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JSC-14567-152
79-10152
DEC 7 1978
CR 157887

Ref: 642-7299
Contract NAS 9-15200
Job Order 73-705

(E79-10152) EVALUATION OF LACIE PHASE 3 YIELD MODELS, DETAILED DATA (Lockheed Electronics Co.) 178 p HC A09/MF A01	N79-18415
CSCCL 02C	Unclas
63/43	00152

TECHNICAL MEMORANDUM

EVALUATION OF LACIE PHASE III YIELD MODELS —
DETAILED DATA

By

M. H. Trenchard and D. E. Phinney

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and Evaluation Department

1. Report No. JSC-14567		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Evaluation of LACIE Phase III Yield Models — Detailed Data				5. Report Date December 1978	
				6. Performing Organization Code	
7. Author(s) M. H. Trenchard and D. E. Phinney Lockheed Electronics Company, Inc.				8. Performing Organization Report No. LEC-12570	
				10. Work Unit No.	
9. Performing Organization Name and Address Lockheed Electronics Company, Inc. Systems and Services Division 1830 NASA Road 1 Houston, Texas 77058				11. Contract or Grant No. NAS 9-15200	
				13. Type of Report and Period Covered Technical Memorandum	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Lyndon B. Johnson Space Center Houston, Texas 77058 Technical Monitors: J. D. Erickson and V. S. Whitehead				14. Sponsoring Agency Code	
				15. Supplementary Notes	
16. Abstract This memorandum contains a detailed listing of the data supporting the evaluation of yield models during Phase III of the Large Area Crop Inventory Experiment.					
17. Key Words (Suggested by Author(s)) Evaluation Prediction Test Wheat Yield Models			18. Distribution Statement		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 181	22. Price*

*For sale by the National Technical Information Service, Springfield, Virginia 22161

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CODES, ABBREVIATIONS, AND ACRONYMS

ACREAGE	Harvested estimate by SRS
ALL	All wheat, spring and winter wheat in aggregation
BL	Badlands
BU/AC	Bushels per acre
CEA	Center for Climatic and Environmental Assessment
CO	Colorado
CON	Percent of acreage under continuous cultivation practice
CRD	Crop Reporting District
EPE	Edwards Plateau East
EPW	Edwards Plateau West
ERROR	$Y(\text{SRS}) - Y(\text{CCEA})$
ESTY	$Y(\text{KSU})$
FAL	Percent of acreage under fallow cultivation practice
FAS	Foreign Agriculture Service
GP	Great Plains
H	Hectare
H_0	Null hypothesis
IRR	Percent of acreage under irrigated cultivation practice
KS	Kansas
KSU	Kansas State University
LACIE	Large Area Crop Inventory Experiment
MN	Minnesota
MT	Montana
ND	North Dakota

NE	Nebraska
NID	Amount of nitrogen applied under dryland conditions
NIW	Amount of nitrogen applied under irrigated conditions
OK	Oklahoma
PROD	Production
PROD(CCEA)	Production estimate by CCEA = $Y(\text{CCEA}) \times \text{ACREAGE}$
PROD(KSU)	Production estimate by KSU = $Y(\text{KSU}) \times \text{ACREAGE}$
PROD(SRS)	Production estimate by SRS
PSI(Z)	Binomial function of Z; 1 if $Z \leq 0$, 0 if $Z > 0$
Q	Quintal
RMSE	Root mean squared error
RR	Red River
SD	South Dakota
SRS	Statistical Reporting Service
STN	Station
SW	Spring wheat
TLP	Texas Lower Plains
TOP	Texas-Oklahoma Panhandle
USDA	United States Department of Agriculture
USGP	United States Great Plains
VAR	Variance
VYA	Varietal yielding ability
WAC C	Weather and cultural yield component under continuous cultivation practice
WAC F	Weather and cultural yield component under fallow cultivation practice

WAC I	Weather and cultural yield component under irrigated cultivation practice
WAC N	Weather and cultural yield component due to applied nitrogen
WW	Winter wheat
Y(CCEA)	Crop yield as estimated by models of the CCEA
Y(KSU)	Crop yield as estimated by the Feyerherm wheat yield models of KSU
YR	Year or crop year
Y(SRS)	Crop yield as estimated by the SRS of the USDA from harvested acreage and production estimates
Z	Random variable of the LACIE 90/90 criteria

INTRODUCTION

This report contains a detailed listing of the data supporting the evaluation of yield models during Phase III of the Large Area Crop Inventory Experiment (LACIE).

Models were developed for seven countries by the National Oceanic and Atmospheric Administration's Center for Climatological and Environmental Assessment (CCEA). Subregions within each country were modeled individually. A research model was developed at Kansas State University (KSU) based on experimental plot yields. This model was tested for the U.S. Great Plains (USGP) at the Crop Reporting District (CRD) level.

Tables in this report contain yearly predicted yields as well as actual yields and acreages for each model region. Aggregated values for the KSU model up to the CCEA model regions in the United States are given. Results are also presented for the aggregated results for all models in each country.

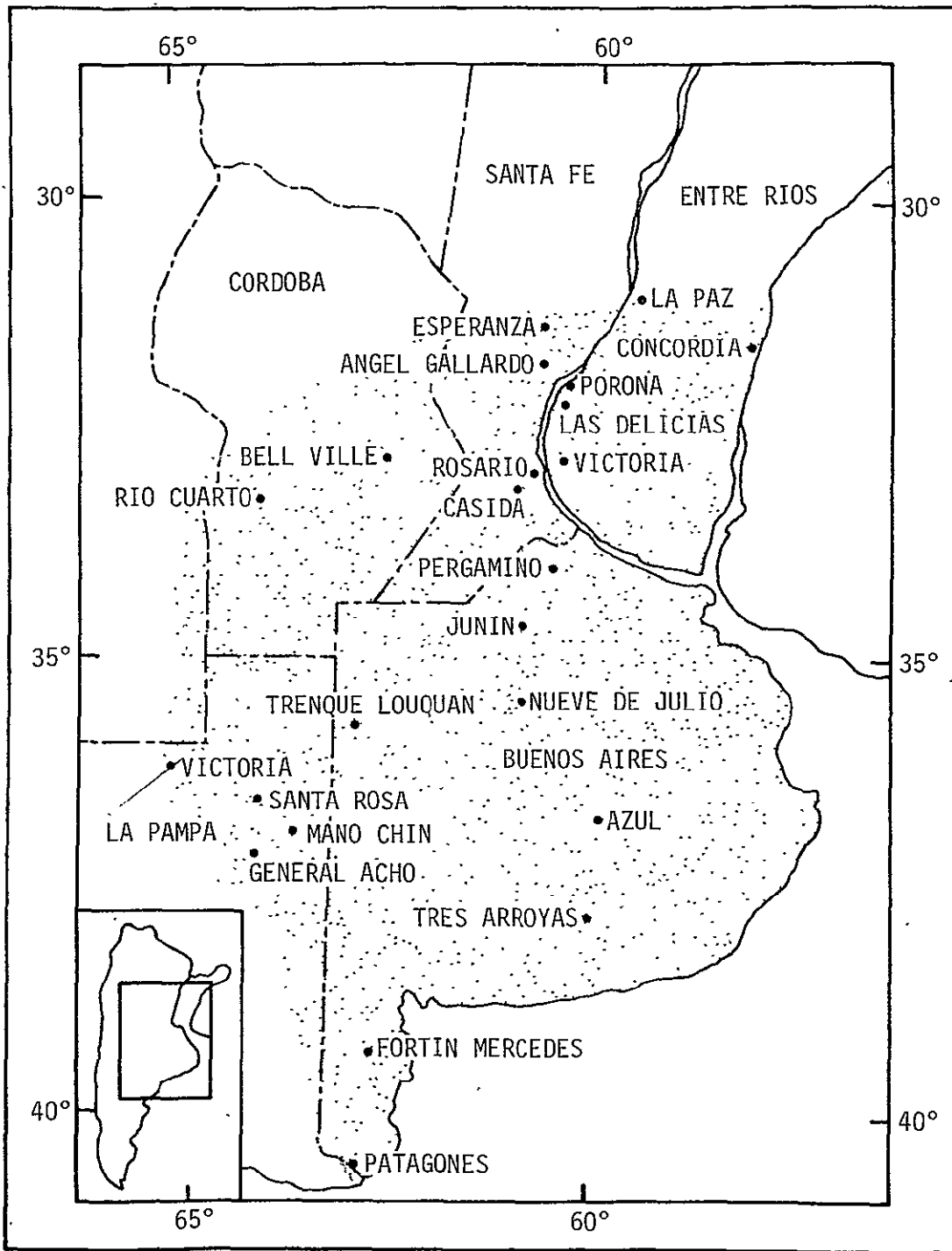


Figure 1.— Map of the five major wheat growing provinces of Argentina.

TABLE 1.— TEST RESULTS OF A 10-YEAR BOOTSTRAP FOR THE ARGENTINA MODELS

(a) Aggregation

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
64				286987	326946	328489	16786	0
65				347016	408602	413734	32513	0
66				213766	224871	223365	-4742	1
67				267714	227334	229538	24227	0
68				285018	264371	268964	1792	0
69				258010	208887	210909	34281	0
70				284829	254965	257941	11731	0
71						180779		
72						208704		
73						253532		
						H ₀ : REJECT		1/7

(b) Buenos Aires

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
64	21.4	27.0	5.6	169590	214583	328489	26220	0
65	23.9	28.8	4.9	195774	235307	413734	17470	0
66	21.0	21.8	0.8	146857	152486	223365	-7421	1
67	22.4	20.1	-2.3	166417	148959	229538	4383	0
68	22.0	20.9	-1.1	187777	177840	268964	-5528	1
69	21.2	15.8	-5.4	169524	126398	210909	31581	0
70	23.1	22.4	-0.7	184865	179405	257941	-9751	1
71	21.7	19.4	-2.3			180779		
72	22.3	19.9	-2.4			208704		
73	21.4	26.5	5.1			253532		
BIAS:	0.22	BU/AC				H ₀ : REJECT		3/7
RMSE:	3.59	BU/AC						

TABLE 1.— Continued.

(c) Entre Rios

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
64	18.0	17.5	-0.5	13068	12677	328489	-4172	1
65	14.8	19.0	4.2	11428	14624	413734	-2304	1
66	16.2	19.3	3.1	11733	13963	223365	-1719	1
67	14.0	15.6	1.6	11278	12566	229538	-2510	1
68	12.5	11.4	-1.1	7141	6504	268964	-2320	1
69	18.2	16.9	-1.3	16046	14881	210909	-2796	1
70	20.1	14.8	-5.3	10947	8069	257941	-348	1
71	17.7	20.7	3.0			180779		
72	14.8	16.1	1.3			208704		
73	16.7	15.2	-1.5			253532		
BIAS:	0.35	BU/AC				H ₀ :	ACCEPT	7/7
RMSE:	2.72	BU/AC						

(d) Santa Fe

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
64	25.2	19.1	-6.1	51758	39206	328489	4528	0
65	22.3	30.5	8.2	48034	65661	413734	5972	0
66	17.3	20.3	3.0	27115	31783	223365	-1290	1
67	21.6	15.6	-6.0	37351	27007	229538	4777	0
68	18.1	17.4	-0.7	30717	29468	268964	-5046	1
69	16.6	14.2	-2.4	27068	23148	210909	-1021	1
70	22.6	20.4	-2.2	24376	21995	257941	-2945	1
71	18.7	25.4	6.7			180779		
72	28.3	22.8	5.5			208704		
73	25.8	24.2	-1.6			253532		
BIAS:	-0.66	BU/AC				H ₀ :	REJECT	4/7
RMSE:	4.88	BU/AC						

TABLE 1.— Concluded .

(e) Cordoba

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
64	16.6	14.9	-1.7	29882	26823	328489	-3578	1
65	27.8	26.8	-1.0	70480	67877	413734	-9247	1
66	15.8	15.1	-0.7	22457	21495	223365	-3938	1
67	21.8	14.1	-7.7	37481	24288	229538	7913	0
68	17.4	15.4	-2.0	31335	27668	268964	-2433	1
69	14.1	11.8	-2.3	27409	22781	210909	-273	1
70	21.5	17.6	-3.9	28662	23461	257941	-300	1
71	12.3	16.3	4.0			180779		
72	16.0	19.5	3.5			208704		
73	19.3	22.1	2.8			253532		
BIAS: -0.90 BU/AC						Ho: ACCEPT		6/7
RMSE: 3.53 BU/AC								

(f) La Pampa

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
64	15.9	24.1	8.2	22689	33657	328489	3533	0
65	16.2	19.1	2.9	21300	25133	413734	-3377	1
66	10.0	9.2	-0.8	5604	5144	223365	-1937	1
67	14.0	13.4	-0.6	15187	14514	229538	-3408	1
68	18.7	15.3	-3.4	28048	22891	268964	-391	1
69	10.4	12.6	2.2	17963	21679	210909	-1065	1
70	21.7	13.3	-8.4	35979	22035	257941	8613	0
71	18.7	10.5	-8.2			180779		
72	18.4	13.0	-5.4			208704		
73	17.9	16.8	-1.1			253532		
BIAS: -1.46 BU/AC						Ho: REJECT		5/7
RMSE: 5.11 BU/AC								

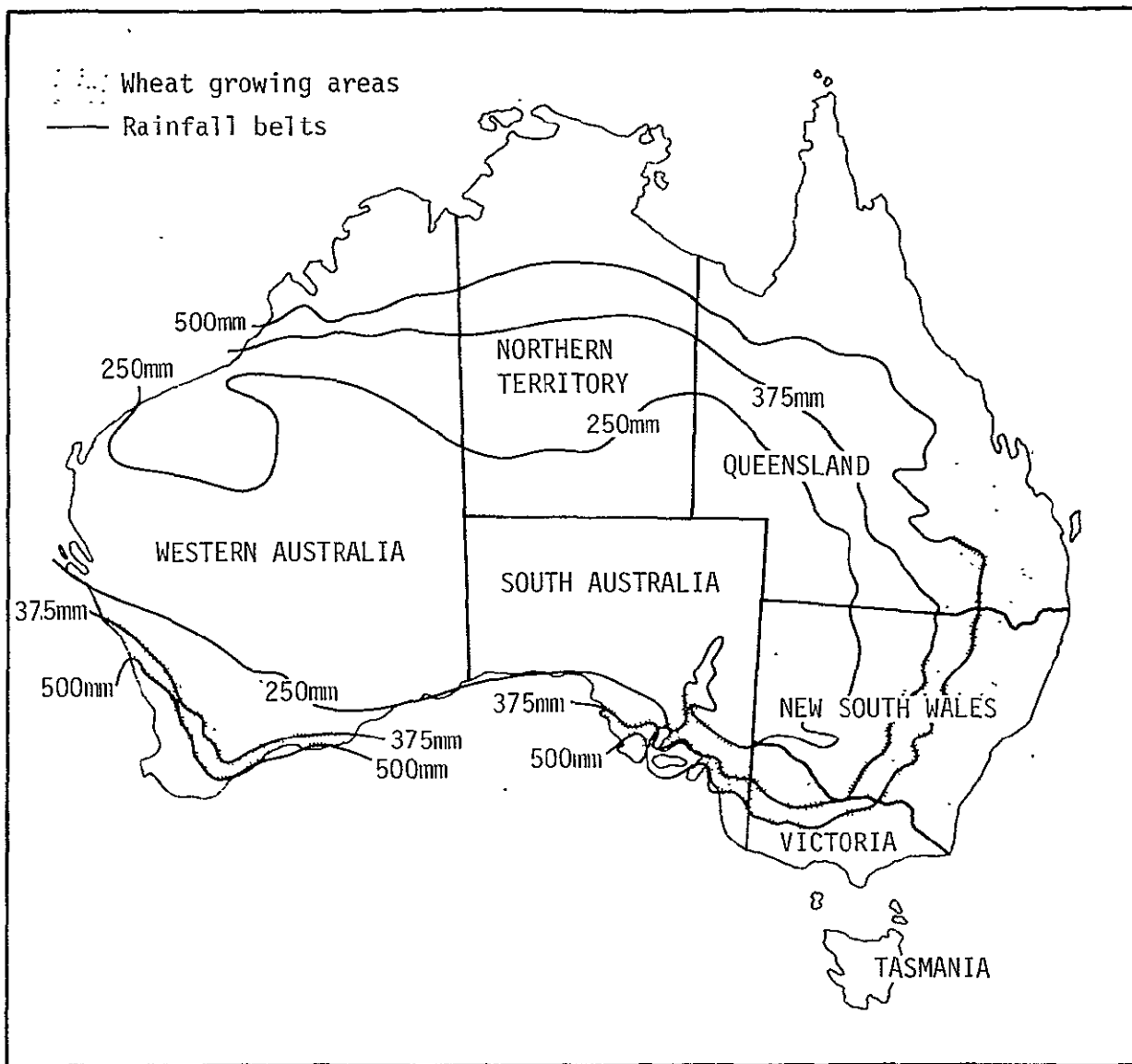


Figure 2.— Map of the wheat growing areas of Australia.

TABLE 2.— TEST RESULTS OF A 10-YEAR BOOTSTRAP FOR THE AUSTRALIAN MODELS

(a) Aggregation

YR	Y (FAS)	Y (CCEA)	ERROR	ACREAGE	PROD (FAS)	PROD (CCEA)	Z	PSI (Z)
63	19.9	19.6	0.4	16209547.	322816547.	317095825.	-17102405.	1
64	20.7	19.9	0.8	17572264.	362967452.	349034239.	-11728582.	1
65	14.9	14.3	0.6	17191199.	256016824.	245362679.	-7446242.	1
66	22.4	18.3	4.1	20369290.	455394334.	371993033.	51204926.	0
67	12.3	11.2	1.1	21823269.	267765012.	243759580.	5074448.	0
68	20.2	19.5	0.7	25924573.	524803236.	505698411.	-17998759.	1
69	16.8	17.7	-1.0	22690587.	380289788.	402379139.	-4797133.	1
70	18.5	19.1	-0.6	15521249.	287611193.	296280503.	-11664798.	1
71	17.8	17.0	0.9	17022590.	303691241.	288603150.	-6382876.	1
72	12.7	12.1	0.6	18268986.	231992269.	221689086.	-6098668.	1

RIAS: 0.76 BU/AC

SUM: 8

RMSE: 1.48 RU/AC

ACCEPT 90/90

(b) New South Wales

YR	Y (FAS)	Y (CCEA)	ERROR	ACREAGE	PROD (FAS)	PROD (CCEA)	Z	PSI (Z)
63	24.7	20.3	4.4	4963811.	122472114.	100765363.	-7649000.	0
64	26.3	21.5	4.8	5760090.	151483308.	123841935.	11063241.	0
65	8.5	8.1	0.4	4576686.	39116508.	37071157.	-5029766.	1
66	28.4	18.5	9.9	7135046.	202501000.	131998351.	49032911.	0
67	10.6	7.8	2.8	8214905.	87323000.	64076259.	12435872.	0
68	21.6	20.2	1.4	9961678.	215119000.	201225896.	-9862002.	1
69	18.9	20.3	-1.4	8622652.	162786160.	175039836.	-5337118.	1
70	20.2	20.5	-0.3	5475088.	110604084.	112239304.	-10974569.	1
71	14.8	13.4	1.4	5995438.	88544693.	80338869.	-3387735.	1
72	11.3	8.4	2.9	6469238.	72953253.	54341599.	9413971.	0

RIAS: 2.63 BU/AC

SUM: 5

RMSE: 4.03 BU/AC

REJECT 90/90

TABLE 2.— Continued.

(c) Queensland

YR	Y (FAS)	Y (CCFA)	ERROR	ACREAGE	PROD (FAS)	PROD (CCFA)	Z	PSI (7)
63	25.5	24.4	1.1	694000.	17730945.	16933600.	-4551539.	1
64	25.0	23.0	2.0	698042.	17430405.	16054966.	-4248064.	1
65	22.0	17.3	4.7	645820.	14176833.	11172686.	-1255202.	1
66	31.7	29.4	2.3	789327.	24986568.	23206214.	-5761297.	1
67	20.0	20.8	0.1	873234.	18250882.	18163267.	-4854789.	1
68	25.0	25.9	-0.9	935299.	23346465.	24224244.	-6948011.	1
69	10.5	17.0	-6.5	771771.	8101184.	13120107.	1094725.	0
70	6.9	2.8	4.1	350086.	2427393.	980241.	-420914.	1
71	23.2	24.5	-1.3	770785.	17855936.	18884233.	-4177975.	1
72	14.7	19.5	-4.8	653198.	9593249.	12737361.	-191219.	1

BIAS: 0.07 BU/AC

SUM: 9

RMSE: 3.42 BU/AC

ACCEPT 90/90

(d) Victoria

YR	Y (FAS)	Y (CCFA)	ERROR	ACREAGE	PROD (FAS)	PROD (CCFA)	Z	PSI (7)
63	24.5	22.7	1.8	3109044.	76302219.	70575299.	-5369064.	1
64	24.2	23.7	0.5	3236039.	78165690.	76694124.	-10437050.	1
65	10.7	18.6	1.1	3074103.	60591349.	57178316.	-5392566.	1
66	22.6	20.0	2.6	3138029.	70896266.	62760580.	-4567856.	1
67	8.8	12.7	-3.9	3223880.	28317203.	40943276.	6469749.	0
68	22.8	24.4	-1.6	3984084.	90727726.	97211650.	-8943294.	1
69	25.3	25.5	-0.2	3298254.	83543852.	84105477.	-12040214.	1
70	19.6	26.8	-7.2	1879044.	36901274.	50358379.	6173558.	0
71	25.7	21.1	4.6	2570312.	66038722.	54233583.	1792817.	0
72	17.1	15.0	2.1	2686963.	45904015.	40304445.	-1696373.	1

BIAS: -0.02 BU/AC

SUM: 7

RMSE: 3.26 BU/AC

REJECT 90/90

TABLE 2.— Concluded.

(e) Western Australia

YR	Y (FAS)	Y (CCEA)	ERROR	ACREAGE	PROD (FAS)	PROD (CCEA)	Z	PSI (Z)
63	11.3	15.2	-3.9	4640434.	52340000.	70534597.	9004627.	0
64	12.2	17.4	-5.2	5151267.	63071000.	89632046.	15863897.	0
65	16.6	14.9	1.7	6149727.	102156000.	91630932.	-908599.	1
66	16.3	16.2	0.1	6346613.	103195000.	102815131.	-14946613.	1
67	16.1	13.4	2.7	6647095.	106975000.	89071073.	5938246.	0
68	15.4	14.3	1.1	7295094.	112450000.	104319844.	-9044867.	1
69	9.8	9.9	-0.1	6788177.	66700000.	67202952.	-10757079.	1
70	18.6	16.9	1.7	5834513.	108650000.	98603270.	-2451172.	1
71	15.8	15.9	-0.1	5045608.	79556000.	80225167.	-10320181.	1
72	12.2	13.8	-1.6	6022967.	73596713.	83116945.	282075.	0

BIAS: -0.36 BU/AC

SUM: 6

RMSE: 2.43 BU/AC

REJECT 90/90

(f) South Australia

YR	Y (FAS)	Y (CCEA)	ERROR	ACREAGE	PROD (FAS)	PROD (CCEA)	Z	PSI (Z)
63	19.3	20.8	-1.5	2802258.	53971269.	58286966.	-5016385.	1
64	19.4	15.7	3.7	2726826.	52817049.	42811168.	216837.	0
65	14.6	17.6	-3.0	2744863.	39976134.	48309589.	1181018.	0
66	18.2	17.3	0.9	2960275.	53815500.	51212757.	-8465199.	1
67	9.4	11.0	-1.6	2864155.	26898927.	31505705.	-1393395.	1
68	22.2	21.0	1.2	3748418.	83160045.	78716778.	-10326545.	1
69	18.4	19.6	-1.2	3209733.	59158592.	62910767.	-6852213.	1
70	14.6	17.2	-2.6	1982518.	29028442.	34099310.	-1389156.	1
71	19.6	20.8	-1.2	2640447.	51695890.	54921298.	-5633160.	1
72	12.3	12.8	-0.5	2436620.	29945039.	31188736.	-4649060.	1

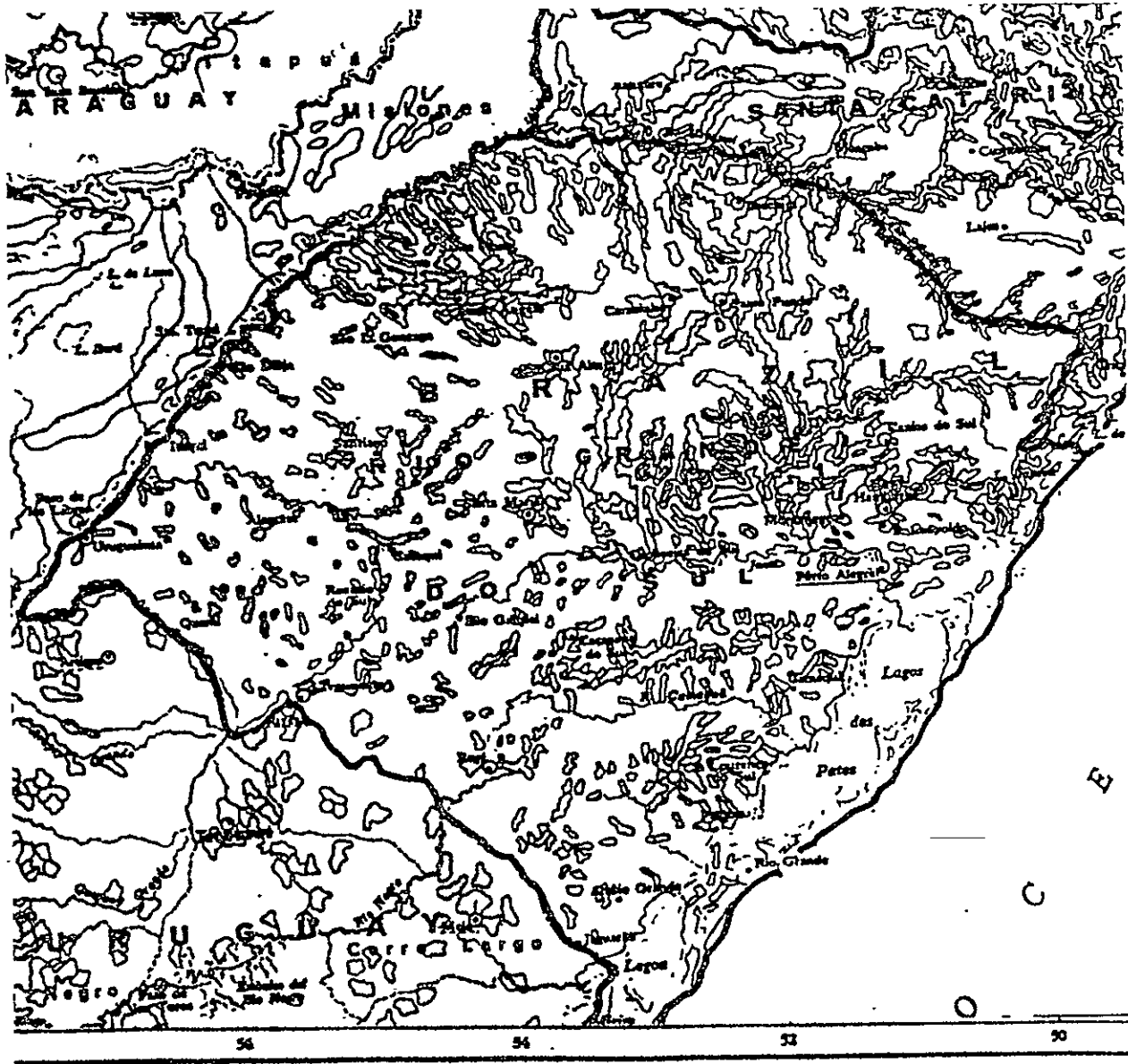
BIAS: -0.59 BU/AC

SUM: 8

RMSE: 1.99 BU/AC

ACCEPT 90/90

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Figure 3.— Map of the wheat growing state of Brazil, Rio Grande do Sul.

TABLE 3.— TEST RESULTS OF A 10-YEAR JACKKNIFE FOR THE BRAZILIAN MODEL
OF THE RIO GRANDE DO SUL

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)	
63	3.9	4.7*	+0.8	85.4	103.6	115.7	+10	0	
64	11.0	8.3	-2.7	299.1	225.7	250.5	+57	0	
65	6.	7.3	0.4	224.1	237.0	256.7	-5	1	
66	6.	8.6	1.7	237.0	296.0	333.5	+37	0	
67	8.2	7.0	-1.2	399.9	339.6	405.7	-26	1	
68	9.1	9.0	-0.1	627.1	618.7	765.0	-40	1	
69	10.0	10.4	0.4	1044.7	1090.1	1303.4	-39	1	
70	10.9	10.8	-0.1	1727.0	1706.7	1946.0	-109	1	
71	10.8	10.6	-0.2	1944.0	1900.0	2214.4	-101	1	
72	9.3	10.5	1.2	1953.0	2200.0	2622.5	+77	0	
BIAS: +0.02 Q/H = 0.03 BU/AC							H ₀ : REJECT	SUM	6
RMSE: 1.19 Q/H = 1.17 BU/AC									

Yield in Q/H

Production in thousand metric tons

*Calculated (3.7 is cited)



Figure 4.— Map of the prairie provinces of Canada with wheat model divisions.

TABLE 4.— TEST RESULTS OF A 9-YEAR BOOTSTRAP FOR THE
CANADIAN PRAIRIE PROVINCES MODELS

(a) Aggregation

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67				15150.5	15603.5	16137	-669	1
68				16712.5	17140.9	17688	-803	1
69				16355.9	17849.4	18267	217	0
70				7878.6	8504.7	9024	7	0
71				13617.6	13880.9	14412	-737	1
72				13115.8	13962.7	14514	-160	1
73				16235.2	15922.8	16159	-822	1
74				13457.8	12656.6	13295	-116	1
75				16070.4	16325.4	17078	-926	1
Production in thousands of metric tons							H ₀ : ACCEPT	SUM 7

(b) Alberta 1

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	12.5	14.8	+2.3	2281	2700	16137	-48	1
68	16.0	18.5	+2.5	2795	3231	17688	-99	1
69	17.9	18.5	+0.6	2616	2702	18267	-411	1
70	16.5	18.5	+2.0	1219	1368	9024	-99	1
71	17.9	17.0	-0.9	1797	1707	14412	-261	1
72	18.5	18.4	-0.1	2305	2288	14514	-390	1
73	17.8	17.4	-0.4	2582	2517	16159	-386	1
74	16.9	16.4	-0.5	2297	2224	13295	-311	1
75	16.9	20.2	+0.3	2390	2860	17078	-24	1
BIAS: 0.98 Q/H = 1.46 BU/AC							H ₀ : ACCEPT	SUM 9
RMSE: 1.76 Q/H = 2.62 BU/AC								

TABLE 4.— Continued.

(c) Alberta 2

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	16.5	17.5	1.0	948	1008	16137	-225	1
68	18.1	14.0	-4.1	1091	843	17688	-25	1
69	15.0	17.6	2.6	750	882	18267	-152	1
70	19.3	20.0	0.7	456	472	9024	-130	1
71	21.6	20.3	-1.3	582	548	14412	-165	1
72	17.7	19.1	1.4	603	650	14514	-170	1
73	20.2	20.2	0.0	782	784	16159	-250	1
74	18.0	16.5	-1.5	478	438	13295	-131	1
75	19.1	20.2	1.1	608	642	17078	-200	1
BIAS: -0.01 Q/H = -0.02 BU/AC							H ₀ : ACCEPT	SUM 9
RMSE: 1.89 Q/H = 2.81 BU/AC								

(d) Alberta 3

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	12.0	11.9	-0.1	220	219	16137	-133	1
68	16.3	17.2	0.9	432	455	17688	-178	1
69	11.9	12.9	1.0	219	237	18267	-129	1
70	16.2	15.4	-0.8	125	119	9024	-67	1
71	15.3	18.5	3.2	183	222	14412	-87	1
72	15.9	17.8	1.9	245	274	14514	-112	1
73	15.8	16.4	0.6	230	238	16159	-131	1
74	11.4	15.3	3.9	85	114	13295	-58	1
75	14.4	19.5	5.1	127	172	17078	-76	1
BIAS: 1.74 Q/H = 2.59 BU/AC							H ₀ : ACCEPT	SUM 9
RMSE: 2.54 Q/H = 3.78 BU/AC								

TABLE 4.— Continued.

(e) Saskatchewan 1

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	12.1	12.2	0.1	772	778	16137	-245	1
68	14.3	11.1	-3.2	888	688	17688	-47	1
69	18.8	20.1	1.3	1030	1101	18267	-246	1
70	16.0	14.5	-1.5	356	323	9024	-88	1
71	19.2	19.1	-0.1	900	897	14412	-251	1
72	17.3	15.2	-2.1	736	648	14514	-129	1
73	17.9	16.8	-1.1	910	856	16159	-209	1
74	15.5	14.7	-0.8	672	637	13295	-171	1
75	20.1	16.0	-4.1	945	753	17078	-62	1
BIAS: -1.28 Q/H = -1.90 BU/AC						H ₀ : ACCEPT		SUM 9
RMSE: 2.03 Q/H = 3.02 BU/AC								

(f) Saskatchewan 2

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	11.9	10.7	-1.2	1026	923	16137	-170	1
68	11.9	10.6	-1.3	1005	893	17688	-169	1
69	18.3	20.0	1.7	1394	1521	18267	-246	1
70	12.9	17.0	4.1	411	541	9024	-26	1
71	18.0	18.5	0.5	1147	1179	14412	-259	1
72	15.4	16.4	1.0	972	1032	14514	-214	1
73	18.6	17.7	-0.9	1341	1279	16159	-259	1
74	12.8	12.2	-0.6	857	815	13295	-191	1
75	20.1	25.3	5.2	879	1108	17078	-79	1
BIAS: 0.94 Q/H = 1.40 BU/AC						H ₀ : ACCEPT		SUM 9
RMSE: 2.41 Q/H = 3.58 BU/AC								

TABLE 4.— Continued.

(g) Saskatchewan 3

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	8.4	8.6	0.2	1403	1431	16137	-312	1
68	8.5	10.4	1.9	1406	1721	17688	-75	1
69	14.0	18.4	4.4	2197	2889	18267	178	0
70	15.2	17.2	2.0	1571	1778	9024	-76	1
71	13.8	14.8	1.0	1749	1871	14412	-245	1
72	12.4	14.7	2.3	1663	1968	14514	-73	1
73	12.5	13.5	1.0	1835	1982	16159	-253	1
74	13.0	12.6	-0.4	1831	1778	13295	-291	1
75	16.8	16.7	-0.1	2419	2401	17078	-435	1
BIAS: 1.37 Q/H = 2.04 BU/AC							H ₀ : ACCEPT	SUM 8
RMSE: 1.96 Q/H = 2.91 BU/AC								

(h) Saskatchewan 4

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	10.0	8.5	-1.5	454	388	16137	-111	1
68	10.0	12.8	2.8	442	566	17688	-100	1
69	10.8	12.3	1.5	473	540	18267	-155	1
70	12.6	16.4	1.8	413	538	9024	-31	1
71	12.3	13.3	1.0	427	461	14412	-148	1
72	10.3	14.1	3.8	389	531	14514	-54	1
73	11.0	11.4	0.4	448	465	16159	-177	1
74	11.7	14.2	4.5	464	564	13295	-94	1
75	17.5	17.5	0.0	703	702	17078	-244	1
BIAS: 1.59 Q/H = 2.36 BU/AC							H ₀ : ACCEPT	SUM 9
RMSE: 2.32 Q/H = 3.45 BU/AC								

TABLE 4.— Continued.

(i) Saskatchewan 5

YR	Y(FAS)	Y(CCEA)	ERROR	PROD.	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	13.6	12.4	-1.2	1352	1232	16137	-195	1
68	17.0	14.8	-2.2	1677	1464	17688	-147	1
69	19.0	20.3	1.3	1602	1711	18267	-286	1
70	17.7	17.9	0.2	539	544	9024	-152	1
71	20.6	20.3	-0.3	1343	1322	14412	-288	1
72	16.4	17.2	0.8	1091	1144	14514	-235	1
73	19.8	18.5	-1.3	1549	1444	16159	-237	1
74	17.8	13.6	-4.2	1184	907	13295	31	0
75	21.2	17.6	-3.8	1553	1287	17078	-66	1
BIAS:	-1.17	Q/H = -1.74	BU/AC				H ₀ : ACCEPT	SUM 8
RMSE:	2.14	Q/H = 3.18	BU/AC					

(j) Saskatchewan 6

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	11.0	10.8	-0.2	1387	1367	16137	-312	1
68	12.6	14.9	2.3	1504	1775	17688	-125	1
69	16.3	17.8	1.5	1641	1795	18267	-251	1
70	18.1	18.0	0.1	787	782	9024	-183	1
71	19.8	19.7	-0.1	1469	1463	14412	-319	1
72	11.9	14.9	3.0	965	1209	14514	-52	1
73	15.9	15.9	0.0	1463	1461	16159	-342	1
74	16.8	14.0	-2.8	1466	1224	13295	-43	1
75	17.0	16.5	-0.5	1522	1474	17078	-307	1
BIAS:	0.34	Q/H = -0.51	BU/AC				H ₀ : ACCEPT	SUM 9
RMSE:	1.66	Q/H = 2.47	BU/AC					

TABLE 4.— Continued.

(k) Saskatchewan 7

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	11.8	14.2	2.4	1049	1261	16137	-107	1
68	12.1	13.9	1.8	977	1124	17688	-168	1
69	15.1	17.1	2.0	1002	1137	18267	-187	1
70	19.9	21.5	1.6	548	592	9024	-119	1
71	20.8	18.7	-2.1	1077	971	14412	-159	1
72	16.2	16.3	0.1	998	1004	14514	-264	1
73	14.4	16.5	2.1	1031	1181	16159	-159	1
74	16.7	16.9	0.2	1106	1120	13295	-259	1
75	19.3	19.1	-0.2	1343	1330	17078	-324	1
BIAS: 0.88 Q/H = 1.31 BU/AC							H ₀ : ACCEPT	SUM 9
RMSE: 1.65 Q/H = 2.45 BU/AC								

(l) Saskatchewan 8

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	15.1	13.9	-1.2	901	827	16137	-184	1
68	18.7	18.5	-0.2	1072	1059	17688	-293	1
69	18.0	18.3	0.3	786	800	18267	-256	1
70	19.0	18.7	-0.3	301	295	9024	-109	1
71	21.6	20.7	-0.9	640	614	14412	-184	1
72	17.1	18.7	1.6	646	707	14514	-166	1
73	21.9	17.9	-4.0	946	773	16159	-77	1
74	15.2	15.5	0.3	566	578	13295	-184	1
75	17.0	18.7	1.7	658	722	17078	-184	1
BIAS: -0.30 Q/H = -0.45 BU/AC							H ₀ : ACCEPT	SUM 9
RMSE: 1.63 Q/H = 2.42 BU/AC								

TABLE 4.— Continued:

(m) Saskatchewan 9

YR	Y(FAS)	Y(CCEA)	ERROR	PROD.	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	19.5	17.2	-2.3	1160	1020	16137	-147	1
68	16.0	15.0	-1.0	905	846	17688	-215	1
69	18.2	17.6	-0.6	822	793	18267	-240	1
70	18.7	19.7	1.0	305	322	9024	-104	1
71	21.2	20.3	-0.9	639	612	14412	-183	1
72	12.6	14.9	2.3	531	629	14514	-116	1
73	19.6	17.4	-2.2	862	766	16159	-153	1
74	17.3	16.8	-0.5	669	652	13295	-191	1
75	16.5	18.9	2.4	660	756	17078	-158	1
BIAS: -0.20 Q/H = -0.30 BU/AC						H ₀ : ACCEPT		SUM 9
RMSE: 1.65 Q/H = 2.45 BU/AC								

(n) Manitoba 1

YR	Y(FAS)	Y(CCEA)	ERROR	PROD.	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67.	15.1	18.0	2.9	658	786	16137	-124	1
68	15.8	18.2	2.4	637	735	17688	-157	1
69	16.2	12.2	-4.0	464	350	18267	-65	1
70	12.3	12.6	0.3	247	253	9024	-101	1
71	15.2	19.2	4.0	535	677	14412	-79	1
72	17.4	17.9	0.5	613	630	14514	-197	1
73	15.4	16.9	1.5	618	677	16159	-175	1
74	13.8	13.0	-0.8	538	506	13295	-151	1
75	15.1	12.8	-2.3	689	586	17078	-121	1
BIAS: 0.50 Q/H = 0.74 BU/AC						H ₀ : ACCEPT		SUM 9
RMSE: 2.47 Q/H = 3.67 BU/AC								

TABLE 4.— Continued.

(o) Manitoba 2

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	16.2	17.5	1.3	571	617	16137	-177	1
68	19.9	19.6	-0.3	667	658	17688	-232	1
69	19.1	17.7	-1.4	469	435	18267	-165	1
70	16.9	15.6	-1.3	237	219	9024	-81	1
71	15.8	19.9	4.1	373	471	14412	-86	1
72	20.5	18.7	-1.8	485	443	14514	-137	1
73	19.6	17.7	-1.9	552	499	16159	-148	1
74	17.3	14.4	-2.9	449	373	13295	-81	1
75	19.8	19.4	-0.4	555	543	17978	-203	1
BIAS:	-0.51 Q/H	= -0.76 BU/AC					H ₀ : ACCEPT	SUM 9
RMSE:	2.05 Q/H	3.05 BU/AC						

(p) Manitoba 3

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	14.4	15.6	1.2	599	648	16137	-180	1
68	18.5	16.5	-2.0	750	667	17688	-160	1
69	18.3	20.0	1.7	544	595	18267	-182	1
70	16.3	15.8	-0.5	250	241	9024	-95	1
71	18.0	20.1	2.1	495	551	14412	-143	1
72	19.7	17.2	-2.5	576	503	14514	-118	1
73	20.1	17.7	-2.4	706	621	16159	-139	1
74	17.3	15.5	-1.8	541	485	13295	-124	1
75	19.9	20.2	0.3	622	630	17078	-224	1
BIAS:	-0.43 Q/H	= -0.64 BU/AC					H ₀ : ACCEPT	SUM 9
RMSE:	1.77 Q/H	= 2.63 BU/AC						

TABLE 4.— Concluded.

(q) Manitoba 4

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
67	16.8	18.1	1.3	371	399	16137	-151	1
68	20.0	17.9	-3.1	465	416	17688	-143	1
69	19.1	19.8	0.7	349	363	18267	-168	1
70	16.0	16.2	0.2	116	117	9024	-72	1
71	16.7	20.1	3.4	262	316	14412	-97	1
72	17.5	17.7	0.2	300	303	14514	-145	1
73	17.3	17.3	0.0	381	381	16159	-175	1
74	14.8	14.1	-0.7	253	242	13295	-116	1
75	19.3	17.4	-1.9	396	357	17078	-136	1
BIAS:	0.12	Q/H = 0.18	BU/AC				H ₀ : ACCEPT	SUM 9
RMSE:	1.58	Q/H = 2.35	BU/AC					



Figure 5.— Map of the wheat growing state of Madhya Pradesh, India.

TABLE 5.— TEST RESULTS OF A 10-YEAR JACKKNIFE FOR THE MADHYA PREDESH MODEL

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
66	5.4	5.5	0.1	1426	1453*	10394	-248	1
67	5.8	4.8	-1.0	1235	1031	11393	-38	1
68	7.8	7.1	-0.7	2076	1882	16540	-201	1
69	5.6	6.6	1.0	1711	2008	18651	-136	1
70	6.8*	7.0	0.2	2159	2216	20093	-415	1
71	7.4	7.6	0.2	2518	2592	23832	-482	1
72	8.0	8.7	0.7	2932	3189	26410	-392	1
73	7.9	7.0	-0.9	2589	2285	24735	-228	1
74	7.9	7.8	-0.1	2553	2539	21778	-512	1
75	8.4	8.4	0.0	2433	2433	24235	-543	1
BIAS: -0.05 Q/H = -0.07 BU/AC							H ₀ : ACCEPT	SUM 10
RMSE: 0.62 Q/H = 0.93 BU/AC								

Yield in Q/H

Production in thousands of metric tons

*Based on a mean acreage

Handwritten notes:
 1. 100% yield
 2. 100% yield

TABLE 6.— TEST RESULTS OF A 10-YEAR JACKKNIFE FOR THE U.S.S.R. MODELS

(a) Aggregation

YEAR	Winter			Spring			All		
	Y(FAS)	Y(CCEA)	ERROR	Y(FAS)	Y(CCEA)	ERROR	Y(FAS)	Y(CCEA)	ERROR
58				8.9	8.5	0.3	8.9	8.5	0.3
59				9.1	7.4	1.7	9.1	7.4	1.7
60				9.0	7.5	1.5	9.0	7.5	1.5
61	10.8	10.8	0.0	7.1	6.6	0.5	7.1	6.6	0.5
62	18.6	18.6	0.0	10.0	9.5	0.5	14.8	14.6	0.2
63	14.0	16.2	-2.2	6.1	6.0	0.1	8.5	8.9	-0.4
64	14.5	15.7	-1.2	10.4	11.7	-1.4	11.8	13.2	-1.3
65	16.1	16.9	-0.8	5.5	7.6	-2.2	8.5	10.3	-1.8
66	20.4	21.4	-1.0	12.0	11.3	0.7	14.4	14.2	0.2
67	17.8	18.0	-0.1	8.9	9.6	-0.7	11.5	12.1	-0.5
68	18.3	18.3	-0.1	12.2	12.1	0.0	13.9	13.9	0.0
69	18.9	19.2	-0.4	10.7	12.3	-1.6	13.5	14.7	-1.1
70	22.8	22.1	0.7	13.5	13.2	0.2	17.4	17.0	0.4
71	23.0	22.1	0.9	11.8	11.9	-0.1	15.4	15.2	0.2
72	21.6	21.2	0.3	14.7	12.1	2.6	17.0	15.1	1.9
73	24.6	22.9	1.6	12.5	11.4	1.1	18.6	17.2	1.4
74	10.2	11.4	-1.2	12.2	8.5	3.7	11.3	9.8	1.6
BIAS			-.23			.42			.28 Q/H
RMSE			.98			1.49			1.09 Q/H
			-0.34			0.62			0.42 BU/AC
			1.46			2.22			1.62 BU/AC

TABLE 6.— Continued.
 (b) Baltics winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	14.5	13.2	-1.3	409	371	74399	-333	1
65	15.2	18.1	2.9	507	604	59686	-328	1
66	17.3	10.5	-6.8	327	199	100499	-188	1
67	18.3	18.4	0.1	434	437	77419	-408	1
68	16.9	18.4	1.5	444	482	93393	-436	1
69	18.5	23.1	4.6	505	632	79917	-376	1
70	20.5	23.0	2.5	524	588	99734	-477	1
71	23.9	25.1	1.2	689	724	98760	-563	1
72	25.1	24.5	-0.6	718	700	85993	-531	1
73	25.8	28.2	2.4	696	761	109784	-581	1
74						83913		
BIAS:	0.65						H ₀ :	ACCEPT SUM 10
RMSE:	3.06	Q/H						

(c) Belorussia winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	11.3	9.8	-1.5	165	142	74399	-207	1
65	11.8	13.8	2.0	202	237	59686	-231	1
66	16.1	10.7	-5.4	235	156	100499	-201	1
67	15.3	15.9	0.6	335	349	77419	-354	1
68	13.7	14.7	1.0	491	526	93393	-461	1
69	17.2	16.4	-0.8	840	801	79917	-527	1
70	18.3	17.9	-0.4	799	783	99734	-609	1
71	21.0	21.8	0.8	888	922	98760	-641	1
72	21.4	19.7	-1.7	729	671	85993	-479	1
73	22.0	23.4	1.4	663	705	109784	-580	1
74						83913		
BIAS:	-0.40						H ₀ :	ACCEPT SUM 10
RMSE:	2.08	Q/H						

TABLE 6.— Continued.

(d) Western Ukraine winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	16.1	16.0	-0.1	1822	1811	74399	-810	1
65	21.3	23.1	1.8	2623	2848	59686	-697	1
66	23.4	22.6	-0.8	2305	2229	100499	-982	1
67	22.9	26.4	3.5	2829	3257	77419	-695	1
68	23.5	22.1	-1.4	2505	2360	93393	-905	1
69	23.0	22.1	-0.9	2339	2244	79917	-852	1
70	25.6	23.5	-2.1	2815	2588	99734	-909	1
71	25.7	28.2	2.5	2868	3151	98760	-964	1
72	26.4	28.1	1.7	2998	3188	85993	-981	1
73	29.0	25.8	-3.2	3493	3104	109784	-916	1
74						83913		
BIAS:	0.10						H ₀ : ACCEPT	SUM 10
RMSE:	2.07	Q/H						

(e) Central Ukraine winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	18.2	13.6	-4.6	2123	1584	74399	-229	1
65	23.3	25.9	2.6	4515	5027	59686	-713	1
66	26.4	25.8	-0.6	5097	4982	100499	-1467	1
67	21.7	22.5	0.8	4294	4454	77419	-1153	1
68	21.3	19.1	-2.2	3815	3423	93393	-872	1
69	24.7	26.3	1.6	5006	5337	79917	-1129	1
70	30.7	22.3	-8.4	4211	3057	99734	-81	1
71	28.1	31.5	3.4	5474	6143	98760	-1073	1
72	26.0	28.4	2.4	4116	4501	85993	-1006	1
73	30.7	31.7	1.0	6356	6572	109784	-1683	1
74						83913		
BIAS:	-0.40						H ₀ : ACCEPT	SUM 10
RMSE:	3.54							

TABLE 6.— Continued.

(f) Northeastern Ukraine winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	18.1	15.3	-2.8	1740	1470	74399	-469	1
65	23.1	20.1	-3.0	2214	1927	59686	-471	1
66	26.8	25.2	-1.1	3295	3097	100499	-1049	1
67	20.5	21.2	0.7	1850	1909	77419	-801	1
68	20.6	21.6	1.0	2094	2201	93393	-907	1
69	24.6	23.1	-1.5	1967	1850	79917	-743	1
70	29.1	24.8	-4.3	2373	2023	99734	-654	1
71	28.3	31.6	3.3	3349	3741	98760	-967	1
72	24.1	22.8	-1.3	1095	1038	85993	-611	1
73	31.7	34.1	3.4	3201	3443	109784	-1133	1
74						83913		
BIAS:	-0.71							
RMSE:	2.45	Q/H						
							H ₀ : ACCEPT	SUM 10

(g) Eastern Ukraine winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63	19.6	11.6	-8.0	1474	871	49688	138	0
64	15.5	20.7	5.2	2796	3735	74399	-240	1
65	18.2	15.5	-2.7	2603	2223	59686	-434	1
66	29.2	23.6	-5.6	4087	3309	100499	-511	1
67	18.2	21.8	3.6	2553	3054	77419	-586	1
68	21.7	21.4	-0.3	2287	2252	93393	-990	1
69	19.9	19.6	-0.3	2033	2001	79917	-862	1
70	29.0	26.8	-2.2	3476	3212	99734	-1002	1
71	27.5	27.7	0.2	3302	3320	98760	-1262	1
72	21.7	17.3	-4.4	1280	1019	85993	-401	1
73						109784		
74						83913		
BIAS:	-1.45							
RMSE:	4.09	Q/H						
							H ₀ : ACCEPT	SUM 9

TABLE 6.— Continued.

(h) Southern Ukraine winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63	18.1	14.5	-3.6	2799	2246	49688	-194	1
64	16.5	17.3	0.8	1912	1999	74399	-775	1
65	20.7	20.1	-0.6	3701	3586	59686	-919	1
66	26.8	25.6	-1.2	5458	5204	100499	-1363	1
67	21.0	23.6	2.6	3934	4427	77419	-816	1
68	23.2	19.5	-3.7	3539	2976	93393	-616	1
69	23.8	23.5	-0.3	4980	4928	79917	-1351	1
70	27.9	31.1	3.2	4114	4591	99734	-1096	1
71	27.5	29.7	2.2	5119	5533	98760	-1239	1
72	21.6	24.4	2.8	2982	3375	85993	-712	1
73						109784		
74						83913		
BIAS:	0.22						H ₀ : ACCEPT	SUM 10
RMSE:	2.43	Q/H						

(i) Krasnodar Kray winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66438		
62						70778		
63	26.1	27.6	1.5	3110	3291	49688	-723	1
64	21.6	21.2	-0.4	2815	2768	74399	-968	1
65	25.4	25.6	0.2	3612	3648	59686	-1007	1
66	32.2	29.5	-2.7	4585	4200	100499	-1068	1
67	27.0	25.7	-1.3	3966	3777	77419	-1020	1
68	30.6	30.1	-0.5	4355	4284	93393	-1343	1
69	25.9	22.0	-3.9	2062	1750	79917	-524	1
70	33.2	36.6	3.4	5100	5622	99734	-1152	1
71	32.8	37.2	4.4	4872	5519	98760	-1004	1
72	27.1	25.3	-1.8	3252	3030	85993	-919	1
73						109784		
74						83913		
BIAS:	-0.11						H ₀ : ACCEPT	SUM 10
RMSE:	2.47	Q/H						

TABLE 6.— Continued.

(j) Moldavia winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	6.4	9.2	2.8	147	210	74399	-216	1
65	25.2	26.3	1.1	1048	1092	59686	-527	1
66	25.3	20.3	-5.0	894	716	100499	-422	1
67	29.6	19.0	-10.6	1084	695	77419	-130	1
68	20.9	13.4	-7.5	509	326	93393	-207	1
69	18.6	24.2	5.6	635	827	79917	-383	1
70	31.1	24.6	-6.5	896	710	99734	-409	1
71	29.4	28.2	-1.2	758	726	98760	-567	1
72	29.4	33.1	3.7	745	839	85993	-507	1
73	28.1	38.8	10.7	758	1047	109784	-469	1
74						83913		
BIAS:	-0.69						H0: ACCEPT	SUM 10
RMSE:	6.37	Q/H						

(k) Caucasus winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	18.5	19.6	1.1	7473	7913	70778	-1233	1
63	14.8	14.1	-0.7	5697	5419	49688	-882	1
64	17.0	12.0	-5.0	7048	4970	74399	718	0
65	13.6	10.6	-3.0	4991	3886	59686	28	0
66	19.8	19.9	0.1	7253	7303	100499	-1866	1
67	17.0	14.2	-2.8	5989	4985	77419	-385	1
68	16.4	17.1	0.7	5677	5914	93393	-1425	1
69	16.0	11.9	-4.1	2957	2192	79917	-171	1
70	18.9	21.2	2.3	6511	7311	99734	-1109	1
71	18.8	20.8	2.0	6481	7155	98760	-1206	1
72						85993		
73						109784		
74						83913		
BIAS:	-0.94						H0: ACCEPT	SUM 8
RMSE:	2.65	Q/H						

TABLE 6.--Continued.

(1) Western black soil zone winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	17.0	14.0	-3.0	1279	1057	70778	-390	1
63	11.5	7.5	-4.0	670	435	49688	-99	1
64	14.3	12.3	-2.0	907	779	74399	-410	1
65	15.2	15.6	0.4	925	947	59686	-510	1
66	18.6	19.3	0.7	1444	1500	100499	-812	1
67	15.8	15.3	-0.5	1109	1071	77419	-606	1
68	17.8	17.8	0.0	1110	1112	93393	-719	1
69	13.9	20.4	6.5	104	153	79917	-198	1
70	20.2	24.1	3.9	951	1133	99734	-570	1
71	22.4	21.3	-1.1	1624	1545	98760	-794	1
72		16.7				85993		
73		27.7				109784		
74						83913		
BIAS:	0.09						H ₀ : ACCEPT	SUM 10
RMSE:	2.98	Q/H						

(m) Eastern black soil zone winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	21.6	18.4	-2.2	2607	2221	70778	-501	1
63	11.6	7.8	-3.8	602	403	49688	-117	1
64	12.8	16.0	3.2	1256	1570	74399	-450	1
65	17.6	15.9	-1.7	1599	1446	59686	-504	1
66	19.5	19.2	-0.3	2104	2072	100499	-988	1
67	15.6	13.6	-2.0	1608	1404	77419	-533	1
68	18.9	18.6	-0.3	2054	2019	93393	-936	1
69	14.5	17.9	3.4	27	33	79917	-109	1
70	19.9	24.8	4.9	1751	2180	99734	-614	1
71	23.4	16.4	-7.0	2844	1990	98760	-137	1
72		17.2				85993		
73						109784		
74						83913		
BIAS:	-0.68						H ₀ : ACCEPT	SUM 10
RMSE:	3.56	Q/H						

TABLE 6.— Continued.

(n) Central region winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	10.0	7.8	-2.2	908	709	74399	-315	1
65	8.1	12.1	4.0	744	1108	59686	-211	1
66	12.5	11.5	-1.0	1051	978	100499	-628	1
67	12.7	12.5	-0.2	1207	1184	77419	-654	1
68	15.3	14.0	-1.3	1564	1433	93393	-687	1
69	15.2	16.4	1.2	1227	1326	79917	-629	1
70	16.0	16.1	0.1	1726	1732	99734	-923	1
71	15.5	15.1	-0.4	1678	1633	98760	-853	1
72	18.2	15.7	-2.5	1314	1135	85993	-520	1
73	16.6	21.4	4.8	1096	1412	109784	-564	1
74						83913		
BIAS:	0.25						H ₀ : ACCEPT	SUM 10
RMSE:	2.33	Q/H						

(o) Volga-Vyatsk winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	9.9	8.0	-1.9	187	151	74399	-201	1
65	16.3	13.2	-3.1	304	247	59686	-214	1
66	11.1	9.2	-1.9	238	198	100499	-275	1
67	10.1	11.9	1.8	232	273	77419	-284	1
68	11.6	14.2	2.6	262	320	93393	-329	1
69	16.8	17.4	0.6	255	264	79917	-316	1
70	15.9	19.1	3.2	371	444	99734	-398	1
71	15.2	12.6	-2.6	472	392	98760	-360	1
72	15.3	13.8	-1.5	405	365	85993	-365	1
73	13.8	14.0	0.2	244	248	109784	-365	1
74						83913		
BIAS:	-0.26						H ₀ : ACCEPT	SUM 10
RMSE:	2.16	Q/H						

TABLE 6.— Continued.

(p) Upper Volga winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	12.7	16.0	3.3	46	58	70778	-131	1
63	11.5	9.2	-2.3	84	67	49688	-112	1
64	7.4	9.8	2.4	88	116	74399	-180	1
65	10.5	12.0	1.5	115	131	59686	-182	1
66	14.9	11.0	-3.9	103	76	100499	-168	1
67	11.8	12.0	0.2	104	106	77419	-201	1
68	15.1	16.4	1.3	209	227	93393	-308	1
69	19.2	19.2	0.0	133	133	79917	-231	1
70	17.5	20.3	2.8	257	298	99734	-344	1
71	20.4	17.1	-3.3	545	456	98760	-386	1
72						85993		
73						109784		
74						83913		
BIAS:	0.20						H ₀ : ACCEPT	SUM 10
RMSE:	2.45	Q/H						

(q) Middle Volga winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	16.7	18.4	1.7	480	527	70778	-385	1
63	7.1	7.6	0.5	378	403	49688	-291	1
64	9.2	9.4	0.2	499	512	74399	-423	1
65	12.8	11.0	-1.8	601	517	59686	-309	1
66	15.5	12.7	-2.8	551	453	100499	-379	1
67	12.2	14.4	2.2	455	537	77419	-374	1
68	18.0	18.7	0.7	865	901	93393	-613	1
69	20.3	18.8	-1.5	97	90	79917	-183	1
70	19.4	24.7	5.3	953	1212	99734	-518	1
71	11.7	13.7	2.0	984	1154	98760	-585	1
72						85993		
73						109784		
74						83913		
BIAS:	0.65						H ₀ : ACCEPT	SUM 10
RMSE:	2.32	Q/H						

TABLE 6.— Continued.

(r) Lower Volga winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	17.4	19.0	1.6	1482	1615	70778	-623	1
63	12.8	5.0	-7.8	650	256	49688	142	0
64	12.9	11.9	-1.0	673	623	74399	-431	1
65	14.2	11.3	-2.9	814	646	59686	-271	1
66	21.5	17.4	-4.1	662	536	100499	-393	1
67	12.6	13.1	0.5	721	749	77419	-510	1
68	17.0	17.8	0.8	740	775	93393	-567	1
69	14.9	9.6	-5.3	27	17	79917	-72	1
70	18.8	24.8	6.0	1020	1347	99734	-493	1
71	15.3	16.0	0.7	1129	1181	98760	-712	1
72						85993		
73						109784		
74						83913		
BIAS:	-1.15							
RMSE:	3.94	Q/H						
						H ₀ : ACCEPT	SUM 9	

(s) Transcaucasus winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64						74399		
65	12.1	10.0	-2.1	865	717	59686	-315	1
66	12.1	12.4	0.3	935	959	100499	-670	1
67	12.5	12.4	-0.1	953	942	77419	-593	1
68	9.4	12.1	2.7	686	883	93393	-445	1
69	11.9	10.6	-1.3	785	702	79917	-447	1
70	14.2	13.1	-1.1	919	851	99734	-583	1
71	14.9	13.7	-1.2	865	797	98760	-559	1
72	15.2	15.0	-0.2	958	945	85993	-624	1
73	14.5	16.8	2.3	908	1053	109784	-615	1
74	14.7	15.9	1.2	898	969	83913	-567	1
BIAS:	0.05							
RMSE:	1.51	Q/H						
						H ₀ : ACCEPT	SUM 10	

TABLE 6.—Continued.

(t) Southern Kazakhstan winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64						74399		
65	6.8	4.2	-2.6	550	337	59686	-104	1
66	8.8	13.1	4.3	746	1112	100499	-382	1
67	10.8	9.3	-1.5	915	789	77419	-427	1
68	8.8	12.3	3.5	759	1060	93393	-403	1
69	6.7	12.1	5.4	551	999	79917	-184	1
70	10.5	13.9	3.4	953	1263	99734	-484	1
71	11.6	11.6	0.0	1092	1094	98760	-733	1
72	12.5	13.8	1.3	1307	1446	85993	-649	1
73	11.8	14.7	2.9	1354	1686	109784	-630	1
74	10.7	7.8	-2.9	1349	984	83913	-278	1
BIAS:	1.38							
RMSE:	3.15	Q/H						
							H ₀ : ACCEPT	SUM 10

(u) Central Asia winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64						74399		
65	7.1	5.5	-1.6	713	556	59686	-250	1
66	7.9	8.7	0.8	849	933	100499	-601	1
67	8.1	7.4	-0.7	710	648	77419	-439	1
68	6.5	9.9	3.4	713	1084	93393	-340	1
69	11.4	8.7	-2.7	1116	855	79917	-323	1
70	9.3	9.9	0.6	965	1024	99734	-656	1
71	10.6	8.4	-2.2	885	698	98760	-400	1
72	11.0	10.8	-0.2	964	975	85993	-636	1
73	10.6	12.1	1.5	886	1014	109784	-618	1
74	10.0	9.7	-0.3	804	784	83913	-554	1
BIAS:	-0.14							
RMSE:	1.74	Q/H						
							H ₀ : ACCEPT	SUM 10

TABLE 6.— Continued.

(v) Northwest Asia winter wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61	10.2	10.6	0.4	13	13	66483	-66	1
62	9.6	8.0	-1.6	18	15	70778	-70	1
63	9.7	10.3	0.6	22	24	49688	-75	1
64	10.5	9.7	-0.8	54	50	74399	-132	1
65	8.8	10.4	1.6	56	66	59686	-130	1
66						100499		
67	12.2	13.1	0.9	55	59	77419	-147	1
68	11.0	9.5	-1.5	48	42	93393	-134	1
69	12.4	12.5	0.1	63	63	79917	-159	1
70	13.6	12.9	-0.7	84	80	99734	-196	1
71	13.4	13.7	0.3	103	105	98760	-226	1
72						85993		
73						109784		
74						83913		
BIAS:	-0.07							
RMSE:	1.00	Q/H						
						H ₀ :	ACCEPT	SUM 10

(w) Northeastern Caucasus spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63	10.4	6.3	-4.1	64	39	49688	-73	1
64	10.1	13.3	3.2	65	85	74399	-158	1
65	9.0	7.4	-1.6	522	430	59686	-266	1
66	13.4	13.8	0.4	825	851	100499	-628	1
67	8.9	10.2	1.3	264	303	77419	-303	1
68	8.5	8.3	-0.2	223	218	93393	-314	1
69	7.7	6.1	-1.6	278	219	79917	-237	1
70	11.9	17.3	5.4	124	145	99734	-248	1
71	10.1	10.3	0.2	142	148	98760	-264	1
72	11.1	7.9	3.2	208	171	85993	-234	1
73						109784		
74						83913		
BIAS:	-0.02							
RMSE:	2.71	Q/H						
						H ₀ :	ACCEPT	SUM 10

TABLE 6.— Continued.

(x) Western black soil zone spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	12.5	9.7	-2.8	131	101	70778	-159	1
63	10.2	8.2	-2.0	67	54	49688	-103	1
64	15.5	12.3	-3.2	196	155	74399	-199	1
65	13.8	13.1	-0.7	303	286	59686	-275	1
66	14.4	13.5	-0.9	321	300	100499	-367	1
67	15.6	15.5	-0.1	383	381	77419	-382	1
68	15.9	16.7	0.8	464	489	93393	-453	1
69	18.0	23.1	5.1	855	1099	79917	-419	1
70	18.6	18.0	-0.6	702	679	99734	-559	1
71	17.9	16.7	-1.2	524	487	98760	-453	1
72						85993		
73						109784		
74						83913		
BIAS:	-0.56						H ₀ : ACCEPT	SUM 10
RMSE:	2.28	Q/H						

(y) Eastern black soil zone spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	12.1	11.4	-1.0	179	169	70778	-235	1
63	10.5	11.6	-1.1	86	95	49688	-145	1
64	14.1	12.7	-1.4	177	160	74399	-227	1
65	16.2	11.9	-4.3	608	446	59686	-203	1
66	12.8	13.5	0.7	513	542	100499	-493	1
67	14.7	14.4	-0.3	520	510	77419	-434	1
68	17.0	15.6	1.4	653	599	93393	-475	1
69	16.9	21.1	4.2	1418	1767	79917	-491	1
70	19.6	17.7	-1.9	1106	1001	99734	-602	1
71	16.7	12.6	-4.1	616	465	98760	-328	1
72						85993		
73						109784		
74						83913		
BIAS:	-0.81						H ₀ : ACCEPT	SUM 10
RMSE:	2.50	Q/H						

TABLE 6.— Continued.
(z) Central region spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	3.1	6.7	4.6	134	291	74399	-172	1
65	7.1	10.1	3.0	249	353	59686	-221	1
66	10.4	8.5	-1.9	433	356	100499	-346	1
67	13.3	13.3	0.0	594	550	77419	-417	1
68	12.1	12.4	0.3	467	479	93393	-461	1
69	14.1	17.6	3.5	835	1044	79917	-437	1
70	15.8	14.5	-1.3	751	690	99734	-526	1
71	14.2	15.2	1.0	867	927	98760	-617	1
72	10.4	12.9	2.5	631	783	85993	-428	1
73	18.3	18.2	-0.1	953	948	109784	-716	1
74						83913		
BIAS:	1.06						H ₀ : ACCEPT	SUM 10
RMSE:	2.16	Q/H						

(aa) Volga-Vyatsk spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	8.7	7.4	-1.3	695	589	74399	-362	1
65	15.2	7.2	-8.0	1141	537	59686	204	0
66	9.1	7.1	-2.0	670	525	100499	-369	1
67	10.6	10.4	-0.2	728	715	77419	-513	1
68	12.0	12.1	0.1	718	726	93393	-574	1
69	15.0	15.9	0.9	1056	1120	79917	-605	1
70	9.3	13.6	4.3	538	788	99734	-377	1
71	14.2	13.3	-0.9	776	727	98760	-550	1
72	15.3	11.1	-4.2	790	571	85993	-276	1
73	12.7	18.2	5.5	772	1109	109784	-443	1
74						83913		
BIAS:	-0.58						H ₀ : ACCEPT	SUM 9
RMSE:	3.71	Q/H						

TABLE 6.— Continued.

(bb) Upper Volga spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	12.4	11.1	-1.3	1572	1411	70778	-546	1
63	10.7	10.1	-0.6	1378	1296	49688	-485	1
64	10.1	10.2	0.1	1379	1388	74399	-710	1
65	11.5	9.7	-1.8	1623	1365	59686	-380	1
66	12.2	11.1	-1.1	1746	1588	100499	-735	1
67	14.9	15.7	0.8	2036	2147	77419	-801	1
68	16.8	15.9	-0.9	2328	2209	93393	-897	1
69	17.7	19.0	1.3	2774	2983	79917	-883	1
70	14.0	16.8	2.8	1907	2289	99734	-686	1
71	17.0	15.4	-2.6	2034	1839	98760	-758	1
72						85993		
73						109784		
74						83913		
BIAS:	-0.23							
RMSE:	1.42	Q/H						
							H ₀ : ACCEPT	SUM 10

(cc) Middle Volga spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	8.6	10.5	1.9	2873	3510	70778	-478	1
63	9.0	10.9	1.9	2530	3061	49688	-341	1
64	11.6	10.6	-1.0	3713	3384	74399	-793	1
65	8.3	7.1	-1.2	2813	2406	59686	-440	1
66	12.3	9.3	-3.0	4785	3613	100499	-175	1
67	8.9	9.2	0.3	3534	3635	77419	-1085	1
68	11.7	13.8	2.1	4301	5061	93393	-777	1
69	11.9	9.4	-2.5	4820	3822	79917	-238	1
70	11.7	13.6	1.9	4076	4727	99734	-884	1
71	12.0	10.7	-1.3	3741	3342	98760	-886	1
72		7.5				85993		
73						109784		
74						83913		
BIAS:	-0.09							
RMSE:	1.86	Q/H						
							H ₀ : ACCEPT	SUM 10

TABLE 6.— Continued.

(dd) Lower Volga spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63	7.0	5.5	-1.5	882	696	49688	-230	1
64	10.3	12.6	2.3	1394	1669	74399	-513	1
65	9.5	7.8	-1.7	1573	1296	59686	-345	1
66	9.6	11.4	1.8	1943	2299	100499	-719	1
67	7.7	9.6	1.9	1278	1598	77419	-466	1
68	8.4	10.8	2.4	1457	1866	93393	-524	1
69	7.9	5.7	-2.2	1475	1055	79917	-229	1
70	11.4	15.3	3.9	1670	2241	99734	-486	1
71	9.7	8.6	-1.1	1169	1039	98760	-586	1
72	8.1	2.1	-6.0	1387	354	85993	643	1
73						109784		
74						83913		
BIAS:	-0.02						H ₀ : ACCEPT	SUM 9
RMSE:	2.83	Q/H						

(ee) Northwestern Urals spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	9.5	7.5	-2.0	472	373	74399	-273	1
65	5.8	6.0	0.2	285	295	59686	-287	1
66	8.7	8.9	0.2	451	461	100499	-471	1
67	8.9	10.6	1.7	401	478	77419	-353	1
68	8.7	10.1	1.4	367	424	93393	-388	1
69	9.5	8.8	-0.7	397	368	79917	-354	1
70	13.0	11.0	-2.0	528	445	99734	-388	1
71	9.5	12.3	2.8	353	458	98760	-371	1
72	11.0	12.4	1.4	476	539	85993	-418	1
73	11.6	10.1	-1.5	347	301	109784	-360	1
74						83913		
BIAS:	0.15						H ₀ : ACCEPT	SUM 10
RMSE:	1.60	Q/H						

TABLE 6.— Continued.

(ff) Southern Urals spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58	10.6	7.5	-3.1	4331	3064	76568	184	0
59	7.4	9.7	2.3	2957	3883	69101	-232	1
60	6.4	11.1	4.7	2752	4766	64299	+776	0
61	8.6	8.2	-0.4	3623	3471	66483	-922	1
62						70778		
63						49688		
64						74399		
65	8.8	6.7	-2.1	4343	3331	59686	15	0
66	12.6	12.8	0.2	6359	6449	100499	-1710	1
67	11.9	8.9	-3.0	5795	4348	77419	150	0
68	12.9	18.8	5.9	6571	9573	93393	888	0
69						79917		
70						99734		
71	12.7	12.5	-0.2	5849	5760	98760	-1597	1
72						85993		
73						109784		
74						83913		
BIAS:	0.48							
RMSE:	3.08	Q/H						
						H ₀ :	REJECT	SUM 4

(gg) Northeastern Urals spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64	16.0	10.9	-5.1	6905	4690	74399	894	0
65	9.4	7.1	-2.3	3936	2968	59686	27	0
66	14.0	15.8	1.8	5746	6482	100499	-1069	1
67	12.7	15.3	2.6	5030	6078	77419	-486	1
68	17.9	19.1	1.2	7064	7550	93393	-1392	1
69	14.2	13.9	-0.3	5768	5635	79917	-1368	1
70	14.9	15.0	0.1	5641	5669	99734	-1653	1
71	13.8	12.4	-1.4	5103	4580	98760	-981	1
72	17.7	17.2	-0.5	6330	6136	85993	-1430	1
73	13.4	14.2	0.8	4574	4852	109784	-1354	1
74						83913		
BIAS:	-0.31							
RMSE:	2.14	Q/H						
						H ₀ :	ACCEPT	SUM 8

TABLE 6.— Continued.

(hh) Western Kazakhstan spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58	9.5	7.9	-1.6	1609	1336	76568	-442	1
59	4.6	5.0	0.4	741	804	69101	-464	1
60	2.6	7.2	4.6	399	1100	64299	106	0
61	4.4	5.0	0.6	661	756	66438	-406	1
62						70778		
63						49688		
64						74399		
65	6.7	4.0	-2.7	1237	741	59686	26	0
66	7.8	8.6	0.8	1446	1594	100499	-747	1
67	7.7	1.4	-6.3	1363	243	77419	813	0
68	7.5	14.4	6.9	1533	2937	93393	233	0
69						79917		
70						99734		
71	8.9	7.7	-1.2	1532	1322	98760	-598	1
72						85993		
73						109784		
74						83913		
BIAS:	0.17							
RMSE:	3.67	Q/H						
						H ₀ : REJECT	SUM 5	

(ii) Kustanay Oblast spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58	5.2	6.1	+0.9	2156	2537	76568	-605	1
59	6.7	9.3	2.6	2563	3566	69101	-107	1
60	6.3	8.1	1.8	2504	3226	64299	-296	1
61	4.8	5.7	0.9	1798	2142	66483	-500	1
62						70778		
63						49688		
64						74399		
65	7.1	3.9	-3.2	2854	1552	59686	621	0
66	7.9	13.2	5.3	3072	5146	100499	466	0
67	8.5	9.2	0.7	3158	3425	77419	-884	1
68	11.8	8.0	-3.8	4861	3303	93393	316	0
69						79917		
70						99734		
71	8.8	9.3	0.5	2933	3100	98760	-1070	1
72						85993		
73						109784		
74						83913		
BIAS:	0.64							
RMSE:	2.67	Q/H						
						H ₀ : REJECT	SUM 6	

TABLE 6.— Continued.

(jj) Tselinograd Oblast spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58	7.8	11.6	3.8	2853	4247	76568	119	0
59	7.1	10.4	3.3	2486	3658	69101	48	0
60	8.3	7.6	-0.7	2885	2650	64299	-688	1
61	7.0	6.7	-0.3	2358	2244	66483	-750	1
62						70778		
63						49688		
64						74399		
65	7.1	2.0	-5.1	2712	774	59686	1457	0
66	7.5	9.5	2.0	2749	3495	100499	-579	1
67	6.2	5.0	-1.2	2134	1736	77419	-422	1
68	11.2	6.5	-4.7	3961	2282	93393	647	0
69						79917		
70						99734		
71	9.5	9.6	0.1	2071	2093	98760	-995	1
72						85993		
73						109784		
74						83913		
BIAS:	-0.31							
RMSE:	2.97 Q/H							
							H ₀ : REJECT	SUM 5

(kk) Northern Kazakhstan spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58	8.3	9.9	1.6	3354	4019	76568	-575	1
59	9.6	9.6	0.0	3609	3610	69101	-1116	1
60	9.9	10.2	0.3	3816	3932	64299	-1027	1
61	7.2	8.7	1.5	2691	3258	66483	-474	1
62						70778		
63						49688		
64						74399		
65	9.0	3.4	-5.6	3429	1280	59686	1531	0
66	11.8	13.6	1.8	4240	4880	100499	-926	1
67	8.4	8.4	0.0	2844	2834	77419	-1037	1
68	11.5	9.7	-1.8	4036	3405	93393	-630	1
69						79917		
70						99734		
71	12.0	12.0	0.0	3962	3949	98760	-1383	1
72						85993		
73						109784		
74						83913		
BIAS:	-0.24							
RMSE:	2.18 Q/H							
							H ₀ : ACCEPT	SUM 8

TABLE 6.— Continued.

(11) Pavlodar Oblast spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58	12.1	10.8	-1.3	2459	2192	76568	-649	1
59	7.1	7.6	0.5	1390	1485	69101	-642	1
60	10.3	7.7	-2.6	2065	1541	64299	-180	1
61	5.2	6.2	1.0	1049	1258	66483	-438	1
62						70778		
63						49688		
64						74399		
65	5.9	1.3	-4.6	970	207	59686	514	0
66	7.6	7.0	-0.6	1168	1074	100499	-641	1
67	4.6	2.0	-2.6	640	273	77419	42	0
68	7.9	6.2	-1.7	1120	872	93393	-390	1
69						79917		
70						99734		
71	10.7	9.1	-1.6	1014	862	98760	-500	1
72						85993		
73						109784		
74						83913		
BIAS:	-1.50							
RMSE:	2.20	Q/H						
						H ₀ : ACCEPT	SUM 7	

(mm) Western Siberia spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63	2.1	3.5	1.4	1019	1708	49688	38	0
64	11.5	9.9	-1.6	5419	4656	74399	-553	1
65	3.3	4.0	0.7	1510	1831	59686	-418	1
66	13.7	13.9	0.2	6232	6336	100499	-1680	1
67	11.0	7.1	-3.9	4809	3122	77419	588	0
68	13.4	11.4	-2.0	5999	5114	93393	-660	1
69	13.5	7.4	-6.1	6180	3389	79917	1627	0
70	12.8	12.5	-0.3	5693	5556	99734	-1527	1
71	11.1	14.6	3.5	4431	5820	98760	-306	1
72	12.0	16.5	4.5	4524	6230	85993	69	0
73						109784		
74						83913		
BIAS:	-0.36							
RMSE:	3.07	Q/H						
						H ₀ : REJECT	SUM 6	

TABLE 6.— Continued.
 (nn) Altay Kray spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63	1.5	3.2	1.7	641	1370	49688	146	0
64	12.5	9.9	-2.6	5716	4544	74399	-128	1
65	4.8	5.3	0.5	2174	2418	59686	-605	1
66	10.8	12.4	1.6	4617	5311	100499	-940	1
67	9.9	7.1	-2.8	3846	2748	77419	67	0
68	14.7	10.7	-4.0	5928	4303	93393	207	0
69	12.4	9.0	-3.4	5059	3655	79917	196	0
70	13.5	12.3	-1.2	5160	4689	99734	-1058	1
71	14.5	15.5	1.0	5229	5583	98760	-1306	1
72	12.7	20.0	7.3	4526	7119	85993	843	0
73						109784		
74						83913		
BIAS:	-0.19							
RMSE:	3.22	Q/H						
							H ₀ : REJECT	SUM 5

(oo) Southern Kazakhstan spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63	6.1	3.9	-2.2	1605	1026	49688	74	0
64	10.7	14.2	3.5	2897	3833	74339	-258	1
65	6.0	3.4	-2.6	1666	950	59686	184	0
66	12.2	10.0	-2.2	3356	2759	100499	-580	1
67	2.3	5.6	3.3	592	1432	77419	95	0
68	6.7	5.7	-1.0	1777	1523	93393	-589	1
69						79917		
70						99734		
71	9.0	8.1	-0.9	3750	3382	98760	-924	1
72	9.7	14.5	4.8	4052	6070	85993	403	0
73	8.1	9.3	1.2	2633	3019	109784	-901	1
74	8.6	12.4	3.8	2876	4157	83913	-40	1
BIAS:	0.77							
RMSE:	2.83	Q/H						
							H ₀ : REJECT	SUM 6

TABLE 6.— Continued.

(pp) Central Asia spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63						49688		
64						74399		
65	3.7	4.4	0.7	156	188	59686	-205	1
66	5.2	6.1	0.9	142	167	100499	-265	1
67	3.9	5.0	1.1	139	178	77419	-223	1
68	6.4	6.9	0.5	155	167	93393	-267	1
69	6.1	6.6	0.5	170	184	79917	-257	1
70	6.7	6.0	-0.7	149	134	99734	-243	1
71	5.5	5.3	-0.2	82	80	98760	-197	1
72	7.3	8.2	0.9	102	115	85993	-209	1
73	7.1	6.6	-0.5	137	127	109784	-254	1
74	6.6	5.7	-0.9	71	61	83913	-150	1
BIAS:	0.23							
RMSE:	0.74	Q/H						
							H ₀ : ACCEPT	SUM 10

(qq) Eastern Siberia spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62						70778		
63	11.5	9.2	-1.3	4388	3506	49688	-51	1
64	10.6	9.1	-1.5	3830	3303	74399	-581	1
65	10.4	8.9	-1.5	3485	2997	59686	-458	1
66	14.8	14.7	-0.1	4912	4875	100499	-1528	1
67	13.5	13.9	0.4	4339	4462	77419	-1191	1
68	11.6	14.2	2.6	3784	4619	93393	-634	1
69	7.0	8.5	-1.5	2339	2841	79917	-563	1
70	13.3	12.4	-0.9	4478	4175	99734	1140	1
71	14.7	13.8	-0.9	4676	4401	98760	1199	1
72	11.1	13.6	2.5	3376	4139	85993	-571	1
73						109784		
74						83913		
BIAS:	-0.02							
RMSE:	1.64	Q/H						
							H ₀ : ACCEPT	SUM 10

TABLE 6.— Concluded.
(rr) Far East spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	7.9	6.5	-1.4	523	427	70778	-293	1
63	4.4	6.2	1.8	293	413	49688	-200	1
64	8.7	7.5	-1.2	545	469	74399	-342	1
65	6.8	7.2	0.4	378	402	59686	-322	1
66	10.5	8.9	-1.4	594	502	100499	-410	1
67	10.0	11.4	1.4	572	650	77419	-424	1
68	10.1	13.9	3.8	591	811	93393	-395	1
69						79917		
70	10.9	9.2	-1.7	649	548	99734	-422	1
71	11.4	9.8	-1.6	674	577	98760	-437	1
72	11.1	10.6	-0.5	617	589	85993	-475	1
73						109784		
74						83913		
BIAS:	-0.06						H ₀ : ACCEPT	SUM 10
RMSE:	1.77	Q/H						

(ss) Northwestern region spring wheat

YR	Y(FAS)	Y(CCEA)	ERROR	PROD	PROD(CCEA)	PROD(FAS)	Z	PSI(Z)
58						76568		
59						69101		
60						64299		
61						66483		
62	8.0	5.0	-3.0	121	76	70778	-119	1
63	7.7	5.9	-1.8	133	102	49688	-128	1
64	7.6	5.9	-1.7	112	87	74399	-155	1
65	9.3	8.6	-0.7	99	91	59686	-157	1
66	10.6	7.2	-3.4	116	78	100499	-160	1
67	9.8	10.2	0.4	100	104	77419	-197	1
68	5.3	10.4	5.1	41	80	93393	-154	1
69	10.5	11.8	1.3	77	86	79917	-176	1
70	10.0	12.2	2.2	68	82	99734	-188	1
71						98760		
72	11.4	9.8	-1.6	48	41	85993	-126	1
73						109784		
74						83913		
BIAS:	-0.32						H ₀ : ACCEPT	SUM 10
RMSE:	2.50	Q/H						

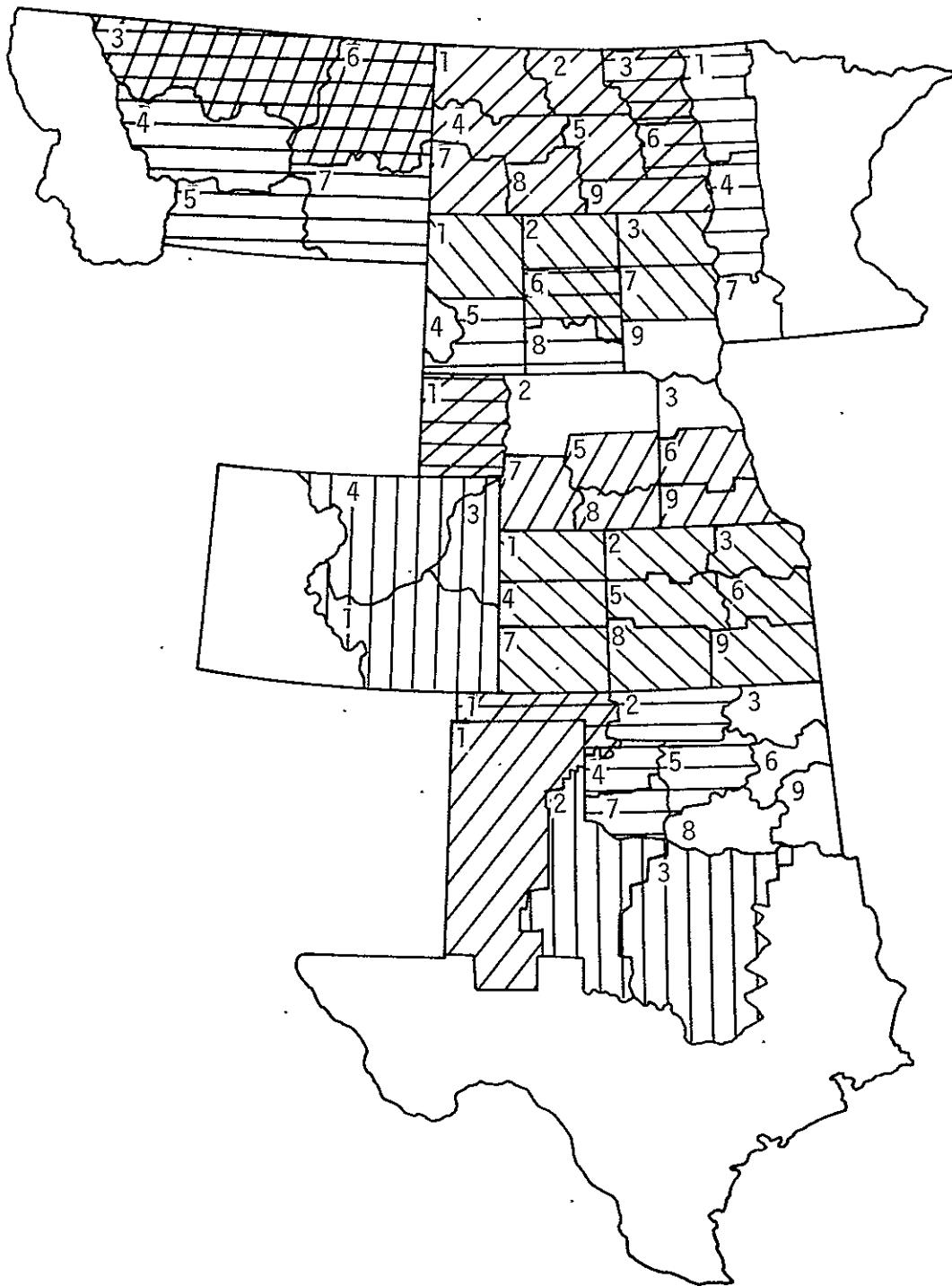


Figure 7.— Map of the USGP wheat model regions for Phases I and II.

TABLE 7.— TEST RESULTS OF A 10-YEAR BOOTSTRAP OF THE USGP PHASE I MODELS

(a) Aggregation

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
65	24.0	23.5	0.6	35072270.	842917150.	823164121.	-39841205.	1
66	22.5	24.9	-2.4	35590610.	800021330.	885839575.	29256745.	0
67	21.5	20.5	1.0	39754720.	854165030.	814111697.	-20336126.	1
68	26.0	24.8	1.2	38509110.	999437770.	955128066.	-26350536.	1
69	24.1	30.5	-2.3	33884000.	953062680.	1032439058.	11994856.	0
70	24.2	28.2	-0.1	31311290.	881593760.	884379522.	-59542908.	1
71	30.8	28.1	2.7	34663250.	1066620450.	974494065.	16716330.	0
72	20.3	29.1	0.1	33383330.	977658560.	972816202.	-64278092.	1
73	30.8	36.7	-5.9	39913960.	1230469290.	1463994948.	146531492.	0
74	23.8	28.4	-4.6	45822300.	1089047800.	1301771660.	135728192.	0

BIAS: -0.98 BU/AC

SUM: 5

RMSF: 2.77 HU/AC

REJECT 90/90

(b) Montana spring wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
65	20.8	22.4	-2.0	1599500.	33286700.	36468600.	-8600703.	1
66	22.1	17.5	4.6	1451900.	32146400.	25408250.	-4599846.	1
67	17.5	18.4	-0.4	1752700.	30647500.	32249680.	-9836812.	1
68	21.3	20.0	1.3	1635000.	34849500.	32700000.	-11045078.	1
69	27.7	25.7	2.0	1217000.	33721000.	31276900.	-10230385.	1
70	23.8	21.4	2.4	1646500.	39240700.	35235100.	-9144286.	1
71	22.8	20.7	2.1	2198000.	50041000.	45498600.	-11791402.	1
72	26.3	26.1	0.2	1742100.	45775900.	45468810.	-14649459.	1
73	20.9	22.8	-1.9	1798900.	37673800.	41014920.	-11880976.	1
74	18.5	21.9	-3.4	1963000.	36302200.	42989700.	-7370039.	1

BIAS: 0.45 BU/AC

SUM: 10

RMSF: 2.40 BU/AC

ACCEPT 90/90

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TABLE 7.— Continued.

(e) South Dakota spring wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
65	17.0	18.4	-0.5	1535670.	27468510.	28256328.	-9970128.	1
66	15.4	17.0	-1.6	1543260.	23701570.	26235420.	-7201660.	1
67	24.4	23.3	1.1	1724340.	42051090.	40177122.	-11525232.	1
68	23.6	21.0	2.6	1604130.	37844440.	33686730.	-9592150.	1
69	20.8	22.3	-1.5	1228300.	25580900.	27391090.	-9229020.	1
70	20.1	20.4	-0.3	1180320.	23695730.	24078528.	-9835737.	1
71	28.5	24.3	4.2	1533050.	43672900.	37253115.	-8839364.	1
72	24.1	24.9	-0.8	1148630.	27732460.	28600887.	-10773025.	1
73	23.0	21.8	1.2	1577560.	36317270.	34390808.	-13019108.	1
74	14.8	19.0	-4.2	2069900.	30682900.	39328100.	-4278624.	1

BIAS: 0.02 BU/AC

SUM: 10

RMSE: 2.24 BU/AC

ACCEPT 90/90

(f) Montana winter wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
65	28.7	27.4	1.3	2200700.	63210700.	60299180.	-13407989.	1
66	29.8	25.3	4.5	2024100.	60335800.	51209730.	-6407013.	1
67	29.6	22.7	6.9	2669200.	78990400.	60590840.	35132.	0
68	31.3	30.8	0.5	2626000.	82062800.	80880800.	-19065453.	1
69	25.4	30.6	-5.2	2197000.	55695000.	67228200.	-4755566.	1
70	26.4	22.6	3.8	1451000.	38238200.	32792600.	-7535226.	1
71	29.6	30.1	-0.5	1733000.	51302500.	52163300.	-15677603.	1
72	26.5	30.6	-4.1	1700000.	45067100.	52020000.	-7887403.	1
73	26.3	28.6	-2.3	2002000.	52599100.	57257200.	-13328285.	1
74	29.4	27.4	2.0	2555000.	75038400.	70007000.	-15179451.	1

BIAS: 0.67 BU/AC

SUM: 9

RMSE: 3.71 BU/AC

ACCEPT 90/90

1 2 3 4 5
6 7 8 9

TABLE 7.— Continued.

(g) Badlands winter wheat

YR	Y(SRS)	Y(CCEA)	FERROR	ACREAGE	PRD(SRS)	PRD(CCEA)	Z	PSI(Z)
65	15.4	17.9	-4.6	912650.	13953230.	18161735.	-3458914.	1
66	32.5	20.1	12.4	1139050.	36979030.	22944905.	1923750.	0
67	29.7	20.5	3.2	1353390.	40495120.	36120535.	-8732651.	1
68	32.3	29.7	2.6	1315660.	42520970.	39075102.	-1128805.	1
69	25.3	25.4	-0.1	1122120.	28365240.	28601842.	-11487660.	1
70	33.3	33.5	-0.2	1021330.	34000420.	34522644.	-11718180.	1
71	37.7	30.7	7.0	1025300.	39794430.	31774470.	-7361699.	1
72	36.0	37.4	-1.4	1246300.	44875600.	46611620.	-13072719.	1
73	29.5	24.7	4.8	1247600.	36810610.	30815720.	-9052287.	1
74	29.1	32.4	-4.3	1393100.	39136300.	45135440.	-8657335.	1

MEAN:	1.89	30/90						SUM: 9
RESE:	5.30	51/90						ACCEPT 90/90

(h) Nebraska winter wheat

YR	Y(SRS)	Y(CCEA)	FERROR	ACREAGE	PRD(SRS)	PRD(CCEA)	Z	PSI(Z)
65	20.0	17.7	2.3	2597370.	54035740.	47743444.	-8796427.	1
66	25.0	25.0	0.0	2964150.	100277060.	75899975.	4352159.	0
67	25.7	15.5	10.2	3286080.	87155240.	60792450.	7811442.	0
68	32.1	31.5	0.6	3123880.	100224730.	98714602.	-20265993.	1
69	31.5	33.8	-2.3	2750800.	86899780.	92426800.	-14545359.	1
70	34.1	35.0	-0.9	2531670.	66392430.	69621112.	-13033191.	1
71	42.1	35.2	6.9	2409000.	101351650.	87235800.	-9009544.	1
72	37.1	37.5	-0.4	2489000.	92234790.	93536400.	-1254371.	1
73	35.0	37.2	-2.2	2660500.	93163470.	95970500.	-12130367.	1
74	34.0	35.2	-1.2	2860000.	97501400.	106953600.	-14585543.	1

MEAN:	2.10	10/90						SUM: 8
RESE:	4.42	51/90						ACCEPT 90/90

TABLE 7.— Continued.

(i) Colorado winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
65	14.4	11.5	2.9	1113000.	16017300.	12799500.	-4997179.	1
66	17.8	24.8	-7.0	2241000.	39785900.	55576800.	3177426.	0
67	18.8	19.5	-0.7	1679000.	31645200.	32740500.	-10528394.	1
68	19.9	19.1	0.8	1733000.	34480600.	33100300.	-11744257.	1
69	21.2	24.2	-3.0	1823000.	38695300.	44116500.	-8155868.	1
70	28.7	25.2	3.5	1975000.	56628500.	49770000.	-8938373.	1
71	28.4	22.4	6.0	1997500.	56629500.	44744000.	-5490334.	1
72	24.1	23.3	0.8	2039000.	49141000.	47508700.	-13864247.	1
73	24.6	30.5	-5.9	2290000.	56254000.	69845000.	-5009792.	1
74	25.9	19.9	6.0	2495000.	64592000.	49650500.	-3809835.	1

BIAS: 0.33 BU/AC

SUM: 9

RMSE: 4.33 BU/AC

ACCEPT 90/90

(j) Kansas winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
65	24.0	23.4	0.6	10151000.	243624000.	237533400.	-25947875.	1
66	14.5	26.6	-7.1	10260000.	200070000.	272916000.	44560678.	0
67	20.0	20.0	0.0	11081000.	221620000.	221620000.	-30760594.	1
68	26.0	24.5	1.5	9751000.	253526000.	238899500.	-20961902.	1
69	31.0	32.0	-1.0	9852000.	305319000.	315264000.	-28192920.	1
70	33.0	30.2	2.8	9061000.	299013000.	273642200.	-10928533.	1
71	34.4	29.2	5.2	9085000.	312105000.	265282000.	6031031.	0
72	33.5	30.0	3.5	9400000.	314900000.	282000000.	-6328282.	1
73	37.0	55.8	-18.8	10400000.	364800000.	580320000.	146871184.	0
74	27.5	35.4	-7.9	11599500.	319000000.	410622300.	49950893.	0

BIAS: -2.13 BU/AC

SUM: 6

RMSE: 7.19 BU/AC

REJECT 90/90

TABLE 7.— Continued.

(k) Oklahoma winter wheat

YR	Y (SRS)	Y (CCFA)	ERROR	ACREAGE	PRD (SRS)	PRD (CCFA)	Z	PSI (Z)
65	27.0	24.5	2.5	4507000.	125025000.	110435200.	-7814028.	1
66	20.0	21.5	-1.5	4450100.	92970100.	97588500.	-14660675.	1
67	16.5	20.5	-3.0	4920000.	31716500.	100850000.	4643066.	0
68	22.7	22.4	0.3	5120500.	117390000.	114600200.	-27525778.	1
69	28.0	28.0	0.0	4139000.	115693000.	115292000.	-3277515.	1
70	25.7	24.5	1.2	3718000.	95837000.	110052800.	-1334547.	1
71	19.5	21.7	-2.2	3437000.	57352000.	74582900.	-1710678.	1
72	22.3	21.5	0.8	3724000.	25081000.	50065000.	-15375064.	1
73	30.0	31.1	-1.1	5102500.	153092000.	129302700.	5525407.	0
74	20.0	25.1	-4.1	5149000.	120778000.	154339400.	-914702.	1

MEAN: -1.09 BU/AC

SUM: 4

STDEV: 3.41 BU/AC

ACCEPT 90/90

(l) Texas-Oklahoma Panhandle winter wheat

YR	Y (SRS)	Y (CCFA)	ERROR	ACREAGE	PRD (SRS)	PRD (CCFA)	Z	PSI (Z)
65	24.0	20.7	3.3	2536700.	52333000.	52509600.	-5352502.	1
66	21.4	19.5	1.9	2625600.	50249400.	51129200.	-447653.	1
67	15.7	23.4	-7.7	2513300.	39385700.	54411220.	547722.	0
68	20.2	22.0	-1.8	2656000.	55156000.	58432000.	-13223447.	1
69	25.0	25.0	0.0	2219700.	5498150.	55492500.	-15254305.	1
70	23.2	22.5	0.7	1875100.	43545000.	42930700.	-13247118.	1
71	21.5	18.5	3.0	1759500.	37510000.	32550700.	-8857228.	1
72	22.7	21.7	1.0	1792000.	41047000.	38903700.	-12012708.	1
73	19.3	30.0	-10.7	3193500.	45253000.	47721100.	-21756226.	1
74	13.3	17.9	-4.6	2801000.	38575000.	50137400.	-2928914.	1

MEAN: -0.35 BU/AC

SUM: 4

STDEV: 3.20 BU/AC

ACCEPT 90/90

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TABLE 7.— Concluded.

(m) Texas lower plains winter wheat.

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
65	17.0	16.6	0.4	1620000.	27462000.	26892000.	-10186671.	1
66	19.7	17.1	1.9	1335000.	25390900.	22828500.	-7514088.	1
67	14.5	17.0	-2.5	1354500.	19801400.	23026500.	-5723061.	1
68	18.9	16.1	3.8	1653000.	32940000.	26613300.	-6501302.	1
69	21.5	17.3	4.2	1219100.	26242150.	21090430.	-6029258.	1
70	22.7	19.5	3.2	915500.	20799000.	17852250.	-6626840.	1
71	13.6	17.1	-3.5	437500.	5943000.	7481250.	-4090697.	1
72	18.6	16.6	2.6	712000.	13215000.	11392000.	-6213122.	1
73	24.9	20.1	4.8	1013300.	25212000.	20367330.	-7607683.	1
74	17.1	17.6	-0.5	1395000.	23875000.	24552000.	-10723254.	1

BIAS:	1.44	BU/AC					SUM: 10	
RMSF:	3.08	BU/AC					ACCEPT 90/90	

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TABLE 8.— TEST RESULTS OF AN 11-YEAR BOOTSTRAP FOR THE USGP PHASE II MODELS

(a) Aggregation

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (7)
65	24.0	24.4	-0.3	36077400.	855581500.	872930258.	-49025712.	1
66	22.5	24.2	-1.7	36537500.	422302900.	543447130.	3007423.	0
67	21.7	22.2	-0.5	40951200.	408354500.	508354234.	-42756920.	1
68	25.0	24.4	1.7	34756300.	1034300200.	508201132.	-7025745.	1
69	29.4	29.3	-0.4	34055200.	984024900.	1021040342.	-37015018.	1
70	24.2	26.4	1.3	32273300.	409424000.	506774575.	-21651436.	1
71	30.0	28.1	2.6	35641500.	1055037500.	1002616250.	15031400.	0
72	24.3	24.1	0.2	34326700.	1005507220.	545544270.	-54047753.	1
73	30.8	24.9	0.8	41017300.	1261404700.	1225250700.	-56037574.	1
74	23.8	27.2	-3.4	47452000.	1130146000.	1242326330.	32279019.	0
75	25.5	27.4	-0.6	50344400.	1351415000.	1301405560.	-4075437.	1

BIAS: -0.08 BU/AC

SUM: 2

RMSE: 1.68 BU/AC

ACCEPT 90/90

(b) Montana spring wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (7)
65	20.9	22.5	-1.6	1411000.	37504000.	40747500.	-9859030.	1
66	22.1	17.2	4.3	1602000.	35404000.	20515600.	-5174764.	1
67	14.1	18.4	-0.7	1927000.	34320000.	35227000.	-11151771.	1
68	21.8	20.2	1.6	1740000.	30213000.	36339500.	-11305085.	1
69	27.5	25.0	2.5	1334000.	35708000.	32350000.	-10113105.	1
70	23.6	21.5	2.1	1835000.	43371000.	30452500.	-10122636.	1
71	23.0	20.8	2.2	2487000.	57201000.	51729500.	-12231070.	1
72	26.4	25.7	0.7	1914000.	50516600.	49170000.	-14608007.	1
73	21.1	22.5	-1.4	1972000.	41594000.	44370000.	-13412290.	1
74	10.0	20.0	-1.0	2207000.	41433000.	46125300.	-11197520.	1
75	25.4	26.5	-0.7	1975000.	50525000.	52337500.	-17134745.	1

BIAS: 0.71 BU/AC

SUM: 11

RMSE: 2.16 BU/AC

ACCEPT 90/90

TABLE 8.— Continued.

(c) North Dakota spring wheat

YR	Y (SRS)	Y (CCFA)	ERROR	ACRFACT	PRD (SRS)	PRD (CCFA)	Z	PST (%)
65	24.4	25.5	-3.9	4555000.	120761000.	145225500.	-3405040.	1
66	22.5	27.5	-5.0	4793000.	167552500.	131617500.	2034200.	0
67	20.1	26.0	0.1	5740000.	115573500.	115573500.	-21570504.	1
68	24.7	23.5	1.2	5745000.	141223000.	135007500.	-20172000.	1
69	25.5	31.7	-3.2	4572000.	141774000.	157512400.	-16646037.	1
70	21.0	22.4	-0.5	4691500.	100559000.	105091840.	-19381202.	1
71	22.4	30.5	-0.2	5355200.	120700400.	151495500.	-26852557.	1
72	27.0	31.2	-4.0	5201500.	145156000.	155227000.	-6244033.	1
73	26.3	25.2	1.2	6067000.	155735500.	155225500.	-2520041.	1
74	19.3	27.3	-6.0	7130000.	137492400.	180591400.	15229706.	0
75	24.0	27.0	-3.0	7617400.	153367600.	192776700.	-9515155.	1

FILES: -2.50 80/90 SUM: 9
 RESE: 3.42 80/90 ACCEPT 90/90

(d) Red River spring wheat

YR	Y (SRS)	Y (CCFA)	ERROR	ACRFACT	PRD (SRS)	PRD (CCFA)	Z	PST (%)
65	24.7	32.7	-2.0	2651300.	700255000.	570041300.	-10554725.	1
66	25.1	31.1	-0.0	2536500.	533012300.	726315000.	-704355.	1
67	30.1	30.6	-0.5	3157000.	551500000.	550250000.	-15100001.	1
68	32.4	29.0	3.4	3205100.	1030525000.	923470000.	-12256900.	1
69	32.3	32.5	-3.2	2555900.	554110300.	503510000.	-12100545.	1
70	27.6	25.0	-2.0	2670400.	735144000.	702714000.	-12510750.	1
71	30.7	35.0	1.7	4157000.	1535790000.	1455730000.	-2100575.	1
72	31.2	34.0	-2.8	3679500.	1170000000.	1273107000.	-13040002.	1
73	33.2	35.4	-1.5	4553900.	1553615000.	1611702000.	-24582532.	1
74	25.7	34.0	-5.3	5732000.	1472676000.	1545000000.	15777413.	0
75	30.5	28.0	1.5	5772000.	1705074000.	1562500000.	-29201206.	1

FILES: -2.94 80/90 SUM: 10
 RESE: 3.46 80/90 ACCEPT 90/90

TABLE 8.— Continued.

(e) South Dakota spring wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
65	17.8	18.3	-0.5	1634000.	29058000.	29402200.	-10375510.	1
66	15.3	17.5	-2.2	1627000.	24831000.	2-472500.	-6451082.	1
67	24.3	22.7	1.6	1896000.	43076000.	40536200.	-10954182.	1
68	23.5	21.2	2.3	1684000.	39572000.	35700000.	-10432113.	1
69	20.2	21.9	-1.1	1277900.	26520000.	27555000.	-6991397.	1
70	20.0	20.4	-0.4	1235000.	24700000.	25104000.	-10102221.	1
71	24.2	24.4	-3.8	1614000.	45555000.	39301500.	-9622046.	1
72	24.1	25.0	-0.9	1207000.	29950000.	30175000.	-10958826.	1
73	23.1	21.3	1.8	1682000.	34748000.	35226000.	-12009122.	1
74	14.0	16.2	-3.3	2125000.	32720000.	30049000.	-6366440.	1
75	14.0	22.0	-4.0	2233000.	40194000.	49126000.	-7545020.	1

BIAS: -0.30 BU/AC

SUM: 11

RMSE: 2.45 BU/AC

ACCEPT 90/90

(f) Montana winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
65	29.0	27.1	1.9	2329000.	57541000.	53115000.	-12680250.	1
66	30.0	25.4	4.6	2143000.	51299000.	54432200.	-6397749.	1
67	30.0	25.9	4.1	2207000.	54210000.	72701300.	-7228533.	1
68	31.5	30.0	0.7	2751000.	66855100.	64730500.	-19241745.	1
69	25.0	30.8	-4.8	2311000.	56000000.	71170000.	-6142133.	1
70	27.0	23.3	3.7	1548000.	41796000.	30050400.	-3056250.	1
71	30.0	30.1	-0.1	1227000.	54510000.	54992700.	-17145039.	1
72	27.0	30.0	-3.6	1790000.	42330000.	54774000.	-9142183.	1
73	26.5	23.6	2.1	2680000.	58120000.	56485000.	-14274372.	1
74	20.0	20.2	-3.3	2650000.	72147600.	69430000.	-12275448.	1
75	35.0	32.5	2.5	3090000.	105600000.	97500000.	-19132291.	1

BIAS: 1.02 BU/AC

SUM: 11

RMSE: 2.37 BU/AC

ACCEPT 90/90

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TABLE 8.—Continued.

(g) Badlands winter wheat

YR	Y (SWS)	Y (CCEA)	DIFFER	ACCEA/ST	PERC (SWS)	PERC (CCEA)	Z	PSI (Z)
65	15.6	20.3	-4.7	1066429.	15671553.	21567329.	-3521227.	1
66	31.5	20.2	11.4	1392359.	41582599.	2742670.	1812722.	0
67	31.1	24.5	6.6	1672270.	51247527.	47606722.	-12746042.	1
68	32.6	24.3	8.3	1558963.	51016376.	46477422.	-11053677.	1
69	25.4	25.7	-0.4	1577229.	34606740.	35334284.	-12501095.	1
70	32.4	33.2	-0.8	1238990.	3669222.	41057735.	-12407251.	1
71	37.9	33.2	4.7	1253000.	47302230.	4722422.	-7352222.	1
72	36.0	37.5	-1.5	1227100.	58042222.	57415222.	-14261222.	1
73	38.1	30.1	8.0	1541222.	4847222.	4832222.	-17044222.	1
74	27.5	31.7	-4.2	1722000.	48472222.	57022222.	-5121222.	1
75	31.5	27.6	3.9	1627100.	5177700.	67521222.	-12332222.	1

MEAN:	1.55	30/40						Sum: 10
DIFF:	2.00	40/40						ACCEA/ST 40/40

(h) Nebraska winter wheat

YR	Y (SWS)	Y (CCEA)	DIFFER	ACCEA/ST	PERC (SWS)	PERC (CCEA)	Z	PSI (Z)
65	21.7	20.4	1.3	2106222.	45673472.	42273222.	-11327103.	1
66	25.2	20.4	4.8	2106222.	70227022.	55622222.	1127037.	1
67	27.6	28.6	-1.0	2483712.	52274222.	62242222.	-13674181.	1
68	27.2	31.5	-4.3	2222040.	75325222.	72222222.	-16942222.	1
69	33.5	33.1	0.4	2347122.	76771222.	77771222.	-17372222.	1
70	32.5	32.5	0.0	1651022.	71721422.	64221222.	-5750712.	1
71	23.2	30.2	-7.0	1734000.	74233772.	72700000.	-1842771.	1
72	37.4	37.2	0.2	1627000.	53161222.	52222222.	-17722210.	1
73	33.6	36.0	-2.4	1304200.	52232222.	50042700.	-12202222.	1
74	36.7	34.2	2.5	2001000.	73272222.	70342222.	-14072222.	1
75	31.7	32.6	-0.9	2123000.	51222222.	50122222.	-12222222.	1

MEAN:	2.56	31/40						Sum: 10
DIFF:	4.23	41/40						ACCEA/ST 40/40

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TABLE 8.—Continued.

(i) Colorado winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
65	14.4	20.5	-6.1	1113000.	16017300.	22416500.	-1530777.	1
66	17.8	24.8	-7.0	2241000.	39785000.	55576800.	3002982.	0
67	18.8	19.7	-0.4	1679000.	31045200.	32236800.	-11252441.	1
68	19.0	14.1	0.8	1733000.	34480600.	33100300.	-11971200.	1
69	21.2	23.4	-2.6	1823000.	38095300.	43387400.	-9138852.	1
70	22.7	25.4	-3.3	1975000.	56027500.	50155000.	-4580774.	1
71	23.4	22.4	6.0	1997500.	50029500.	44744000.	-5728315.	1
72	24.1	23.3	0.8	2039000.	49141000.	47505700.	-14684111.	1
73	24.6	24.2	-4.5	2290000.	56254000.	66888000.	-8219164.	1
74	25.0	19.4	6.5	2495000.	64592000.	48403000.	-2912575.	1
75	22.5	24.0	-1.5	2049000.	47301000.	50376000.	-14900123.	1

BIAS: -0.49 BU/AC

SUM: 10

RMSE: 4.55 BU/AC

ACCEPT 90/90

(j) Kansas winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
65	24.0	24.6	-0.5	10151000.	243024000.	244714600.	-26396358.	1
66	24.5	26.6	-7.1	10250000.	200070000.	272016000.	44169443.	0
67	20.0	20.5	-0.5	11081000.	221620000.	225258600.	-24721575.	1
68	26.0	24.5	1.5	9751000.	253526000.	258899500.	-21577219.	1
69	31.0	31.4	-0.4	9352000.	305314000.	314273800.	-29840992.	1
70	33.0	30.7	2.8	9051000.	290013000.	273642200.	-11497029.	1
71	34.4	29.2	5.2	9085000.	312105000.	255282000.	5472342.	0
72	33.5	30.0	3.5	9400000.	314400000.	302000000.	-6884844.	1
73	37.0	35.4	1.6	10400000.	384800000.	368150000.	-32516563.	1
74	27.5	32.5	-5.0	11599500.	319000000.	376953750.	15533332.	0
75	20.0	32.2	-3.2	12100000.	350900000.	329620000.	-9666165.	1

BIAS: -0.20 BU/AC

SUM: 8

RMSE: 3.72 BU/AC

ACCEPT 90/90

TABLE 8.— Continued.

(k) Oklahoma winter wheat

YR	Y (SRS)	Y (CCFA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCFA)	Z	FSI (%)
65	24.9	24.0	0.3	3952300.	114792000.	50837350.	-1748556.	1
66	22.0	20.4	1.4	3058000.	27913500.	72702200.	-2798709.	1
67	17.8	19.3	-1.5	4575700.	41550700.	25311600.	-12259145.	1
68	24.7	22.0	2.7	4702000.	116004000.	103444000.	-11229456.	1
69	24.2	21.1	3.1	3650000.	198632000.	92415000.	-12736422.	1
70	27.3	28.5	-1.2	3237000.	63335000.	42254500.	-15112172.	1
71	20.6	21.5	-0.9	2870000.	55010000.	51705000.	-12255214.	1
72	23.5	21.4	2.2	3231500.	77007000.	79436150.	-12521770.	1
73	31.1	27.5	3.6	4252500.	132193700.	116543750.	-15620354.	1
74	23.0	25.7	-2.7	5264000.	121203000.	135224500.	-14044550.	1
75	25.5	21.0	4.0	2002550.	143255000.	121035500.	-22203256.	1

BIAS: 1.58 00/00

SUM: 11

RMSF: 3.00 00/00

ACCEPT 90/90

(l) Texas-Oklahoma Panhandle winter wheat

YR	Y (SRS)	Y (CCFA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCFA)	Z	FSI (%)
65	24.6	29.0	-4.6	2530700.	22333000.	27340000.	-4322571.	1
66	21.4	17.1	4.3	2625500.	22254000.	46677000.	-2453233.	1
67	15.7	20.3	-4.6	2513300.	30355700.	51012900.	-120237.	1
68	20.8	20.5	0.3	2550000.	25150000.	54428000.	-1517440.	1
69	25.0	23.5	1.5	2212700.	55495100.	27152500.	-13288055.	1
70	22.2	23.1	-0.1	1875400.	63545000.	42314100.	-13230754.	1
71	21.5	15.6	5.4	1752500.	37210000.	32725700.	-2222192.	1
72	22.4	20.5	2.4	1742500.	41547000.	30752400.	-10062291.	1
73	20.0	25.9	-3.9	3193500.	55253000.	27115500.	-11565410.	1
74	13.8	17.0	-3.2	2801000.	30275000.	47617000.	-5715309.	1
75	22.6	23.7	-0.5	4154000.	25223000.	56649000.	-22203256.	1

BIAS: 1.14 00/00

SUM: 11

RMSF: 3.23 00/00

ACCEPT 90/90

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TABLE 8.— Concluded.

(m) Texas lower plains winter wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
65	16.8	18.5	-1.7	1728000.	29104500.	31468000.	-8371158.	1
66	18.0	19.1	-0.3	1434400.	26945000.	27397040.	-10071803.	1
67	14.4	18.5	-4.1	1442500.	20223400.	26646250.	-3753014.	1
68	19.0	18.7	1.2	1848200.	36791000.	34551340.	-11561902.	1
69	21.1	18.5	2.6	1334600.	28213450.	24690100.	-8286682.	1
70	22.7	20.0	2.7	1041200.	23586400.	20624000.	-7592201.	1
71	13.7	17.4	-3.7	458500.	6298000.	7577900.	-4194042.	1
72	18.4	17.3	1.1	797400.	14632700.	13795020.	-7738445.	1
73	23.9	20.1	3.8	1181300.	22180000.	23744130.	-8093728.	1
74	18.6	17.7	0.9	1581400.	26296000.	27990780.	-10493193.	1
75	20.2	18.6	1.6	2502000.	52262000.	46211200.	-14738340.	1

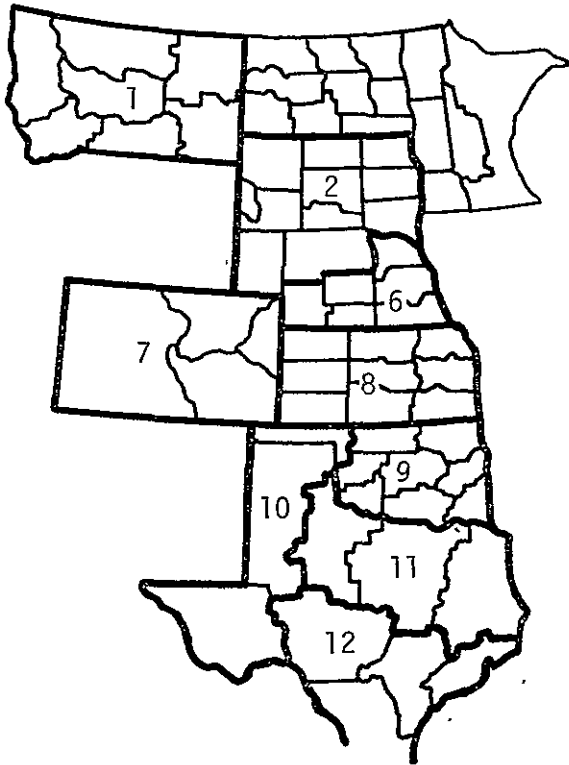
BIAS: 0.21 BU/AC

SUM: 11

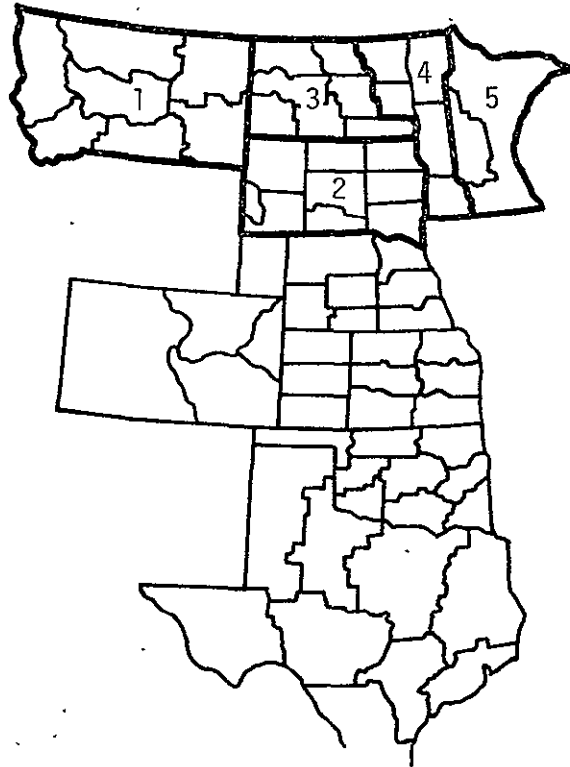
RMSE: 2.50 BU/AC

ACCEPT 90/90

W. 176 . . .
ETL 16-76 . . .



CCEA WINTER WHEAT MODEL BOUNDARIES



CCEA SPRING WHEAT MODEL BOUNDARIES

Figure 8.— Map of the USGP wheat model regions for Phase III.

TABLE 9.— TEST RESULTS OF A 10-YEAR BOOTSTRAP FOR THE USGP PHASE III MODELS

(a) Aggregation

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	21.6	21.5	0.1	40504416.	875346688.	871640064.	-58180368.	1
68	26.0	24.6	1.4	39380704.	1023572224.	967921920.	-16716240.	1
69	28.4	29.4	-1.0	34553456.	980727040.	1014654208.	-35410208.	1
70	28.2	26.6	1.6	31968208.	901360896.	849247744.	-11613040.	1
71	30.8	27.9	2.9	35224112.	1084247808.	983039232.	24552272.	0
72	29.3	29.1	0.2	33992848.	995455232.	989114112.	-64037552.	1
73	30.8	30.1	0.7	40640128.	1251190784.	1224696576.	-61964960.	1
74	23.8	27.4	-3.6	46946912.	1117568000.	1284423680.	87843648.	0
75	26.8	27.3	-0.5	49869840.	1337543680.	1360829952.	-71278048.	1
76	26.4	27.1	-0.7	50157648.	1323742464.	1357338880.	-59992160.	1

BIAS: 0.12 BU/AC

SUM: 8

RMSE: 1.66 BU/AC

ACCEPT 90/90

(b) Montana spring wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	17.7	18.7	-1.0	1839000.	32503488.	34389280.	-10039646.	1
68	21.5	20.0	1.5	1719500.	36910992.	34390000.	-11221212.	1
69	27.4	23.8	3.6	1280000.	35100992.	30463984.	-8480551.	1
70	23.6	21.2	2.4	1733500.	40962896.	36750192.	-9372432.	1
71	22.9	20.8	2.1	2298000.	52604096.	47798368.	-12078960.	1
72	26.4	25.6	0.8	1802800.	47642192.	46151648.	-13906100.	1
73	21.1	22.6	-1.5	1873700.	39517296.	42345600.	-12892499.	1
74	18.8	21.0	-2.2	2092400.	39332592.	43940400.	-10215070.	1
75	25.6	26.3	-0.7	1885000.	48253696.	49575472.	-16639552.	1
76	29.1	26.7	2.4	2176800.	63416992.	58120544.	-15187968.	1

BIAS: 0.74 BU/AC

SUM: 10

RMSE: 2.02 BU/AC

ACCEPT 90/90

TABLE 9.— Continued.

(c) North Dakota spring wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	20.1	14.1	6.0	5794000.	116670496.	81695392.	12381280.	0
68	24.7	23.3	1.4	5745000.	141922992.	133858416.	-18882064.	1
69	28.5	32.1	-3.6	4972000.	141784000.	159601152.	-8546560.	1
70	21.9	19.5	2.4	4691600.	102850592.	91486192.	-10162016.	1
71	29.9	28.9	1.0	6368200.	190700400.	184040928.	-25488912.	1
72	27.9	31.0	-3.1	5201500.	145160000.	161246496.	-10788816.	1
73	26.3	24.1	2.2	6067000.	159738496.	146214640.	-18083328.	1
74	19.3	23.8	-4.5	7138000.	137492400.	169884304.	4678144.	0
75	24.0	26.7	-2.7	7017400.	168367600.	187364544.	-14553824.	1
76	22.7	26.3	-3.6	8025400.	181939792.	211067920.	-5568304.	1

BIAS: -0.44 BU/AC

SUM: 8

RMSE: 3.37 BU/AC

ACCEPT 90/90

(d) Red River spring wheat.

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	30.1	30.7	-0.6	3099800.	93339200.	95163840.	-18384192.	1
68	32.3	29.0	3.3	3107900.	100498096.	90129088.	-12306512.	1
69	32.5	35.5	-3.0	2578200.	83721888.	91526096.	-12454544.	1
70	27.5	24.6	2.9	2604200.	71685696.	77084288.	-12572928.	1
71	36.8	35.0	1.8	4107200.	151202288.	143752000.	-21175840.	1
72	31.8	34.6	-2.8	3618000.	115180096.	125182752.	-13937040.	1
73	33.8	35.4	-1.6	4444100.	150322288.	157321104.	-23662624.	1
74	25.1	34.1	-9.0	5430800.	136392688.	185190224.	21194816.	0
75	30.6	28.5	2.1	5375500.	164377200.	153201744.	-21975328.	1
76	30.1	30.2	-0.1	6535000.	196707088.	197356976.	-35427136.	1

BIAS: -1.19 BU/AC

SUM: 9

RMSF: 3.51 BU/AC

ACCEPT 90/90

TABLE 9.— Continued.

(e) Minnesota spring wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	32.8	31.5	1.3	51100.	1675600.	1609650.	-2641712.	1
68	35.9	32.6	3.3	77000.	2765900.	2510199.	-3506108.	1
69	28.0	37.9	-9.9	64600.	1808600.	2448339.	-2337849.	1
70	30.0	28.7	1.3	59600.	1790200.	1710519.	-2760326.	1
71	31.1	32.8	-1.7	64400.	2006000.	2112319.	-3190909.	1
72	29.2	33.0	-3.8	41800.	1220900.	1379400.	-2306235.	1
73	38.2	34.6	3.6	80500.	3077200.	2785299.	-4095010.	1
74	36.7	36.9	-0.2	247800.	9095100.	9143818.	-7079155.	1
75	31.4	30.5	0.9	328700.	10306500.	10025350.	-8019824.	1
76	38.2	38.5	-0.3	665700.	25444400.	25629440.	-12790255.	1

BIAS: -0.54 BU/AC

SUM: 10

RMSE: 3.79 BU/AC

ACCEPT 90/90

(f) South Dakota -spring wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	24.4	22.4	2.0	1752170.	42680768.	39248592.	-10233320.	1
68	23.5	22.1	1.4	1633770.	38358432.	36106288.	-11756917.	1
69	20.8	21.0	-0.2	1249000.	26002992.	26228992.	-11064289.	1
70	20.1	19.8	0.3	1199770.	24070720.	23755424.	-10098600.	1
71	28.5	24.9	3.6	1551790.	44156656.	38639552.	-9952588.	1
72	24.1	25.4	-1.3	1165270.	28062560.	29597840.	-10281355.	1
73	23.1	22.3	0.8	1600390.	36927600.	35688672.	-13958031.	1
74	15.0	18.4	-3.4	2112500.	31638000.	38869984.	-6062176.	1
75	18.1	20.5	-2.4	2144300.	38878800.	43958144.	-11043056.	1
76	10.9	17.4	-6.5	1942900.	21081200.	33806448.	914735.	0

BIAS: -0.59 BU/AC

SUM: 9

RMSE: 2.85 BU/AC

ACCEPT 90/90

TABLE 9.— Continued.

(g) Montana winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	29.8	26.4	3.4	2753700.	82114800.	72697648.	-9537680.	1
68	31.4	30.6	0.8	2706000.	84907088.	82803568.	-18739008.	1
69	25.8	30.7	-4.9	2268000.	58498000.	69627584.	-5804576.	1
70	26.8	23.9	2.9	1512000.	40446992.	36136784.	-9189110.	1
71	29.8	29.6	0.2	1794000.	53382096.	53102368.	-16729376.	1
72	26.7	30.2	-3.5	1761000.	47097296.	53182192.	-9223445.	1
73	26.4	27.8	-1.4	2053000.	54238496.	57073360.	-15582816.	1
74	29.4	26.8	2.6	2614000.	76836688.	70055168.	-13936128.	1
75	35.0	32.3	2.7	2967000.	103752288.	95834048.	-18419104.	1
76	31.9	30.4	1.5	3039700.	96854592.	92406848.	-20867440.	1

BIAS:	0.42 BU/AC							SUM: 10
RMSF:	2.73 BU/AC							ACCEPT 90/90

(h) Badlands winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	31.0	29.7	1.3	1531190.	47479520.	45476336.	-12410088.	1
68	33.1	29.3	3.8	1480660.	48994864.	43383312.	-10221108.	1
69	25.4	25.6	-0.2	1272820.	32337040.	32584176.	-12343381.	1
70	32.8	33.3	-0.5	1165680.	38182720.	38817120.	-12481621.	1
71	38.0	30.6	7.4	1180100.	44879120.	36111040.	-6827653.	1
72	36.1	39.1	-3.0	1435200.	51844400.	56116304.	-11789411.	1
73	30.1	29.2	0.9	1435100.	43145696.	41904912.	-15185895.	1
74	27.9	34.3	-6.4	1627100.	45336288.	55809504.	-5440780.	1
75	32.1	26.5	5.6	1543800.	49582992.	40910688.	-9534752.	1
76	25.1	32.0	-6.9	1622700.	40748800.	51926400.	-5242602.	1

BIAS:	0.20 BU/AC							SUM: 10
RMSF:	4.49 BU/AC							ACCEPT 90/90

TABLE 9.—Continued.

(i) Nebraska winter wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	26.6	28.8	-2.2	2444790.	65140720.	70409920.	-11613264.	1
68	32.9	33.1	-0.2	2259920.	74423248.	74803328.	-19133312.	1
69	33.7	34.2	-0.5	2016580.	67908032.	68967024.	-17186432.	1
70	38.7	33.7	5.0	1834690.	70985904.	61829040.	-8726720.	1
71	43.3	38.2	5.1	1709000.	73957408.	65283792.	-11346864.	1
72	37.5	39.3	-1.8	1667000.	62576400.	65513072.	-14708880.	1
73	38.1	40.4	-2.3	1785000.	68003360.	72113984.	-16512096.	1
74	36.7	34.4	2.3	1969000.	72329392.	67733584.	-15504992.	1
75	31.8	32.9	-1.1	2105000.	66879488.	69254480.	-18770576.	1
76	32.5	36.4	-3.9	2006000.	65220000.	73018384.	-12975184.	1

BIAS: 0.05 BU/AC

SUM: 10

RMSE: 2.93 BU/AC

ACCEPT 90/90

(j) Colorado winter wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	18.8	18.8	0.0	1679000.	31645200.	31565168.	-11686902.	1
68	19.9	19.2	0.7	1733000.	34480592.	33273584.	-12075065.	1
69	21.2	23.5	-2.3	1823000.	38695296.	42840496.	-9627609.	1
70	28.7	25.8	2.9	1975000.	56628496.	50954960.	-10299459.	1
71	28.4	22.6	5.8	1997500.	56629488.	45143472.	-6032800.	1
72	24.1	23.5	0.6	2039000.	49140992.	47916496.	-14412460.	1
73	24.6	29.6	-5.0	2290000.	56254000.	67783968.	-7226784.	1
74	25.9	19.5	6.4	2495000.	64592000.	48652496.	-3055760.	1
75	22.5	24.2	-1.7	2099000.	47300992.	50795792.	-14288336.	1
76	21.7	20.0	1.7	1992000.	43210000.	39840000.	-13538816.	1

BIAS: 0.91 BU/AC

SUM: 10

RMSE: 3.45 BU/AC

ACCEPT 90/90

TABLE 9.— Continued.

(k) Kansas winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	20.0	20.6	-0.6	11081000.	221620000.	228268496.	-24491152.	1
68	26.0	24.4	1.6	9751000.	253526000.	237924336.	-20413856.	1
69	31.0	31.7	-0.7	9852000.	305318912.	312308224.	-31698128.	1
70	33.0	30.0	3.0	9061000.	299012864.	271829760.	-9520896.	1
71	34.4	28.9	5.5	9085000.	312104960.	262556432.	8420896.	0
72	33.5	29.6	3.9	9400000.	314899968.	278239744.	-2923472.	1
73	37.0	35.9	1.1	10400000.	384800000.	373359872.	-37616592.	1
74	27.5	32.8	-5.3	11599500.	318999808.	380463360.	19250048.	0
75	29.0	31.9	-2.9	12100000.	350899968.	385989888.	-13345696.	1
76	30.0	30.3	-0.3	11300000.	338999808.	342389760.	-43971024.	1

RIAS: 0.52 BU/AC

SUM: 8

RMSF: 3.08 BU/AC

ACCEPT 90/90

(l) Oklahoma winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	17.8	20.7	-2.9	4550900.	80929888.	94203616.	-5543856.	1
68	24.7	23.5	1.2	4681500.	115564000.	110015248.	-18767120.	1
69	29.2	28.0	1.2	3633500.	106212992.	101738000.	-18343232.	1
70	27.3	29.5	-2.2	3222500.	87929488.	95063744.	-12769536.	1
71	20.5	22.4	-1.9	2858000.	58644000.	64019168.	-12452528.	1
72	23.6	22.6	1.0	3279000.	77284992.	74105360.	-16430368.	1
73	31.1	28.6	2.5	4241500.	131911392.	121306848.	-18117952.	1
74	23.0	26.6	-3.6	5243900.	120806000.	139487680.	-7296000.	1
75	25.6	22.8	2.8	5584190.	142764352.	127319456.	-15449744.	1
76	24.4	23.2	1.2	5523500.	134968000.	128145168.	-23060992.	1

RIAS: -0.07 BU/AC

SUM: 10

RMSF: 2.21 BU/AC

ACCEPT 90/90

TABLE 9.- Continued.

(m) Texas-Oklahoma Panhandle winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	15.7	20.3	-4.6	2513300.	39385696.	51019952.	-1493142.	1
68	20.8	20.5	0.3	2656000.	55156000.	54448000.	-16090656.	1
69	25.0	23.4	1.6	2219700.	55498144.	51940960.	-12937067.	1
70	23.2	23.0	0.2	1875100.	43544992.	43127296.	-13589065.	1
71	21.5	18.6	2.9	1759500.	37910000.	32726672.	-9150444.	1
72	22.9	20.7	2.2	1792800.	41046992.	37110944.	-10355223.	1
73	29.8	26.1	3.7	3193500.	95252992.	83350320.	-12504656.	1
74	13.8	17.1	-3.3	2801000.	38574992.	47897072.	-5357352.	1
75	22.9	24.0	-1.1	4154000.	95282992.	99696000.	-20826496.	1
76	23.9	21.0	2.9	2872000.	68768992.	60312000.	-12874304.	1

BIAS: 0.49 BU/AC

SUM: 10

RMSE: 2.69 BU/AC

ACCEPT 90/90

(n) Texas lower plains winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	14.5	18.6	-4.1	1354500.	19601392.	25193680.	-3668606.	1
68	19.9	18.8	1.1	1653000.	32940000.	31076368.	-11118329.	1
69	21.5	18.6	2.9	1219100.	26242144.	22675248.	-7775192.	1
70	22.7	20.1	2.6	915500.	20798992.	18401536.	-7282868.	1
71	13.6	17.4	-3.8	437500.	5943000.	7612497.	-4005774.	1
72	18.6	17.3	1.3	712000.	13215000.	12317591.	-7211524.	1
73	24.9	20.2	4.7	1013300.	25212000.	20468656.	-7813624.	1
74	17.1	17.7	-0.6	1395000.	23874992.	24691488.	-10732067.	1
75	20.1	18.6	1.5	2240000.	44920000.	41663968.	-14073744.	1
76	18.9	17.9	1.0	2300000.	43370000.	41169984.	-14740064.	1

BIAS: 0.65 BU/AC

SUM: 10

RMSE: 2.74 BU/AC

ACCEPT 90/90

TABLE 9.— Concluded.

(o) Texas Edwards Plateau West winter wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	9.4	10.1	-0.7	40000.	376800.	404000.	-1256798.	1
68	17.8	17.1	0.7	106000.	1884000.	1812599.	-3033294.	1
69	13.7	15.1	-1.4	75000.	1029700.	1132499.	-2143919.	1
70	20.1	19.3	0.8	61300.	1231000.	1183089.	-2307124.	1
71	8.6	8.2	0.4	9000.	77000.	73800.	-642795.	1
72	10.6	11.1	-0.5	31000.	328000.	344100.	-1261418.	1
73	15.6	16.6	-1.0	75000.	1170000.	1244999.	-2630042.	1
74	11.4	11.8	-0.4	85000.	972000.	1003000.	-2299180.	1
75	17.9	15.9	2.0	180000.	3221000.	2861999.	-4261540.	1
76	21.2	12.6	8.6	85000.	1803000.	1070999.	-2721971.	1

BIAS: 0.85 BU/AC

SUM: 10

RMSE: 2.88 BU/AC

ACCEPT 90/90

(p) Texas Edwards Plateau East winter wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	9.2	14.8	-5.6	20000.	184700.	296000.	-787665.	1
68	17.6	19.7	-2.1	70500.	1242000.	1388849.	-2373956.	1
69	19.0	19.1	-0.1	30000.	569600.	573000.	-1667607.	1
70	21.8	19.7	2.1	56800.	1240400.	1118959.	-2242569.	1
71	10.6	13.7	-3.1	5000.	53000.	68500.	-520447.	1
72	16.3	15.3	1.0	46500.	756700.	711450.	-1895152.	1
73	18.4	19.7	-1.3	88100.	1621000.	1735569.	-3069427.	1
74	13.5	16.7	-3.2	96000.	1297000.	1603199.	-2385498.	1
75	18.9	16.3	2.6	146000.	2757000.	2379798.	-3916101.	1
76	17.1	15.2	1.9	71000.	1211000.	1079199.	-2698894.	1

BIAS: -0.78 BU/AC

SUM: 10

RMSE: 2.69 BU/AC

ACCEPT 90/90

TABLE 10.— TEST RESULTS OF A 10-YEAR BOOTSTRAP FOR THE USGP PHASE III
MODELS WITH OBJECTIVE TREND

(a) Aggregation

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	21.6	22.5	-0.9	40504450.	875348310.	910461713.	-26773714.	1
68	26.0	24.6	1.4	39380750.	1023574270.	967923507.	-16715927.	1
69	28.4	29.4	-1.0	34553500.	980728480.	1014656108.	-35409866.	1
70	28.2	26.6	1.6	31968240.	901362160.	849249333.	-11613469.	1
71	30.8	27.9	2.9	35224190.	1084249610.	983041231.	24551943.	0
72	29.3	29.1	0.2	33992870.	995456560.	989115868.	-64038077.	1
73	30.8	30.6	0.2	40640190.	1251191870.	1244907990.	-82175372.	1
74	23.8	28.4	-4.6	46947000.	1117570200.	1331244360.	134661958.	0
75	26.8	27.3	-0.5	49869890.	1337544960.	1360831762.	-71277613.	1
76	26.4	27.1	-0.7	50157700.	1323743900.	1358072840.	-59259740.	1

BIAS: -0.13 BU/AC

SUM: 8

RMSF: 1.90 BU/AC

ACCEPT 90/90

(b) Montana spring wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	17.7	18.7	-1.0	1839000.	32503500.	34389300.	-10039652.	1
68	21.5	20.0	1.5	1719500.	36911000.	34390000.	-11221221.	1
69	27.4	23.8	3.6	1280000.	35101000.	30464000.	-8480573.	1
70	23.6	21.2	2.4	1733500.	40962900.	36750200.	-9372448.	1
71	22.9	20.8	2.1	2298000.	52604100.	47798400.	-12079017.	1
72	26.4	25.6	0.8	1802800.	47642200.	46151680.	-13906136.	1
73	21.1	23.1	-2.0	1873700.	39517300.	43282470.	-11955641.	1
74	18.8	21.9	-3.1	2092400.	39332600.	45823560.	-8331937.	1
75	25.6	26.3	-0.7	1885000.	48253700.	49575500.	-16639545.	1
76	29.1	26.7	2.4	2176800.	63417000.	58120560.	-15188004.	1

BIAS: 0.60 BU/AC

SUM: 10

RMSF: 2.18 BU/AC

ACCEPT 90/90

TABLE 10.— Continued.

(c) North Dakota spring wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	20.1	20.8	-0.7	5794000.	116670500.	120515200.	-18749155.	1
68	24.7	23.3	1.4	5745000.	141923000.	133858500.	-18882190.	1
69	24.5	32.1	-3.6	4972000.	141784000.	159601200.	-8546560.	1
70	21.9	19.5	2.4	4691600.	102850600.	91486200.	-10162051.	1
71	29.9	28.4	1.0	6368200.	190700400.	184040980.	-25489012.	1
72	27.9	31.0	-3.1	5201500.	145160000.	161246500.	-10788841.	1
73	26.3	24.4	1.9	6067000.	159738500.	148034800.	-19903506.	1
74	19.3	24.8	-5.5	7138000.	137492400.	177022400.	11816198.	0
75	24.0	26.7	-2.7	7017400.	168367600.	187364580.	-14553814.	1
76	22.7	26.3	-3.6	8025400.	181939800.	211068020.	-5568242.	1

BIAS:	-1.24 BU/AC						SUM:	9
RMSF:	2.94 BU/AC						ACCEPT	90/90

(d) Red River spring wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	30.1	30.7	-0.6	3099800.	93339200.	95163860.	-18384201.	1
68	32.3	29.0	3.3	3107900.	100498100.	90129100.	-12306557.	1
69	32.5	35.5	-3.0	2578200.	83721900.	91526100.	-12454580.	1
70	27.5	29.6	-2.1	2604200.	71685700.	77084320.	-12572919.	1
71	36.8	35.0	1.8	4107200.	151202300.	143752000.	-21175866.	1
72	31.8	34.6	-2.8	3618000.	115180100.	125182800.	-13937029.	1
73	33.8	36.2	-2.4	4444100.	150322300.	160876420.	-20107353.	1
74	25.1	35.6	-10.5	5430800.	136392700.	193336480.	29341032.	0
75	30.6	28.5	2.1	5375500.	164377200.	153201750.	-21975375.	1
76	30.1	30.2	-0.1	6535000.	196707100.	197357000.	-35427178.	1

BIAS:	-1.42 BU/AC						SUM:	9
RMSF:	3.95 BU/AC						ACCEPT	90/90

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TABLE 10.— Continued.

(e) Minnesota spring wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	32.8	31.5	1.3	51100.	1675600.	1609650.	-2641715.	1
68	35.9	32.6	3.3	77000.	2765900.	2510200.	-3506114.	1
69	28.0	37.9	-9.9	64600.	1808600.	2448340.	-2337851.	1
70	30.0	28.7	1.3	59600.	1790200.	1710520.	-2760329.	1
71	31.1	32.8	-1.7	64400.	2006000.	2112320.	-3190912.	1
72	29.2	33.0	-3.8	41800.	1220900.	1379400.	-2306237.	1
73	38.2	34.6	3.6	80500.	3077200.	2785300.	-4095014.	1
74	36.7	36.9	-0.2	247800.	9095100.	9143820.	-7079162.	1
75	31.4	30.5	0.9	328700.	10306500.	10025350.	-8019826.	1
76	38.2	39.6	-1.4	665700.	25444400.	26361720.	-12057981.	1

BIAS: -0.65 BU/AC

SUM: 10

RMSE: 3.81 BU/AC

ACCEPT 90/90

(f) South Dakota spring wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	24.4	22.4	2.0	1752170.	42680770.	39248608.	-10233350.	1
68	23.5	22.1	1.4	1633770.	38358440.	36106317.	-11756953.	1
69	20.8	21.0	-0.2	1249000.	26003000.	26229000.	-11064300.	1
70	20.1	19.8	0.3	1199770.	24070730.	23755446.	-10098622.	1
71	28.5	24.9	3.6	1551790.	44156660.	38639571.	-9952618.	1
72	24.1	25.4	-1.3	1165270.	28062560.	29597858.	-10281346.	1
73	23.1	23.0	0.1	1600390.	36927600.	36808970.	-15078335.	1
74	15.0	19.6	-4.6	2112500.	31638000.	41405000.	-3527171.	1
75	18.1	20.5	-2.4	2144300.	38878800.	43958150.	-11043060.	1
76	10.9	17.4	-6.5	1942900.	21081200.	33806460.	914740.	0

BIAS: -0.78 BU/AC

SUM: 9

RMSE: 3.00 BU/AC

ACCEPT 90/90

TABLE 10.— Continued.

(g) Montana winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	29.8	26.4	3.4	2753700.	82114800.	72697680.	-9537737.	1
68	31.4	30.6	0.8	2706000.	84907100.	82803600.	-18739059.	1
69	25.8	30.7	-4.9	2268000.	58498000.	69627600.	-5804583.	1
70	26.8	23.4	2.9	1512000.	40447000.	36136800.	-9189129.	1
71	29.8	29.6	0.2	1794000.	53382100.	53102400.	-16729419.	1
72	26.7	30.2	-3.5	1761000.	47097300.	53182200.	-9223455.	1
73	26.4	28.2	-1.8	2053000.	54238500.	57894600.	-14761589.	1
74	29.4	27.6	1.8	2614000.	76836700.	72146400.	-16027379.	1
75	35.0	32.3	2.7	2967000.	103752300.	95834100.	-18419170.	1
76	31.9	30.4	1.5	3039700.	96854600.	92406880.	-20867486.	1

BIAS: 0.30 BU/AC

SUM: 10

RMSF: 2.69 BU/AC

ACCEPT 90/90

(h) Badlands winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	31.0	29.7	1.3	1531190.	47479520.	45476343.	-12410108.	1
68	33.1	29.3	3.8	1480660.	48994870.	43383338.	-10221144.	1
69	25.4	25.6	-0.2	1272820.	32337040.	32584192.	-12343374.	1
70	32.8	33.3	-0.5	1165680.	38182720.	38817144.	-12481607.	1
71	38.0	30.6	7.4	1180100.	44879130.	36111060.	-6827678.	1
72	36.1	39.1	-3.0	1435200.	51844400.	56116320.	-11789407.	1
73	30.1	29.5	0.6	1435100.	43145710.	42335450.	-15616432.	1
74	27.9	35.1	-7.2	1627100.	45336300.	57111210.	-4139106.	1
75	32.1	28.5	5.6	1543800.	49583000.	40910700.	-9534765.	1
76	25.1	32.0	-6.9	1622700.	40748800.	51926400.	-5242612.	1

BIAS: 0.09 BU/AC

SUM: 10

RMSF: 4.61 BU/AC

ACCEPT 90/90

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TABLE 10.— Continued.

(i) Nebraska winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	26.6	28.8	-2.2	2444790.	65140720.	70409952.	-11613242.	1
68	32.9	33.1	-0.2	2259920.	74423260.	74803352.	-19133327.	1
69	33.7	34.2	-0.5	2016580.	67908040.	68967036.	-17186444.	1
70	38.7	33.7	5.0	1834690.	70985910.	61829053.	-8726749.	1
71	43.3	38.2	5.1	1709000.	73957420.	65283800.	-11346877.	1
72	37.5	39.3	-1.8	1667000.	62576400.	65513100.	-14708874.	1
73	38.1	41.1	-3.0	1785000.	68003360.	73363500.	-15262606.	1
74	36.7	35.8	0.9	1969000.	72329400.	70490200.	-18261639.	1
75	31.8	32.9	-1.1	2105000.	66879500.	69254500.	-18770602.	1
76	32.5	36.4	-3.9	2006000.	65220000.	73018400.	-12975199.	1

HIAS: -0.16 BU/AC

SUM: 10

RMSE: 2.92 BU/AC

ACCEPT 90/90

(j) Colorado winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	18.8	18.8	0.0	1679000.	31645200.	31565200.	-11686945.	1
68	19.9	19.2	0.7	1733000.	34480600.	33273600.	-12075091.	1
69	21.2	23.5	-2.3	1823000.	38695300.	42840500.	-9627619.	1
70	28.7	25.8	2.9	1975000.	56628500.	50955000.	-10299502.	1
71	28.4	22.6	5.8	1997500.	56629500.	45143500.	-6032840.	1
72	24.1	23.5	0.6	2039000.	49141000.	47916500.	-14412466.	1
73	24.6	30.0	-5.4	2290000.	56254000.	68700000.	-6310768.	1
74	25.9	20.0	5.9	2495000.	64592000.	49900000.	-4303299.	1
75	22.5	24.2	-1.7	2099000.	47301000.	50795800.	-14288351.	1
76	21.7	20.0	1.7	1992000.	43210000.	39840000.	-13538827.	1

HIAS: 0.82 BU/AC

SUM: 10

RMSE: 3.42 BU/AC

ACCEPT 90/90

TABLE 10.— Continued.

(k) Kansas winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PRUD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	20.0	20.6	-0.6	11081000.	221620000.	228268600.	-24491089.	1
68	26.0	24.4	1.6	9751000.	253526000.	237924400.	-20413969.	1
69	31.0	31.7	-0.7	9852000.	305319000.	312308400.	-31698099.	1
70	33.0	30.0	3.0	9061000.	299013000.	271830000.	-9521055.	1
71	34.4	28.9	5.5	9085000.	312105000.	262556500.	8420807.	0
72	33.5	29.6	3.9	9400000.	314900000.	278240000.	-2923741.	1
73	37.0	36.8	0.2	10400000.	384800000.	382720000.	-46976758.	1
74	27.5	34.5	-7.0	11599500.	319000000.	400182750.	38969178.	0
75	29.0	31.9	-2.9	12100000.	350900000.	385990000.	-13345661.	1
76	30.0	30.3	-0.3	11300000.	339000000.	342390000.	-43971035.	1

BIAS: 0.26 BU/AC

SUM: 8

RMSF: 3.39 BU/AC

ACCEPT 90/90

(1) Oklahoma winter wheat.

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PRUD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	17.8	20.7	-2.9	4550900.	80929900.	94203630.	-5543873.	1
68	24.7	23.5	1.2	4681500.	115564000.	110015250.	-18767148.	1
69	29.2	28.0	1.2	3633500.	106213000.	101738000.	-18343263.	1
70	27.3	24.5	-2.2	3222500.	87929500.	95063750.	-12769564.	1
71	20.5	22.4	-1.9	2858000.	58644000.	64019200.	-12452519.	1
72	23.6	22.5	1.0	3279000.	77285000.	74105400.	-16430423.	1
73	31.1	28.5	2.5	4241500.	131911400.	121306900.	-18118016.	1
74	23.0	26.6	-3.6	5243900.	120806000.	139487740.	-7295979.	1
75	25.6	22.8	2.8	5584190.	142764360.	127319532.	-15449834.	1
76	24.4	23.2	1.2	5523500.	134968000.	128145200.	-23061063.	1

BIAS: -0.07 BU/AC

SUM: 10

RMSF: 2.21 BU/AC

ACCEPT 90/90

TABLE 10.— Continued.

(m) Texas-Oklahoma Panhandle winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	15.7	20.3	-4.6	2513300.	39385700.	51019990.	-1493121.	1
68	20.8	20.5	0.3	2656000.	55156000.	54448000.	-16090690.	1
69	25.0	23.4	1.6	2219700.	55498150.	51940980.	-12937096.	1
70	23.2	23.0	0.2	1875100.	43545000.	43127300.	-13589075.	1
71	21.5	18.6	2.9	1759500.	37910000.	32726700.	-9150485.	1
72	22.9	20.7	2.2	1792800.	41047000.	37110960.	-10355243.	1
73	29.8	26.1	3.7	3193500.	95253000.	83350350.	-12504701.	1
74	13.8	17.1	-3.3	2801000.	38575000.	47897100.	-5357348.	1
75	22.9	24.0	-1.1	4154000.	95283000.	99696000.	-20826530.	1
76	23.9	21.0	2.9	2872000.	68769000.	60312000.	-12874318.	1

BIAS: 0.49 BU/AC

SUM: 10

RMSE: 2.69 BU/AC

ACCEPT 90/90

(n) Texas lower plains winter wheat

YR	Y (SRS)	Y (CCEA)	ERROR	ACREAGE	PROD (SRS)	PROD (CCEA)	Z	PSI (Z)
67	14.5	18.6	-4.1	1354500.	19601400.	25193700.	-3668603.	1
68	19.9	18.8	1.1	1653000.	32940000.	31076400.	-11118377.	1
69	21.5	18.6	2.9	1219100.	26242150.	22675260.	-7775209.	1
70	22.7	20.1	2.6	915500.	20799000.	18401550.	-7282882.	1
71	13.6	17.4	-3.8	437500.	5943000.	7612500.	-4005774.	1
72	18.6	17.3	1.3	712000.	13215000.	12317600.	-7211540.	1
73	24.9	20.2	4.7	1013300.	25212000.	20468660.	-7813633.	1
74	17.1	17.7	-0.6	1395000.	23875000.	24691500.	-10732076.	1
75	20.1	18.6	1.5	2240000.	44920000.	41664000.	-14073795.	1
76	18.9	17.9	1.0	2300000.	43370000.	41170000.	-14740103.	1

BIAS: 0.65 BU/AC

SUM: 10

RMSE: 2.74 BU/AC

ACCEPT 90/90

TABLE 10.— Concluded.

(o) Texas Edwards Plateau West winter wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	9.4	10.1	-0.7	40000.	376800.	404000.	-1256801.	1
68	17.8	17.1	0.7	106000.	1884000.	1812600.	-3033299.	1
69	13.7	15.1	-1.4	75000.	1029700.	1132500.	-2143921.	1
70	20.1	19.3	0.8	61300.	1231000.	1183090.	-2307129.	1
71	8.6	8.2	0.4	9000.	77000.	73800.	-642795.	1
72	10.6	11.1	-0.5	31000.	328000.	344100.	-1261419.	1
73	15.6	16.6	-1.0	75000.	1170000.	1245000.	-2630043.	1
74	11.4	11.8	-0.4	85000.	972000.	1003000.	-2299182.	1
75	17.9	15.9	2.0	180000.	3221000.	2862000.	-4281544.	1
76	21.2	12.6	8.6	85000.	1803000.	1071000.	-2721975.	1

BIAS: 0.85 BU/AC

SUM: 10

RMSF: 2.88 BU/AC

ACCEPT 90/90

(p) Texas Edwards East winter wheat

YR	Y(SRS)	Y(CCEA)	ERROR	ACREAGE	PROD(SRS)	PROD(CCEA)	Z	PSI(Z)
67	9.2	14.8	-5.6	20000.	184700.	296000.	-787666.	1
68	17.6	19.7	-2.1	70500.	1242000.	1388850.	-2373958.	1
69	19.0	19.1	-0.1	30000.	569600.	573000.	-1667609.	1
70	21.8	19.7	2.1	56800.	1240400.	1118960.	-2242573.	1
71	10.6	13.7	-3.1	5000.	53000.	68500.	-520447.	1
72	16.3	15.3	1.0	46500.	756700.	711450.	-1895155.	1
73	18.4	19.7	-1.3	88100.	1621000.	1735570.	-3069428.	1
74	13.5	16.7	-3.2	96000.	1297000.	1603200.	-2385501.	1
75	18.9	16.3	2.6	146000.	2757000.	2379800.	-3916107.	1
76	17.1	15.2	1.9	71000.	1211000.	1079200.	-2698897.	1

BIAS: -0.78 BU/AC

SUM: 10

RMSF: 2.69 BU/AC

ACCEPT 90/90

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TABLE 11.— TEST RESULTS OF A 10-YEAR BOOTSTRAP OF BASELINE FEYERHERM
MODELS FOR THE USGP

(a) Aggregation

YR	Y(SRS)	Y(KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	21.6	21.9	-0.3	40444450.	874786810.	887687916.	-48946313.	1
68	26.0	26.4	-0.4	39204250.	1020448270.	1035673468.	-56920484.	1
69	28.4	27.2	1.2	34448500.	979129180.	936112294.	-26207537.	1
70	28.2	25.4	2.8	31850140.	898890760.	808131468.	27207724.	0
71	30.8	26.7	4.0	35210190.	1084119610.	941546347.	65926018.	0
72	29.3	29.2	0.2	33915370.	994371860.	988944697.	-64874917.	1
73	30.8	29.3	1.5	40477090.	1248400870.	1186503236.	-26364295.	1
74	23.8	26.6	-2.7	46766000.	1115301200.	1243420300.	49267317.	0
75	26.0	27.0	-0.1	49543890.	1331566960.	1337884967.	-87823763.	1
76	26.4	27.7	-1.3	50001700.	1320729900.	1384108790.	-29996700.	1

RIAS: 0.50 BU/AC

SUM: 7

RMSF: 1.94 BU/AC

REJECT 90/90

(b) Montana spring wheat aggregation

YR	Y(SRS)	Y(KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	17.7	20.0	-2.3	1839000.	32503500.	36780000.	-7645127.	1
68	21.5	24.2	-2.7	1719500.	36911000.	41611900.	-9020321.	1
69	27.4	23.5	3.9	1280000.	35101000.	30080000.	-8085873.	1
70	23.6	20.2	3.4	1733500.	40962900.	35016700.	-7620311.	1
71	22.9	22.3	0.6	2298000.	52604100.	51245400.	-15525005.	1
72	26.4	29.3	-2.9	1802800.	47642200.	52822040.	-10208425.	1
73	21.1	23.4	-2.3	1873700.	39517300.	43844580.	-11375987.	1
74	18.8	20.9	-2.1	2092400.	39332600.	43731160.	-10409282.	1
75	25.6	22.9	2.7	1885000.	48253700.	43166500.	-12833962.	1
76	29.1	28.7	0.4	2176800.	63417000.	62474160.	-19518271.	1

RIAS: -0.13 BU/AC

SUM: 10

RMSF: 2.57 BU/AC

ACCEPT 90/90

TABLE 11.- Continued.

(c) North Dakota spring wheat aggregation

YR	Y(SRS)	Y(KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	7	PSI(7)
67	20.1	18.3	1.8	5794000.	116670500.	106030200.	-11446307.	1
68	24.7	28.8	-4.1	5745000.	141923000.	165456000.	-3372511.	1
69	28.5	27.5	1.0	4972000.	141784000.	136730000.	-21248256.	1
70	21.9	23.0	-1.1	4691600.	102850600.	107906800.	-16440719.	1
71	29.9	25.5	4.4	6368200.	190700400.	162389100.	-3835204.	1
72	27.9	30.6	-2.7	5201500.	145160000.	159165900.	-12854795.	1
73	26.3	25.2	1.1	6067000.	159738500.	152888400.	-24721834.	1
74	19.3	18.4	0.9	7138000.	137492400.	131339200.	-21532454.	1
75	24.0	22.9	1.1	7017400.	168367600.	160698450.	-25806595.	1
76	22.7	26.2	-3.5	8025400.	181939800.	210265480.	-6331260.	1

BIAS: -0.10 BU/AC

SUM: 10

RMSF: 2.55 BU/AC

ACCEPT 90/90

(d) Red River spring wheat aggregation

YR	Y(SRS)	Y(KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	7	PSI(7)
67	30.1	25.1	5.0	3099800.	43339200.	77804980.	-4668158.	1
68	32.3	31.9	0.4	3107900.	100498100.	99142010.	-21284815.	1
69	32.5	32.3	0.2	2578200.	83721900.	83275860.	-19796215.	1
70	27.5	29.1	-1.6	2604200.	71685700.	75782220.	-13850365.	1
71	36.8	32.7	4.1	4107200.	151202300.	134305440.	-11727590.	1
72	31.8	34.2	-2.4	3618000.	115180100.	123735600.	-15371183.	1
73	33.8	29.6	4.2	4444100.	150322300.	131545360.	-11850316.	1
74	25.1	27.2	-2.1	5430800.	136392700.	147717760.	-16249653.	1
75	30.6	30.2	0.4	5375500.	164377200.	162340100.	-31039560.	1
76	30.1	29.7	0.4	6535000.	196707100.	194089500.	-33418383.	1

BIAS: 0.87 BU/AC

SUM: 10

RMSF: 2.70 BU/AC

ACCEPT 90/90

TABLE 11.— Continued.

(e) Minnesota spring wheat aggregation

YR	Y (SRS)	Y (KSU)	ERROR	ACREAGE	PROD (SRS)	PROD (KSU)	Z	PSI (Z)
67	32.8	30.6	2.2	51100.	1675600.	1563660.	-2594857.	1
68	35.9	28.2	7.7	77000.	2765900.	2171400.	-3161565.	1
69	28.0	33.2	-5.2	64600.	1808600.	2144720.	-2639042.	1
70	30.0	27.1	2.9	59600.	1790200.	1615160.	-2661073.	1
71	31.1	27.6	3.5	64400.	2006000.	1777440.	-3068474.	1
72	29.2	34.8	-5.6	41800.	1220900.	1454640.	-2229654.	1
73	38.2	30.5	7.7	80500.	3077200.	2455250.	-3760069.	1
74	36.7	28.7	8.0	247800.	9095100.	7111860.	-5137402.	1
75	31.4	32.8	-1.4	328700.	10306500.	10781360.	-7807545.	1
76	38.2	33.0	5.2	665700.	25444400.	21968100.	-9484221.	1

RIAS: 2.51 BU/AC

SUM: 10

RMSE: 5.45 BU/AC

ACCEPT 90/90

(f) South Dakota spring wheat aggregation

YR	Y (SRS)	Y (KSU)	ERROR	ACREAGE	PROD (SRS)	PROD (KSU)	Z	PSI (Z)
67	24.4	18.7	5.7	1752170.	42680770.	32765579.	-3745938.	1
68	23.5	20.4	3.1	1633770.	38358440.	33328908.	-8058136.	1
69	20.8	22.3	-1.5	1249000.	26003000.	27852700.	-9431390.	1
70	20.1	16.8	3.3	1199770.	24070730.	20156136.	-6485025.	1
71	28.5	18.3	10.2	1551790.	44156660.	28397757.	290123.	0
72	24.1	25.1	-1.0	1165270.	28062560.	29248277.	-10624487.	1
73	23.1	21.4	1.7	1600390.	36927600.	34248346.	-12500751.	1
74	15.0	17.3	-2.3	2112500.	31638000.	36546250.	-8372419.	1
75	18.1	19.3	-1.2	2144300.	38878800.	41384990.	-13580151.	1
76	10.9	19.7	-8.8	1942900.	21081200.	38275130.	5396864.	0

RIAS: 0.90 BU/AC

SUM: 8

RMSE: 4.96 BU/AC

ACCEPT 90/90

TABLE 11.- Continued.

(g) Montana winter wheat aggregation

YR	Y(SRS)	Y(KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	29.8	29.2	0.6	2753700.	82114800.	80498040.	-17242017.	1
68	31.4	30.1	1.3	2706000.	84907100.	81450600.	-17364208.	1
69	25.8	27.4	-1.6	2268000.	58498000.	62143200.	-13275170.	1
70	26.8	28.6	-1.8	1512000.	40447000.	43243200.	-10684609.	1
71	24.8	29.0	0.8	1794000.	53382100.	52026000.	-15651999.	1
72	26.7	29.2	-2.5	1761000.	47097300.	51421200.	-10976112.	1
73	26.4	27.5	-1.1	2053000.	54238500.	56457500.	-16178136.	1
74	29.4	26.4	3.0	2614000.	76836700.	69009600.	-12869537.	1
75	35.0	30.8	4.2	2967000.	103752300.	91383600.	-13909749.	1
76	31.9	33.3	-1.4	3039700.	96854600.	101222010.	-29918960.	1

BIAS: 0.14 BU/AC

SUM: 10

RMSF: 2.10 BU/AC

ACCEPT 90/90

(h) Badlands winter wheat aggregation

YR	Y(SRS)	Y(KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	31.0	28.3	2.2	1531190.	47479520.	44098272.	-11027413.	1
68	33.1	27.3	5.8	1480660.	48994870.	40422018.	-7235629.	1
69	25.4	23.6	1.8	1272820.	32337040.	30038552.	-10281768.	1
70	32.8	26.2	6.6	1165680.	38182720.	30540816.	-5456134.	1
71	38.0	30.1	7.9	1180100.	44879130.	35521010.	-6236693.	1
72	36.1	33.5	2.6	1435200.	51844400.	48079200.	-12287374.	1
73	30.1	30.2	-0.1	1435100.	43145710.	43340020.	-16214051.	1
74	27.9	34.8	-6.9	1627100.	45336300.	56623080.	-4611073.	1
75	32.1	30.2	1.9	1543800.	49583000.	46622760.	-15206092.	1
76	25.1	27.3	-2.2	1622700.	40748800.	44299710.	-12850598.	1

BIAS: 1.96 BU/AC

SUM: 10

RMSF: 4.59 BU/AC

ACCEPT 90/90

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TABLE 11.-- Continued.

(i) Nebraska winter wheat aggregation

YR	Y(SRS)	Y(KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	26.6	23.5	3.1	2444790.	65140720.	57452565.	-9188903.	1
68	32.9	29.6	3.3	2259920.	74423250.	66893632.	-11953971.	1
69	33.7	31.4	2.3	2016580.	67908040.	63320612.	-13643129.	1
70	38.7	29.4	9.3	1834690.	70985910.	53939886.	-813048.	1
71	43.3	35.7	7.6	1709000.	73957420.	61011300.	-7073177.	1
72	37.5	34.5	3.0	1667000.	62576400.	57511500.	-12571058.	1
73	38.1	38.5	-0.4	1785000.	68003360.	68722500.	-19880592.	1
74	36.7	40.0	-3.3	1969000.	72329400.	78760000.	-13649823.	1
75	31.8	34.7	-2.9	2105000.	66879500.	73043500.	-14934295.	1
76	32.5	32.5	0.0	2006000.	65220000.	65195000.	-20724936.	1

RIAS: 2.21 BU/AC

SUM: 10

RMSE: 4.46 BU/AC

ACCEPT 90/90

(j) Colorado winter wheat aggregation

YR	Y(SRS)	Y(KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	18.8	24.9	-6.1	1679000.	31645200.	41807100.	-1601270.	1
68	19.9	18.5	1.4	1733000.	34480600.	32060500.	-10841693.	1
69	21.2	20.1	1.1	1823000.	38695300.	36642300.	-11708585.	1
70	28.7	18.3	10.4	1975000.	56628500.	36142500.	4534911.	0
71	28.4	21.6	6.8	1997500.	56629500.	43146000.	-4034290.	1
72	24.1	20.4	3.7	2039000.	49141000.	41595600.	-8083045.	1
73	24.6	26.3	-1.7	2290000.	56254000.	60227000.	-14762836.	1
74	25.9	25.9	-0.0	2495000.	64592000.	64620500.	-18947506.	1
75	22.5	21.9	0.6	2099000.	47301000.	45968100.	-16410466.	1
76	21.7	22.4	-0.7	1992000.	43210000.	44620800.	-15478766.	1

RIAS: 1.55 BU/AC

SUM: 9

RMSE: 4.59 BU/AC

ACCEPT 90/90

10/1/70
10/1/70

TABLE 11.— Continued.

(k) Kansas winter wheat aggregation

YR	Y (SRS)	Y (KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	20.0	20.5	-0.5	11081000.	221620000.	227160500.	-25589200.	1
68	26.0	26.8	-0.8	9751000.	253526000.	261326900.	-28159731.	1
69	31.0	29.1	1.9	9852000.	305319000.	286693200.	-20030142.	1
70	33.0	27.9	5.1	9061000.	299013000.	252801900.	9557398.	0
71	34.4	28.9	5.5	9085000.	312105000.	262556500.	8423272.	0
72	33.5	29.7	3.8	9400000.	314900000.	279180000.	-3842169.	1
73	37.0	34.1	2.9	10400000.	384800000.	354640000.	-18842012.	1
74	27.5	33.7	-6.2	11599500.	319000000.	390903150.	29732453.	0
75	29.0	30.5	-1.5	12100000.	350900000.	369050000.	-30177301.	1
76	30.0	30.8	-0.8	11300000.	339000000.	348040000.	-38267087.	1

RIAS: 0.93 BU/AC
RMSF: 3.53 BU/AC

SUM: 7
REJECT 90/90

(l) Oklahoma winter wheat aggregation

YR	Y (SRS)	Y (KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	17.8	21.4	-3.6	4550900.	80929900.	67389260.	-2352207.	1
68	24.7	25.2	-0.5	4681500.	115564000.	117973800.	-21868939.	1
69	29.2	28.4	0.8	3633500.	106213000.	103191400.	-19778050.	1
70	27.3	27.0	0.3	3222500.	87929500.	87007500.	-18954509.	1
71	20.5	23.3	-2.8	2858000.	58644000.	66591400.	-9879250.	1
72	23.6	27.1	-3.5	3279000.	77285000.	88860900.	-8023437.	1
73	31.1	28.1	3.0	4241500.	131911400.	119186150.	-15965212.	1
74	23.0	25.6	-2.6	5243900.	120806000.	134243840.	-12513494.	1
75	25.6	26.3	-0.7	5584190.	142754360.	146864197.	-26725708.	1
76	24.4	27.0	-2.6	5523500.	134968000.	149134500.	-15683323.	1

RIAS: -1.22 BU/AC
RMSF: 2.39 BU/AC

SUM: 10
ACCEPT 90/90

TABLE 11.— Concluded.

(m) Texas-Oklahoma Panhandle winter wheat aggregation

YR	Y (SRS)	Y (KSU)	FRROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	15.7	24.7	-9.0	2513300.	39385700.	62078510.	9569610.	0
68	20.8	21.7	-0.9	2656000.	55156000.	57635200.	-14293819.	1
69	25.0	21.2	3.8	2219700.	55498150.	47057640.	-8040302.	1
70	23.2	22.5	0.7	1875100.	43545000.	42189750.	-12632310.	1
71	21.5	19.5	2.0	1759500.	37910000.	34310250.	-10733175.	1
72	22.9	23.3	-0.4	1792800.	41047000.	41772240.	-13558255.	1
73	29.8	29.6	0.2	3193500.	95253000.	94527600.	-23654713.	1
74	13.8	20.9	-7.1	2801000.	38575000.	58540900.	5301361.	0
75	22.9	23.1	-0.2	4154000.	95283000.	95957400.	-24508664.	1
76	23.9	22.7	1.2	2872000.	68769000.	65194400.	-17732420.	1

BIAS: -0.96 BU/AC

SUM: 8

RMSE: 3.93 BU/AC

ACCEPT 90/90

(n) Texas lower plains winter wheat aggregation

YR	Y (SRS)	Y (KSU)	ERROR	ACREAGE	PROD(SRS)	PROD(KSU)	Z	PSI(Z)
67	14.5	16.5	-2.0	1354500.	19601400.	22349250.	-6510082.	1
68	19.9	21.9	-2.0	1653000.	32940000.	36200700.	-9701438.	1
69	21.5	22.1	-0.6	1219100.	26242150.	26942110.	-10632888.	1
70	22.7	23.8	-1.1	915500.	20799000.	21788900.	-8677152.	1
71	13.6	18.9	-5.3	437500.	5943000.	8268750.	-3349184.	1
72	18.6	19.8	-1.2	712000.	13215000.	14097600.	-7221921.	1
73	24.9	24.1	0.8	1013300.	25212000.	24420530.	-11751490.	1
74	17.1	17.4	-0.3	1395000.	23875000.	24273000.	-11138847.	1
75	20.1	22.6	-2.5	2240000.	44920000.	50624000.	-11587025.	1
76	18.9	17.1	1.8	2300000.	43370000.	39330000.	-12880807.	1

BIAS: -1.25 BU/AC

SUM: 10

RMSE: 2.23 BU/AC

ACCEPT 90/90

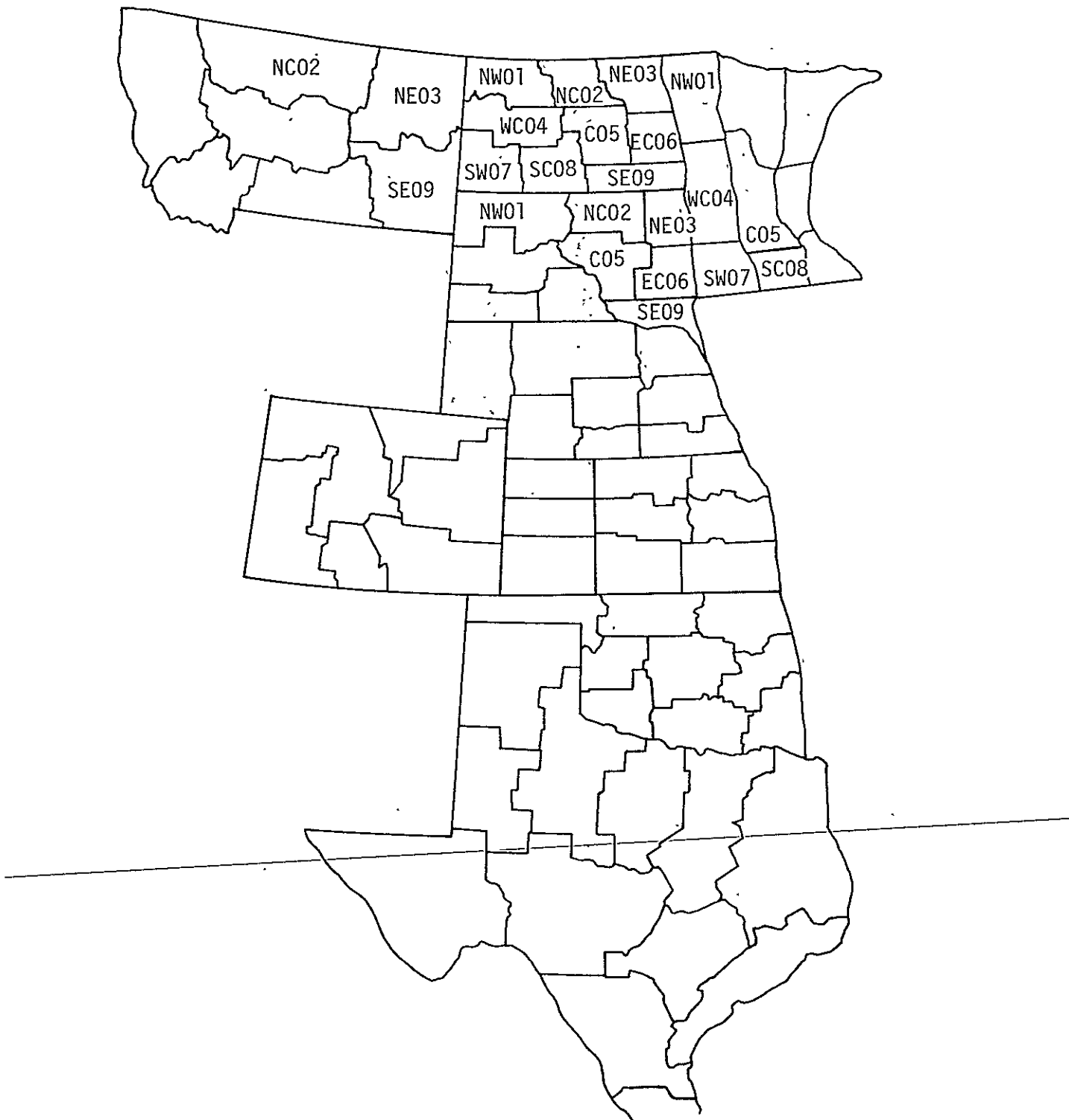


Figure 9.— Map of the CRD's used to test the Feyerherm spring wheat model.

C.J.

TABLE 12.— COMPARISON OF FEYERHERM SPRING WHEAT MODEL

(a) Aggregation to Statistical Reporting
Service (SRS) yields

YR	SRS	ESTY	ERROR	ACREAGE	PRODUCTION
65	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0
73	20.8	17.9	2.9	9701880.0	201927088.0
74	21.6	18.9	2.7	10642080.0	230158768.0
75	24.1	21.8	2.3	10855080.0	262102448.0
76	21.9	19.5	2.5	10408430.0	228265728.0
67	22.9	20.3	2.5	12529670.0	286655232.0
68	26.1	27.8	-1.7	12271270.0	320060416.0
69	28.4	27.6	0.8	10134400.0	288167680.0
70	23.5	23.4	0.1	10279070.0	241087696.0
71	30.6	26.3	4.3	14378190.0	440278016.0
72	28.5	31.0	-2.5	11819270.0	336961536.0
73	27.7	26.0	1.7	14065690.0	389581568.0
74	20.8	21.5	-0.7	17021472.0	353949440.0
75	25.7	25.0	0.7	16750900.0	430182400.0
76	25.3	27.2	-2.0	19345744.0	488587776.0
		1967-1976			
		MEAN ERROR	0.34		
		RMSE	2.07		

TABLE 12.— Continued.

(b) Montana aggregation to SRS yields

YR	SRS	ESTY	ERROR	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0
63	20.8	19.2	1.6	1824300.0	37946176.0
64	20.0	17.7	2.3	1934400.0	38729680.0
65	20.5	16.8	3.7	1698600.0	34816576.0
66	21.9	16.9	5.0	1530600.0	33480000.0
67	17.7	20.0	-2.3	1839000.0	32503488.0
68	21.5	24.2	-2.7	1719500.0	36910976.0
69	27.4	23.5	4.0	1280000.0	35100992.0
70	23.6	20.2	3.4	1733500.0	40962880.0
71	22.9	22.3	0.6	2298000.0	52604064.0
72	26.4	29.3	-2.9	1802800.0	47642176.0
73	21.1	23.4	-2.3	1873700.0	39517280.0
74	18.8	20.9	-2.1	2092400.0	39332592.0
75	25.5	22.9	2.7	1885000.0	48253696.0
76	29.1	28.7	0.5	2176800.0	63416976.0
		1967-1976			
		MEAN ERROR	-0.10		
		RMSE	2.57		

TABLE 12.- Continued.

(c) Montana in CRD NC02 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MT	NC02		55.	0.98	0.0	30.0	0.0	0.97	0.03	21.9	24.5	39.9	0.09	SW	577300.0	14605690.0
MT	NC02		56.	0.98	0.0	31.0	0.0	0.98	0.02	22.1	23.6	43.0	0.09	SW	577300.0	13682010.0
MT	NC02		57.	0.98	0.0	32.0	0.0	0.98	0.02	21.7	24.0	40.7	0.09	SW	577300.0	9409990.0
MT	NC02		58.	0.98	0.0	33.0	0.0	0.98	0.02	22.4	33.0	51.7	0.09	SW	577300.0	10567530.0
MT	NC02		59.	0.98	0.0	34.0	0.0	0.98	0.02	19.7	19.7	39.9	0.09	SW	577300.0	10633330.0
MT	NC02		60.	0.99	0.0	35.0	0.0	0.98	0.02	13.7	15.0	32.2	0.09	SW	603500.0	8337570.0
MT	NC02		61.	0.99	0.0	36.0	0.0	0.98	0.02	11.7	18.7	33.3	0.09	SW	472800.0	5322480.0
MT	NC02		62.	1.00	0.0	37.0	0.0	0.98	0.02	26.0	26.0	39.6	0.09	SW	655600.0	10438780.0
MT	NC02		63.	1.00	0.0	38.0	0.0	0.98	0.02	26.1	28.3	41.1	0.09	SW	700400.0	10633390.0
MT	NC02		64.	1.00	0.0	39.0	0.0	0.99	0.01	26.6	27.7	38.4	0.09	SW	793000.0	16223380.0
MT	NC02		65.	1.03	0.0	40.0	0.0	0.98	0.02	24.4	27.6	41.0	0.09	SW	426000.0	1012980.0
MT	NC02		66.	1.04	0.0	41.0	0.0	0.98	0.02	19.5	19.4	36.6	0.09	SW	454000.0	1198880.0
MT	NC02		67.	1.05	0.0	42.0	0.0	0.99	0.01	19.1	19.8	34.4	0.09	SW	554980.0	896390.0
MT	NC02		68.	1.03	0.0	43.0	0.0	0.99	0.01	26.4	26.5	43.3	0.09	SW	5337500.0	1259690.0
MT	NC02		69.	1.10	0.0	44.0	0.0	0.98	0.02	25.4	27.6	44.4	0.09	SW	722100.0	710400.0
MT	NC02		70.	1.10	0.0	45.0	0.0	0.99	0.01	29.9	28.8	35.5	0.09	SW	696500.0	19114288.0
MT	NC02		71.	1.11	0.0	46.0	0.0	0.99	0.01	20.4	20.8	36.8	0.09	SW	985000.0	22705588.0
MT	NC02		72.	1.12	0.0	47.0	0.0	0.99	0.01	11.1	19.4	47.4	0.09	SW	722100.0	16207400.0
MT	NC02		73.	1.12	0.0	48.0	0.0	0.99	0.01	18.9	19.4	39.9	0.09	SW	555000.0	7958100.0
MT	NC02		74.	1.12	0.0	48.0	0.0	0.91	0.09	28.9	28.8	33.4	0.09	SW	655000.0	10948500.0
MT	NC02		75.	1.12	0.0	48.0	0.0	0.90	0.10	28.8	28.8	33.3	0.09	SW	510600.0	1396000.0
MT	NC02		76.	1.11	0.0	48.0	0.07	0.89	0.04	32.5	33.6	46.4	0.09	SW	718600.0	21646192.0
MT	NC02		99.	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

MTXC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	24.5	25.3	0.0	0.0	0.0	0.0	0.0	577300.0	14605690.0
56	23.6	23.7	0.0	0.0	0.0	0.0	0.0	577300.0	13682010.0
57	23.9	16.3	0.0	0.0	0.0	0.0	0.0	577300.0	9409990.0
58	23.3	18.3	0.0	0.0	0.0	0.0	0.0	577300.0	10567530.0
59	19.3	18.4	0.0	0.0	0.0	0.0	0.0	577300.0	10633330.0
60	15.3	14.7	0.0	0.0	0.0	0.0	0.0	603500.0	8337570.0
61	18.9	11.3	0.0	0.0	0.0	0.0	0.0	472800.0	5322480.0
62	26.5	16.0	0.0	0.0	0.0	0.0	0.0	655600.0	10438780.0
63	26.6	15.2	2.7	26.46	1.1	6.44	0.00	700400.0	10633390.0
64	27.2	20.5	18.5	18.79	1.9	4.90	0.00	793000.0	16223380.0
65	27.4	23.8	18.0	10.11	0.8	4.27	0.00	426000.0	1012980.0
66	23.8	26.4	16.9	14.59	0.8	4.98	0.00	454000.0	1198880.0
67	21.2	25.3	17.1	25.33	0.8	6.55	0.00	5337500.0	1259690.0
68	30.5	23.5	21.5	31.27	1.1	6.20	0.00	5335000.0	710400.0
69	31.0	25.8	21.8	31.39	2.4	6.35	0.00	275000.0	19114288.0
70	29.3	27.4	22.0	33.81	0.4	7.41	0.00	696500.0	22705588.0
71	27.1	23.1	22.2	21.48	0.8	6.67	0.00	985000.0	16207400.0
72	38.6	22.4	29.1	26.56	0.8	9.75	0.00	722100.0	7958100.0
73	22.5	14.3	20.5	18.52	0.2	9.29	0.00	555000.0	10948500.0
74	24.3	16.8	20.6	26.03	0.8	3.42	0.00	655000.0	10948500.0
75	33.3	27.3	23.8	16.93	3.5	7.18	0.00	510600.0	1396000.0
76	42.1	30.1	28.9	30.14	1.3	7.80	0.00	718600.0	21646192.0

1967-1976
MEAN ERROR -0.04
RMSE 4.02

TABLE 12.- Continued.

(d) Montana in CRD NE03 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MT	NE03	55.	0.98	0.00	30.	0.00	0.99	0.01	12.9	14.3	30.0	0.09	SW	999400.0	19488288.0	
MT	NE03	56.	0.98	0.00	31.	0.00	0.99	0.01	14.7	16.3	31.5	0.09	SW	999400.0	11393160.0	
MT	NE03	57.	0.98	0.00	32.	0.00	0.99	0.01	14.0	14.5	29.3	0.09	SW	999400.0	14991000.0	
MT	NE03	58.	0.98	0.00	33.	0.00	0.99	0.01	23.7	25.5	45.8	0.09	SW	999400.0	13591840.0	
MT	NE03	59.	0.98	0.00	34.	0.00	0.99	0.01	11.8	11.5	29.5	0.09	SW	999400.0	11692980.0	
MT	NE03	60.	0.99	0.00	35.	0.00	0.99	0.01	12.6	13.5	31.5	0.09	SW	1147000.0	20952192.0	
MT	NE03	61.	0.99	0.00	36.	0.00	0.99	0.01	9.7	10.0	24.5	0.09	SW	956900.0	7260200.0	
MT	NE03	62.	1.00	0.00	37.	0.00	0.99	0.01	20.0	20.0	36.6	0.09	SW	894300.0	24814288.0	
MT	NE03	63.	1.00	0.00	38.	0.00	0.99	0.01	17.5	17.5	32.5	0.09	SW	1043900.0	25762496.0	
MT	NE03	64.	1.00	0.00	39.	0.00	0.99	0.01	16.9	16.9	32.5	0.09	SW	1048500.0	20910400.0	
MT	NE03	65.	1.03	0.00	40.	0.00	0.99	0.01	12.5	14.0	26.0	0.09	SW	1173500.0	23157696.0	
MT	NE03	66.	1.04	0.00	41.	0.00	0.99	0.01	22.2	25.5	28.9	0.09	SW	997900.0	20157600.0	
MT	NE03	67.	1.05	0.00	42.	0.00	0.99	0.01	22.2	25.5	28.9	0.09	SW	1202900.0	216884592.0	
MT	NE03	68.	1.13	0.00	43.	0.00	0.99	0.01	29.5	33.7	39.3	0.09	SW	1100000.0	2252592.0	
MT	NE03	69.	1.10	0.00	44.	0.00	0.99	0.01	29.5	33.7	39.3	0.09	SW	942000.0	26616992.0	
MT	NE03	70.	1.10	0.00	45.	0.00	0.99	0.01	10.4	13.5	22.7	0.09	SW	950000.0	23157696.0	
MT	NE03	71.	1.11	0.00	46.	0.00	0.99	0.01	15.4	19.8	34.4	0.09	SW	1213000.0	27335088.0	
MT	NE03	72.	1.12	0.00	47.	0.00	0.99	0.01	13.3	17.7	38.3	0.09	SW	1020000.0	29568496.0	
MT	NE03	73.	1.12	0.00	48.	0.00	0.99	0.01	19.5	22.4	34.0	0.09	SW	1243900.0	29715696.0	
MT	NE03	74.	1.12	0.00	49.	0.00	0.99	0.01	14.9	18.1	29.1	0.09	SW	1309400.0	25353696.0	
MT	NE03	75.	1.12	0.00	50.	0.00	0.99	0.01	14.7	18.1	29.9	0.09	SW	1261600.0	31644800.0	
MT	NE03	76.	1.11	0.00	51.	0.00	0.99	0.01	16.7	21.9	36.5	0.09	SW	1348500.0	38994496.0	
MT	NE	99.	0.50	0.00	0.	0.00	0.00	0.00	0.0	0.0	0.0	0.0	SW	0.0	0.0	

MTNE

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	14.2	19.5	0.0	0.0	0.0	0.0	0.0	999400.0	19488288.0
56	16.6	11.4	0.0	0.0	0.0	0.0	0.0	999400.0	11393160.0
57	14.4	15.0	0.0	0.0	0.0	0.0	0.0	999400.0	14991000.0
58	25.0	13.6	0.0	0.0	0.0	0.0	0.0	999400.0	13591840.0
59	12.4	11.7	0.0	0.0	0.0	0.0	0.0	999400.0	11692980.0
60	13.7	15.3	0.0	0.0	0.0	0.0	0.0	1147000.0	20952192.0
61	7.6	7.6	0.0	0.0	0.0	0.0	0.0	956900.0	7260200.0
62	27.7	27.7	0.0	0.0	0.0	0.0	0.0	894300.0	24814288.0
63	21.6	24.7	13.5	4.7	0.0	7.6	0.0	1043900.0	25762496.0
64	19.9	19.9	17.4	4.2	0.0	8.3	0.0	1048500.0	20910400.0
65	19.7	16.5	16.5	3.7	0.0	7.3	0.0	1173500.0	23157696.0
66	20.2	17.2	17.2	3.7	0.0	9.9	0.0	997900.0	20157600.0
67	20.2	21.4	21.4	3.2	1.1	6.4	0.0	1202900.0	216884592.0
68	29.5	25.6	25.6	3.2	1.1	4.4	0.0	1100000.0	2252592.0
69	29.3	24.1	24.1	3.2	1.1	2.2	0.0	942000.0	26616992.0
70	19.9	19.9	19.9	3.0	0.0	1.3	0.0	950000.0	23157696.0
71	27.7	27.7	27.7	3.0	0.0	1.3	0.0	1213000.0	27335088.0
72	33.0	29.5	29.5	4.8	1.1	5.1	0.0	1020000.0	29568496.0
73	33.0	29.9	29.9	4.8	1.1	5.1	0.0	1243900.0	29715696.0
74	20.4	20.4	20.4	3.0	1.1	7.7	0.0	1309400.0	25353696.0
75	25.1	22.4	22.4	3.0	0.0	7.7	0.0	1261600.0	31644800.0
76	28.9	28.6	28.6	6.0	0.3	14.3	0.0	1348500.0	38994496.0

1967-1976
MEAN ERROR -0.24
RMSE 2.70

TABLE 12.— Continued.

(e) Montana in CRD SE09 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MT	SE09		55.	0.98	0.	30.	0.0	0.99	0.01	13.8	14.5	29.8	0.09	SW	86700.0	1265820.0
MT	SE09		56.	0.98	0.	31.	0.0	0.98	0.02	13.5	16.0	27.1	0.09	SW	86700.0	580890.0
MT	SE09		57.	0.98	0.	32.	0.0	0.98	0.02	14.8	15.0	30.5	0.09	SW	86700.0	1257150.0
MT	SE09		58.	0.98	0.	33.	0.0	0.97	0.03	25.3	26.7	45.0	0.09	SW	86700.0	1655970.0
MT	SE09		59.	0.98	0.	34.	0.0	0.97	0.03	12.1	13.2	28.2	0.09	SW	86700.0	901680.0
MT	SE09		60.	0.99	0.	35.	0.0	0.96	0.04	12.5	14.1	32.4	0.09	SW	96600.0	1361400.0
MT	SE09		61.	0.99	0.	35.	0.0	0.96	0.04	9.1	10.0	33.3	0.09	SW	99700.0	637500.0
MT	SE09		62.	1.00	0.	37.	0.0	0.96	0.04	21.2	21.3	37.0	0.09	SW	63800.0	1385600.0
MT	SE09		63.	1.00	0.	38.	0.0	0.95	0.05	17.1	21.6	32.2	0.09	SW	80000.0	1547800.0
MT	SE09		64.	1.00	0.	39.	0.0	0.95	0.05	15.4	17.9	33.7	0.09	SW	92900.0	1595500.0
MT	SE09		65.	1.03	2.	40.	0.0	0.96	0.04	12.2	14.9	36.4	0.09	SW	99100.0	1529900.0
MT	SE09		66.	1.04	2.	41.	0.0	0.96	0.04	9.5	11.3	28.1	0.09	SW	78700.0	1333600.0
MT	SE09		67.	1.05	2.	42.	0.0	0.97	0.03	20.9	21.4	37.8	0.09	SW	86300.0	1856000.0
MT	SE09		68.	1.13	3.	43.	0.0	0.98	0.02	19.8	24.8	36.8	0.09	SW	84500.0	2061500.0
MT	SE09		69.	1.10	3.	44.	0.0	0.97	0.03	23.5	23.6	36.4	0.09	SW	63000.0	1380000.0
MT	SE09		70.	1.10	3.	45.	0.0	0.98	0.02	9.4	12.3	23.1	0.09	SW	87000.0	1722200.0
MT	SE09		71.	1.11	5.	46.	0.0	0.98	0.02	14.1	18.1	33.9	0.09	SW	100000.0	2563100.0
MT	SE09		72.	1.12	7.	47.	0.0	0.95	0.05	29.8	30.7	36.8	0.09	SW	60700.0	1866300.0
MT	SE09		73.	1.12	5.	48.	0.0	0.97	0.03	18.1	21.9	32.0	0.09	SW	74800.0	1843500.0
MT	SE09		74.	1.12	5.	48.	0.0	0.98	0.02	14.2	17.2	29.4	0.09	SW	129400.0	3030400.0
MT	SE09		75.	1.12	5.	48.	0.0	0.95	0.05	19.4	20.1	28.7	0.09	SW	112800.0	2648900.0
MT	SE09		76.	1.11	5.	48.	0.32	0.60	0.68	25.4	29.6	35.5	0.09	SW	109700.0	2776300.0
MT	MTSE		98.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

MTSE

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	14.4	14.6	0.0	0.0	0.0	0.0	0.0	86700.0	1265820.0
56	16.0	6.7	0.0	0.0	0.0	0.0	0.0	86700.0	580890.0
57	15.1	14.5	0.0	0.0	0.0	0.0	0.0	86700.0	1257150.0
58	26.8	19.1	0.0	0.0	0.0	0.0	0.0	86700.0	1655970.0
59	13.5	10.4	0.0	0.0	0.0	0.0	0.0	86700.0	901680.0
60	14.8	14.1	0.0	0.0	0.0	0.0	0.0	96600.0	1361400.0
61	10.6	6.4	0.0	0.0	0.0	0.0	0.0	99700.0	637500.0
62	22.1	21.7	0.0	0.0	0.0	0.0	0.0	63800.0	1385600.0
63	22.3	19.3	16.3	19.75	3.1	5.12	0.500	80000.0	1547800.0
64	18.9	17.2	14.7	17.73	2.5	5.22	0.500	92900.0	1595500.0
65	16.1	15.4	14.4	10.10	1.0	6.35	0.500	99100.0	1529900.0
66	12.8	16.9	12.8	11.46	4.2	6.39	0.500	78700.0	1333600.0
67	23.3	21.5	18.6	16.85	2.9	7.00	0.500	86300.0	1856000.0
68	26.7	24.4	22.1	19.62	2.3	7.78	0.500	84500.0	2061500.0
69	26.8	21.9	21.6	14.06	0.3	8.20	0.500	63000.0	1380000.0
70	14.1	19.8	16.2	2.56	3.7	9.12	0.500	87000.0	1722200.0
71	21.0	25.6	19.9	3.70	5.6	9.37	0.500	100000.0	2563100.0
72	35.6	30.7	28.1	15.99	2.7	10.24	0.500	60700.0	1866300.0
73	25.5	24.6	23.6	7.74	1.0	10.89	0.500	74800.0	1843500.0
74	20.1	23.4	21.5	5.38	1.9	11.46	0.500	129400.0	3030400.0
75	23.7	23.5	23.7	5.55	-0.2	11.81	0.500	112800.0	2648900.0
76	32.7	25.3	28.4	6.01	-3.1	12.03	0.500	109700.0	2776300.0

1967-1976
MEAN ERROR 1.71
RMSE 2.84

TABLE 12.— Continued.

(f) North Dakota aggregation to SRS yields

ND	SRS	ESTY	ERROR	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0
63	21.1	16.2	4.9	4161000.0	87749456.0
64	22.2	19.0	3.2	4605100.0	102229936.0
65	24.4	21.3	3.1	4955000.0	120760944.0
66	22.5	20.0	2.5	4793000.0	107862464.0
67	20.1	18.3	1.8	5794000.0	116670448.0
68	24.7	28.8	-4.1	5745000.0	141922960.0
69	28.5	27.5	1.0	4972000.0	141783968.0
70	21.9	23.0	-1.1	4691600.0	102850544.0
71	29.9	25.5	4.4	6368200.0	190700336.0
72	27.9	30.6	-2.7	5201500.0	145159952.0
73	26.3	25.2	1.1	6067000.0	159738464.0
74	19.3	18.4	0.9	7138000.0	137492368.0
75	24.0	22.9	1.1	7017400.0	168367552.0
76	22.7	26.2	-3.5	8025400.0	181939744.0
1967-1976					
MEAN ERROR			-0.10		
RMSE			2.53		

TABLE 12.- Continued.

(g) North Dakota in CRD NW01 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	NW01	55.	1.11	0.0	0.0	0.19	0.81	0.0	25.0	26.0	35.4	0.09	SW	885667.0	15676300.0	
ND	NW01	56.	1.12	0.0	0.0	0.22	0.78	0.0	25.1	29.8	36.1	0.09	SW	885667.0	16207700.0	
ND	NW01	57.	1.13	0.0	0.0	0.13	0.87	0.0	15.6	17.5	35.0	0.09	SW	885667.0	15056333.0	
ND	NW01	58.	1.13	0.0	0.0	0.08	0.92	0.0	28.5	31.1	41.9	0.09	SW	885667.0	14879200.0	
ND	NW01	59.	1.13	0.0	0.0	0.08	0.92	0.0	17.1	20.5	31.4	0.09	SW	885667.0	11690800.0	
ND	NW01	60.	1.13	0.0	0.0	0.08	0.92	0.0	18.2	18.2	29.4	0.09	SW	885667.0	17004800.0	
ND	NW01	61.	1.13	0.0	0.0	0.04	0.96	0.0	25.6	25.4	30.0	0.09	SW	867000.0	5963000.0	
ND	NW01	62.	1.13	0.0	0.0	0.04	0.96	0.0	22.9	22.9	35.7	0.09	SW	861000.0	26752992.0	
ND	NW01	63.	1.13	0.0	0.0	0.02	0.98	0.0	17.8	19.3	33.0	0.09	SW	929000.0	24200992.0	
ND	NW01	64.	1.13	0.0	0.0	0.03	0.97	0.0	24.1	24.1	37.7	0.09	SW	997600.0	25317168.0	
ND	NW01	65.	1.13	1.1	0.0	0.04	0.96	0.0	24.4	24.4	31.5	0.09	SW	1128000.0	30483488.0	
ND	NW01	66.	1.13	0.0	0.0	0.04	0.96	0.0	22.8	22.8	33.3	0.09	SW	1088000.0	27523488.0	
ND	NW01	67.	1.13	2.2	0.0	0.07	0.93	0.0	15.9	17.8	33.3	0.09	SW	1347000.0	24158992.0	
ND	NW01	68.	1.14	2.2	0.0	0.07	0.93	0.0	33.6	38.0	46.5	0.09	SW	1343000.0	31246000.0	
ND	NW01	69.	1.14	3.4	0.0	0.04	0.96	0.0	20.0	21.7	48.1	0.09	SW	1263000.0	40110992.0	
ND	NW01	70.	1.15	4.3	0.0	0.03	0.97	0.0	20.5	21.1	29.1	0.09	SW	1177300.0	28304800.0	
ND	NW01	71.	1.16	4.5	0.0	0.05	0.95	0.0	26.9	29.2	34.4	0.09	SW	1544000.0	45880288.0	
ND	NW01	72.	1.15	5.4	0.0	0.04	0.96	0.0	27.9	28.0	44.9	0.09	SW	1276000.0	37735792.0	
ND	NW01	73.	1.15	6.6	0.0	0.05	0.95	0.0	27.3	33.8	39.7	0.09	SW	1522000.0	45534000.0	
ND	NW01	74.	1.15	6.6	0.0	0.12	0.88	0.0	15.7	17.2	26.0	0.09	SW	1619000.0	35447696.0	
ND	NW01	75.	1.17	6.6	0.0	0.12	0.88	0.0	22.4	22.3	28.5	0.09	SW	1542400.0	38400496.0	
ND	NW01	76.	1.17	6.6	0.0	0.12	0.88	0.0	29.0	31.5	37.7	0.09	SW	1746300.0	45617296.0	
ND	NW01	99.	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0	

NONW

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	32.8	117.7	0.0	0.0	0.0	0.0	0.0	885667.0	15676300.0
56	19.8	118.3	0.0	0.0	0.0	0.0	0.0	885667.0	16207700.0
57	25.5	117.0	0.0	0.0	0.0	0.0	0.0	885667.0	15056333.0
58	25.9	116.8	0.0	0.0	0.0	0.0	0.0	885667.0	14879200.0
59	20.6	113.6	0.0	0.0	0.0	0.0	0.0	885667.0	11690800.0
60	20.6	119.2	0.0	0.0	0.0	0.0	0.0	885667.0	17004800.0
61	21.6	111.9	0.0	0.0	0.0	0.0	0.0	867000.0	5963000.0
62	21.5	111.1	0.0	0.0	0.0	0.0	0.0	861000.0	26752992.0
63	21.8	116.6	1.5	4.4	5.9	5.25	0.500	929000.0	24200992.0
64	21.7	115.6	2.0	5.8	5.9	6.73	0.500	997600.0	25317168.0
65	21.8	117.7	2.2	5.9	5.1	7.94	0.500	1128000.0	30483488.0
66	21.8	117.5	2.3	5.5	1.1	8.66	0.500	1088000.0	27523488.0
67	21.7	117.3	2.3	4.4	1.1	10.04	0.500	1347000.0	24158992.0
68	21.3	117.3	2.2	4.4	1.1	10.80	0.500	1343000.0	31246000.0
69	21.7	117.3	2.1	4.4	1.1	9.89	0.500	1263000.0	40110992.0
70	21.5	117.3	2.1	4.4	1.1	11.38	0.500	1177300.0	28304800.0
71	21.5	117.3	2.1	4.4	1.1	10.54	0.500	1544000.0	45880288.0
72	21.6	117.3	2.3	4.4	1.1	10.22	0.500	1276000.0	37735792.0
73	21.8	117.3	2.3	4.4	1.1	9.67	0.500	1522000.0	45534000.0
74	21.9	117.3	2.2	4.4	1.1	9.41	0.500	1619000.0	35447696.0
75	21.7	117.3	2.3	4.4	1.1	9.59	0.500	1542400.0	38400496.0
76	21.7	117.3	2.3	4.4	1.1	10.05	0.500	1746300.0	45617296.0

1967-1976
MEAN ERROR -0.58
RMSE 3.56

TABLE 12.— Continued.

(h) North Dakota in CRD NC02 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	NC02		55.	1.10	0.0	0.0	0.57	0.43	0.0	27.6	29.2	36.2	0.09	SW	679333.0	9850300.0
ND	NC02		56.	1.10	0.0	0.0	0.56	0.44	0.0	25.7	29.8	37.2	0.09	SW	679333.0	11820400.0
ND	NC02		57.	1.10	0.0	0.0	0.43	0.57	0.0	17.2	20.3	33.9	0.09	SW	679333.0	10257933.0
ND	NC02		58.	1.10	0.0	0.0	0.25	0.75	0.0	30.1	31.7	41.0	0.09	SW	679333.0	13450800.0
ND	NC02		59.	1.10	0.0	0.0	0.22	0.78	0.0	16.9	20.8	30.6	0.09	SW	679333.0	9986200.0
ND	NC02		60.	1.10	0.0	0.0	0.26	0.74	0.0	20.8	21.2	29.7	0.09	SW	679333.0	13247000.0
ND	NC02		61.	1.10	0.0	0.0	0.20	0.80	0.0	5.5	11.0	32.7	0.09	SW	632000.0	5259500.0
ND	NC02		62.	1.10	0.0	0.0	0.18	0.82	0.0	20.9	20.9	32.1	0.09	SW	722000.0	22229488.0
ND	NC02		63.	1.10	0.0	0.0	0.13	0.87	0.0	18.7	19.2	31.9	0.09	SW	684000.0	15983000.0
ND	NC02		64.	1.10	3.3	0.0	0.13	0.87	0.0	24.3	25.0	37.2	0.09	SW	735800.0	19403440.0
ND	NC02		65.	1.10	3.3	0.0	0.12	0.88	0.0	27.5	28.8	35.5	0.09	SW	806000.0	21137488.0
ND	NC02		66.	1.11	3.3	0.0	0.15	0.85	0.0	22.1	24.6	33.0	0.09	SW	761000.0	18748000.0
ND	NC02		67.	1.12	4.4	0.0	0.19	0.81	0.0	12.3	14.2	35.6	0.09	SW	923000.0	19152000.0
ND	NC02		68.	1.13	4.4	0.0	0.20	0.80	0.0	34.5	37.0	46.5	0.09	SW	953000.0	23366992.0
ND	NC02		69.	1.13	7.7	0.0	0.12	0.88	0.0	30.8	34.3	46.6	0.09	SW	838000.0	25336000.0
ND	NC02		70.	1.15	8.8	0.0	0.07	0.93	0.0	22.1	23.6	33.8	0.09	SW	823000.0	18294992.0
ND	NC02		71.	1.15	8.8	0.0	0.14	0.86	0.0	27.9	29.6	35.2	0.09	SW	1081500.0	33239792.0
ND	NC02		72.	1.14	9.9	0.0	0.13	0.87	0.0	35.2	35.0	42.8	0.09	SW	853500.0	24352288.0
ND	NC02		73.	1.15	11.0	0.0	0.10	0.90	0.0	22.4	24.5	37.4	0.09	SW	945000.0	277750992.0
ND	NC02		74.	1.16	11.0	0.0	0.22	0.78	0.0	15.8	15.9	29.6	0.09	SW	1102200.0	21015088.0
ND	NC02		75.	1.17	11.0	0.0	0.22	0.78	0.0	23.4	22.6	29.8	0.09	SW	1116500.0	27206592.0
ND	NC02		76.	0.50	11.0	0.0	0.22	0.78	0.0	27.9	29.4	36.1	0.09	SW	1237900.0	30109888.0
ND	NC02		99.	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

NDNC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	31.1	14.5	0.0	0.0	0.0	0.0	0.0	679333.0	9850300.0
56	30.3	17.4	0.0	0.0	0.0	0.0	0.0	679333.0	11820400.0
57	20.9	15.1	0.0	0.0	0.0	0.0	0.0	679333.0	10257933.0
58	34.4	19.8	0.0	0.0	0.0	0.0	0.0	679333.0	13450800.0
59	21.9	14.7	0.0	0.0	0.0	0.0	0.0	679333.0	9986200.0
60	23.2	19.5	0.0	0.0	0.0	0.0	0.0	679333.0	13247000.0
61	10.9	8.3	0.0	0.0	0.0	0.0	0.0	632000.0	5259500.0
62	22.9	30.8	0.0	0.0	0.0	0.0	0.0	722000.0	22229488.0
63	21.0	23.4	15.8	46.38	7.6	5.29	0.500	684000.0	15983000.0
64	27.7	26.4	20.9	46.42	5.5	7.03	0.500	735800.0	19403440.0
65	31.8	26.2	24.2	53.95	2.0	8.31	0.500	806000.0	21137488.0
66	27.2	24.6	22.6	41.61	2.0	9.02	0.500	761000.0	18748000.0
67	15.9	20.7	18.0	39.73	0.0	10.07	0.500	923000.0	19152000.0
68	41.7	24.5	32.0	55.39	-7.5	11.21	0.500	953000.0	23366992.0
69	39.0	30.2	30.2	43.29	0.1	10.68	0.500	838000.0	25336000.0
70	27.4	22.7	25.4	21.58	-3.1	11.66	0.500	823000.0	18294992.0
71	34.6	30.0	27.6	11.54	3.1	10.31	0.500	1081500.0	33239792.0
72	40.9	28.5	30.8	14.02	-2.3	10.38	0.500	853500.0	24352288.0
73	32.3	29.4	26.0	11.12	0.4	9.83	0.500	945000.0	277750992.0
74	19.5	19.1	19.9	16.85	-0.9	10.19	0.500	1102200.0	21015088.0
75	27.7	24.4	23.8	13.03	0.5	9.98	0.500	1116500.0	27206592.0
76	35.1	24.3	27.2	11.51	-2.9	9.70	0.500	1237900.0	30109888.0

1967-1976
MEAN ERROR -0.69
RMSE 3.31

TABLE 12.— Continued.

(i) North Dakota in CRD WC04 to SRS yields

STATE	CPD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	WC04		55	1	0	0	0.42	0.58	0.0	22.6	25.2	34.6	0.09	SW	520667.0	8382733.0
ND	WC04		56	1	0	0	0.51	0.49	0.0	21.3	24.7	30.6	0.09	SW	520667.0	7862067.0
ND	WC04		57	1	0	0	0.42	0.58	0.0	14.8	17.0	33.7	0.09	SW	520667.0	9267867.0
ND	WC04		58	1	0	0	0.39	0.61	0.0	27.3	29.6	43.3	0.09	SW	520667.0	10569533.0
ND	WC04		59	1	0	0	0.41	0.59	0.0	16.4	19.0	29.5	0.09	SW	520667.0	5727333.0
ND	WC04		60	1	0	0	0.39	0.61	0.0	14.7	14.9	28.3	0.09	SW	520667.0	9007533.0
ND	WC04		61	1	0	0	0.31	0.69	0.0	8.1	10.4	28.5	0.09	SW	517000.0	3649000.0
ND	WC04		62	1	0	0	0.27	0.73	0.0	19.8	20.3	34.7	0.09	SW	514500.0	15664900.0
ND	WC04		63	1	0	0	0.19	0.81	0.0	16.7	18.4	31.4	0.09	SW	530500.0	11483450.0
ND	WC04		64	1	0	0	0.20	0.80	0.0	20.2	22.1	35.5	0.09	SW	571100.0	12378790.0
ND	WC04		65	1	0	0	0.18	0.82	0.0	21.5	22.8	30.7	0.09	SW	642000.0	16251000.0
ND	WC04		66	1	0	0	0.19	0.81	0.0	19.0	23.1	30.4	0.09	SW	611000.0	13494250.0
ND	WC04		67	1	0	0	0.21	0.79	0.0	14.3	16.4	36.3	0.09	SW	760500.0	15447500.0
ND	WC04		68	1	0	0	0.22	0.78	0.0	29.0	33.0	45.3	0.09	SW	743000.0	17511792.0
ND	WC04		69	1	0	0	0.15	0.85	0.0	27.9	29.8	45.8	0.09	SW	624300.0	17314000.0
ND	WC04		70	1	0	0	0.08	0.92	0.0	17.7	19.9	28.8	0.09	SW	754400.0	20864288.0
ND	WC04		71	1	0	0	0.11	0.89	0.0	23.2	27.0	35.5	0.09	SW	754400.0	20864288.0
ND	WC04		72	1	0	0	0.11	0.89	0.0	35.6	36.4	43.3	0.09	SW	602100.0	18068992.0
ND	WC04		73	1	0	0	0.09	0.91	0.0	22.7	28.1	36.3	0.09	SW	714500.0	18832496.0
ND	WC04		74	1	0	0	0.19	0.81	0.0	10.9	12.8	24.3	0.09	SW	773200.0	13254000.0
ND	WC04		75	1	0	0	0.22	0.78	0.0	21.7	20.7	27.6	0.09	SW	775400.0	19040192.0
ND	WC04		76	1	0	0	0.22	0.78	0.0	25.4	29.5	35.0	0.09	SW	795900.0	20422096.0
ND	WC04		99	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

NOWC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	27.0	165.1	0.0	0.0	0.0	0.0	0.0	520667.0	8382733.0
56	25.7	157.8	0.0	0.0	0.0	0.0	0.0	520667.0	7862067.0
57	18.0	100.9	0.0	0.0	0.0	0.0	0.0	520667.0	9267867.0
58	23.1	117.0	0.0	0.0	0.0	0.0	0.0	520667.0	10569533.0
59	20.1	117.0	0.0	0.0	0.0	0.0	0.0	520667.0	5727333.0
60	16.6	77.3	0.0	0.0	0.0	0.0	0.0	520667.0	9007533.0
61	20.8	100.0	0.0	0.0	0.0	0.0	0.0	517000.0	3649000.0
62	20.8	100.0	0.0	0.0	0.0	0.0	0.0	514500.0	15664900.0
63	22.2	116.6	1.6	44.13	50.4	6.08	0.500	530500.0	11483450.0
64	24.4	119.4	4.4	47.27	42.3	7.19	0.500	571100.0	12378790.0
65	24.4	119.4	4.4	47.27	42.3	7.19	0.500	642000.0	16251000.0
66	25.5	121.7	5.5	48.94	40.9	8.09	0.500	611000.0	13494250.0
67	25.5	121.7	5.5	48.94	40.9	8.09	0.500	760500.0	15447500.0
68	35.7	183.3	18.3	63.53	-20.1	9.23	0.500	743000.0	17511792.0
69	33.3	177.7	17.7	59.74	-11.1	10.53	0.500	624300.0	17314000.0
70	33.3	177.7	17.7	59.74	-11.1	10.53	0.500	591000.0	12469100.0
71	30.0	171.1	15.0	58.85	-11.1	11.31	0.500	754400.0	20864288.0
72	41.9	230.0	31.9	111.05	-11.1	10.25	0.500	602100.0	18068992.0
73	32.0	176.0	16.0	58.01	-10.0	10.20	0.500	714500.0	18832496.0
74	14.8	117.1	1.8	7.39	-10.0	9.91	0.500	773200.0	13254000.0
75	24.6	124.6	4.6	48.9	-20.0	9.94	0.500	775400.0	19040192.0
76	34.0	155.7	27.1	55.4	-11.4	10.06	0.500	795900.0	20422096.0

1967-1976
MEAN ERROR -0.12
RMSE 2.12

TABLE 12.- Continued.

(j) North Dakota in CRD C05 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	C		55.	1.10	0.0	0.0	0.66	0.34	0.0	23.6	27.5	33.4	0.0	SW	547000.0	8040900.0
ND	C		56.	1.10	0.0	0.0	0.65	0.35	0.0	19.2	21.6	33.4	0.0	SW	547000.0	9517800.0
ND	C		57.	1.10	0.0	0.0	0.54	0.46	0.0	17.9	22.1	33.4	0.0	SW	547000.0	8970800.0
ND	C		58.	1.10	0.0	0.0	0.45	0.55	0.0	30.4	31.7	33.4	0.0	SW	547000.0	13510900.0
ND	C		59.	1.10	0.0	0.0	0.42	0.58	0.0	14.1	16.6	33.4	0.0	SW	547000.0	6837500.0
ND	C		60.	1.10	0.0	0.0	0.42	0.58	0.0	17.4	19.1	33.4	0.0	SW	547000.0	11705800.0
ND	C		61.	1.10	0.0	0.0	0.36	0.64	0.0	8.8	9.6	33.4	0.0	SW	578000.0	6197500.0
ND	C		62.	1.10	0.0	0.0	0.38	0.72	0.0	15.5	16.6	33.4	0.0	SW	520000.0	15106000.0
ND	C		63.	1.10	0.0	0.0	0.20	0.80	0.0	18.5	19.3	33.4	0.0	SW	543000.0	10522000.0
ND	C		64.	1.10	3.3	0.0	0.25	0.75	0.0	18.5	19.3	33.4	0.0	SW	616000.0	15076150.0
ND	C		65.	1.10	3.3	0.0	0.25	0.75	0.0	23.3	23.5	33.4	0.0	SW	631000.0	14410500.0
ND	C		66.	1.11	3.3	0.0	0.25	0.75	0.0	14.6	15.5	33.4	0.0	SW	606500.0	12779750.0
ND	C		67.	1.12	4.4	0.0	0.30	0.70	0.0	9.8	9.5	33.4	0.0	SW	762000.0	15405500.0
ND	C		68.	1.13	4.4	0.0	0.33	0.67	0.0	28.8	28.8	33.4	0.0	SW	794000.0	23057200.0
ND	C		69.	1.13	7.7	0.0	0.20	0.80	0.0	26.6	26.6	33.4	0.0	SW	675000.0	20766992.0
ND	C		70.	1.15	8.8	0.0	0.14	0.86	0.0	11.7	11.1	33.4	0.0	SW	654400.0	15485100.0
ND	C		71.	1.15	8.8	0.0	0.23	0.77	0.0	21.7	21.1	33.4	0.0	SW	957100.0	32016992.0
ND	C		72.	1.15	9.9	0.0	0.25	0.75	0.0	30.0	30.6	33.4	0.0	SW	863500.0	23317200.0
ND	C		73.	1.15	12.2	0.0	0.21	0.79	0.0	13.2	12.6	33.4	0.0	SW	980500.0	21815296.0
ND	C		74.	1.16	11.0	0.0	0.42	0.58	0.0	9.5	9.2	33.4	0.0	SW	1155800.0	20416192.0
ND	C		75.	1.17	10.0	0.0	0.42	0.58	0.0	20.0	20.2	33.4	0.0	SW	1161300.0	20593392.0
ND	C		76.	1.17	10.0	0.0	0.44	0.56	0.0	19.9	19.4	33.4	0.0	SW	1326200.0	28944592.0
ND	C		99.	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

NDC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	27.4	14.7	0.0	0.0	0.0	0.0	0.0	547000.0	8040900.0
56	22.0	17.4	0.0	0.0	0.0	0.0	0.0	547000.0	9517800.0
57	21.9	16.4	0.0	0.0	0.0	0.0	0.0	547000.0	8970800.0
58	34.2	24.7	0.0	0.0	0.0	0.0	0.0	547000.0	13510900.0
59	18.4	12.5	0.0	0.0	0.0	0.0	0.0	547000.0	6837500.0
60	20.2	21.4	0.0	0.0	0.0	0.0	0.0	547000.0	11705800.0
61	12.8	10.7	0.0	0.0	0.0	0.0	0.0	578000.0	6197500.0
62	17.4	29.0	0.0	0.0	0.0	0.0	0.0	520000.0	15106000.0
63	21.3	19.4	18.1	42.60	1.3	7.46	0.500	543000.0	10522000.0
64	22.6	24.5	19.7	34.94	4.7	8.43	0.500	616000.0	15076150.0
65	29.1	23.8	23.8	45.50	-1.0	9.28	0.500	631000.0	14410500.0
66	19.3	22.3	19.3	35.01	1.8	9.63	0.500	631000.0	12779750.0
67	14.3	20.2	17.2	41.39	3.0	10.11	0.500	794000.0	16405500.0
68	34.2	29.0	28.4	55.38	0.6	11.33	0.500	794000.0	23057200.0
69	34.7	30.8	28.7	37.88	2.0	11.41	0.500	675000.0	20766992.0
70	23.5	23.7	24.3	16.19	-0.7	12.55	0.500	654400.0	15485100.0
71	29.0	33.5	26.0	14.77	7.5	11.49	0.500	957100.0	32016992.0
72	35.1	27.0	30.3	12.91	-3.3	12.77	0.500	863500.0	23317200.0
73	20.4	22.2	22.5	13.35	-0.3	12.30	0.500	980500.0	21815296.0
74	12.5	17.7	19.0	12.78	-1.3	12.77	0.500	1155800.0	20416192.0
75	23.9	25.5	24.7	9.00	0.8	12.78	0.500	1161300.0	20593392.0
76	26.7	21.8	26.2	9.04	-4.4	12.83	0.500	1326200.0	28944592.0

1967-1976
MEAN ERROR 0.39
RMSE 3.20

TABLE 12.— Continued.

(k) North Dakota in CRD SW07 to SRS yields.

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	SW07		55	1.13	0.0	0.0	0.43	0.0	0.0	18.0	20.9	32.8	0.09	SW	585900.0	7733880.0
ND	SW07		56	1.13	0.0	0.0	0.35	0.0	0.0	16.3	19.5	26.3	0.09	SW	585900.0	5331690.0
ND	SW07		57	1.13	0.0	0.0	0.29	0.0	0.0	13.9	15.0	32.7	0.09	SW	585900.0	12245310.0
ND	SW07		58	1.13	0.0	0.0	0.38	0.0	0.0	25.6	28.4	43.9	0.09	SW	585900.0	13006980.0
ND	SW07		59	1.13	0.0	0.0	0.41	0.0	0.0	14.4	16.8	27.4	0.09	SW	585900.0	6093360.0
ND	SW07		60	1.13	0.0	0.0	0.36	0.0	0.0	11.6	12.0	27.8	0.09	SW	585900.0	9140040.0
ND	SW07		61	1.13	0.0	0.0	0.32	0.0	0.0	9.5	11.0	25.9	0.09	SW	631300.0	5620600.0
ND	SW07		62	1.13	0.0	0.0	0.29	0.0	0.0	19.3	19.7	34.9	0.09	SW	519400.0	12786100.0
ND	SW07		63	1.13	0.0	0.0	0.14	0.0	0.0	15.0	18.5	31.6	0.09	SW	607000.0	12489300.0
ND	SW07		64	1.13	1.1	0.0	0.18	0.0	0.0	16.3	19.3	33.6	0.09	SW	627100.0	11617830.0
ND	SW07		65	1.13	0.0	0.0	0.14	0.0	0.0	16.3	18.3	27.1	0.09	SW	680500.0	14864500.0
ND	SW07		66	1.13	0.0	0.0	0.15	0.0	0.0	14.4	18.3	28.5	0.09	SW	686000.0	15074600.0
ND	SW07		67	1.13	0.0	0.0	0.16	0.0	0.0	17.8	19.6	31.1	0.09	SW	778900.0	18742496.0
ND	SW07		68	1.13	0.0	0.0	0.07	0.0	0.0	24.7	25.9	43.0	0.09	SW	710000.0	16531900.0
ND	SW07		69	1.14	0.0	0.0	0.04	0.0	0.0	13.2	16.1	25.0	0.09	SW	608700.0	14515000.0
ND	SW07		70	1.14	0.0	0.0	0.06	0.0	0.0	18.4	22.6	34.4	0.09	SW	576700.0	11796400.0
ND	SW07		71	1.15	0.0	0.0	0.04	0.0	0.0	33.4	34.6	42.1	0.09	SW	555900.0	15477300.0
ND	SW07		72	1.15	0.0	0.0	0.04	0.0	0.0	21.0	26.6	34.5	0.09	SW	575500.0	16353700.0
ND	SW07		73	1.16	0.0	0.0	0.13	0.0	0.0	8.4	11.3	24.1	0.09	SW	780200.0	18317392.0
ND	SW07		74	1.17	0.0	0.0	0.13	0.0	0.0	18.5	18.3	26.2	0.09	SW	763900.0	17492192.0
ND	SW07		75	1.17	0.0	0.0	0.13	0.0	0.0	23.1	28.0	34.4	0.09	SW	856600.0	21366688.0
ND	NDSW		99	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

NDSW

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	22.2	13.2	0.0	0.0	0.0	0.0	0.0	585900.0	7733880.0
56	20.8	9.1	0.0	0.0	0.0	0.0	0.0	585900.0	5331690.0
57	16.8	20.9	0.0	0.0	0.0	0.0	0.0	585900.0	12245310.0
58	30.9	22.2	0.0	0.0	0.0	0.0	0.0	585900.0	13006980.0
59	17.9	10.4	0.0	0.0	0.0	0.0	0.0	585900.0	6093360.0
60	13.4	15.6	0.0	0.0	0.0	0.0	0.0	585900.0	9140040.0
61	11.9	8.9	0.0	0.0	0.0	0.0	0.0	631300.0	5620600.0
62	22.1	24.6	0.0	0.0	0.0	0.0	0.0	519400.0	12786100.0
63	20.4	20.6	16.1	34.45	4.5	5.87	0.500	607000.0	12489300.0
64	21.2	18.5	17.5	34.45	1.0	6.90	0.500	627100.0	11617830.0
65	21.5	18.3	18.3	21.23	0.6	3.05	0.500	680500.0	14864500.0
66	21.6	22.0	18.2	20.04	3.7	7.94	0.500	686000.0	15074600.0
67	21.8	24.1	19.4	23.83	4.6	8.56	0.500	778900.0	18742496.0
68	23.3	25.9	24.4	34.69	2.7	10.02	0.500	710000.0	16531900.0
69	23.3	24.4	19.4	19.44	0.6	9.83	0.500	608700.0	14515000.0
70	23.3	25.9	19.8	7.37	0.7	10.62	0.500	576700.0	11796400.0
71	25.9	23.3	23.3	4.98	4.4	10.34	0.500	730500.0	20189488.0
72	40.3	31.0	20.37	20.37	2.2	10.83	0.500	555900.0	15477300.0
73	30.4	26.1	8.10	8.10	0.4	10.85	0.500	575500.0	16353700.0
74	13.2	23.5	17.6	13.18	0.4	11.05	0.500	780200.0	18317392.0
75	22.0	22.7	14.05	14.05	0.2	11.70	0.500	763900.0	17492192.0
76	32.7	24.9	14.20	14.20	0.0	11.54	0.500	856600.0	21366688.0

1967-1976
MEAN ERROR 0.87
RMSE 3.27

TABLE 12.- Continued.

(1) North Dakota in CRD SC08 to SRS yields

STATE	CPD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	SC08		55.	1.13	0.	0.	0.74	0.26	0.0	21.9	26.6	34.7	0.09	SW	346933.0	4787680.0
ND	SC08		56.	1.13	0.	0.	0.78	0.22	0.0	15.8	18.2	25.1	0.09	SW	346933.0	4648907.0
ND	SC08		57.	1.13	0.	0.	0.73	0.27	0.0	15.1	18.0	31.0	0.09	SW	346933.0	5550933.0
ND	SC08		58.	1.13	0.	0.	0.68	0.32	0.0	27.1	28.3	43.0	0.09	SW	346933.0	4961147.0
ND	SC08		59.	1.13	0.	0.	0.69	0.31	0.0	15.0	17.7	26.0	0.09	SW	346933.0	2705080.0
ND	SC08		60.	1.13	0.	0.	0.74	0.26	0.0	13.9	14.1	26.7	0.09	SW	346933.0	4995840.0
ND	SC08		61.	1.13	0.	0.	0.59	0.41	0.0	8.6	11.4	27.7	0.09	SW	271700.0	1562000.0
ND	SC08		62.	1.13	0.	0.	0.55	0.45	0.0	16.4	16.8	27.1	0.09	SW	369100.0	10619000.0
ND	SC08		63.	1.13	0.	0.	0.55	0.45	0.0	14.8	16.6	27.8	0.09	SW	400000.0	6038000.0
ND	SC08		64.	1.13	3.	0.	0.49	0.51	0.0	19.3	21.0	22.1	0.09	SW	490800.0	8510290.0
ND	SC08		65.	1.12	3.	0.	0.49	0.51	0.0	20.9	23.7	26.5	0.09	SW	514500.0	11140250.0
ND	SC08		66.	1.12	3.	0.	0.50	0.50	0.0	13.1	16.6	26.0	0.09	SW	495500.0	9536400.0
ND	SC08		67.	1.11	4.	0.	0.54	0.46	0.0	12.1	14.6	35.9	0.09	SW	598100.0	10315500.0
ND	SC08		68.	1.11	4.	0.	0.55	0.45	0.0	24.4	26.6	41.9	0.09	SW	570000.0	13061700.0
ND	SC08		69.	1.10	7.	0.	0.39	0.61	0.0	25.0	28.1	40.9	0.09	SW	452500.0	10453000.0
ND	SC08		70.	1.12	8.	0.	0.29	0.71	0.0	15.6	18.8	31.4	0.09	SW	408900.0	6728300.0
ND	SC08		71.	1.14	8.	0.	0.32	0.68	0.0	19.9	24.0	35.4	0.09	SW	572200.0	15178900.0
ND	SC08		72.	1.15	9.	0.	0.26	0.74	0.0	31.6	32.0	40.0	0.09	SW	441000.0	10494300.0
ND	SC08		73.	1.15	12.	0.	0.23	0.77	0.0	15.5	20.0	31.1	0.09	SW	506000.0	9943000.0
ND	SC08		74.	1.15	10.	0.	0.42	0.58	0.0	5.9	8.4	22.4	0.09	SW	646400.0	8254000.0
ND	SC08		75.	1.17	10.	0.	0.42	0.58	0.0	20.0	18.2	27.0	0.09	SW	669900.0	14172100.0
ND	SC08		76.	1.17	10.	0.	0.42	0.58	0.0	19.9	24.9	31.4	0.09	SW	757100.0	12474500.0
ND	SC08		99.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

NDSC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	26.1	13.8	0.0	0.0	0.0	0.0	0.0	346933.0	4787680.0
56	17.5	13.4	0.0	0.0	0.0	0.0	0.0	346933.0	4648907.0
57	17.9	16.0	0.0	0.0	0.0	0.0	0.0	346933.0	5550933.0
58	31.1	14.3	0.0	0.0	0.0	0.0	0.0	346933.0	4961147.0
59	17.9	7.8	0.0	0.0	0.0	0.0	0.0	346933.0	2706080.0
60	15.8	14.4	0.0	0.0	0.0	0.0	0.0	346933.0	4995840.0
61	11.0	5.7	0.0	0.0	0.0	0.0	0.0	271700.0	1562000.0
62	18.7	28.8	0.0	0.0	0.0	0.0	0.0	369100.0	10619000.0
63	17.8	15.1	1.3	0.5	1.7	4.47	0.500	400000.0	6038000.0
64	25.1	17.3	1.6	0.7	0.6	5.14	0.500	490800.0	8510290.0
65	25.3	21.7	1.8	0.0	0.7	5.35	0.500	514500.0	11140250.0
66	15.9	10.2	1.4	0.2	0.2	5.59	0.500	495500.0	9536400.0
67	15.1	14.6	1.1	0.6	0.3	7.09	0.500	598100.0	10315500.0
68	22.6	22.9	2.2	0.7	0.2	8.45	0.500	570000.0	13061700.0
69	30.3	23.1	2.3	0.8	0.7	8.71	0.500	452500.0	10453000.0
70	26.7	16.6	2.0	0.4	0.1	9.63	0.500	408900.0	6728300.0
71	36.7	26.6	2.5	0.37	0.6	8.01	0.500	572200.0	15178900.0
72	37.6	23.3	2.7	0.68	0.9	8.88	0.500	441000.0	10494300.0
73	33.4	19.7	2.0	0.5	0.8	8.78	0.500	506000.0	9943000.0
74	29.3	12.8	1.3	0.36	0.5	8.65	0.500	646400.0	8254000.0
75	33.2	21.9	1.9	0.9	0.2	8.32	0.500	669900.0	14172100.0
76	27.7	16.5	2.2	0.8	0.7	8.30	0.500	757100.0	12474500.0

1967-1976
MEAN ERROR -0.62
RMSE 3.12

TABLE 12.-- Continued.

(m) North Dakota in SE09 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	SE09		55.	1.12	5.	0.	0.85	0.	0.0	20.2	24.0	33.2	0.09	SW	479500.0	5418350.0
ND	SE09		56.	1.11	5.	0.	0.87	0.	0.0	17.0	19.3	28.6	0.09	SW	479500.0	6569150.0
ND	SE09		57.	1.11	5.	0.	0.80	0.	0.0	17.5	21.0	31.0	0.09	SW	479500.0	8535100.0
ND	SE09		58.	1.11	5.	0.	0.76	0.	0.0	29.	30.9	40.8	0.09	SW	479500.0	11124400.0
ND	SE09		59.	1.11	5.	0.	0.77	0.	0.0	14.5	18.7	25.5	0.09	SW	479500.0	5658100.0
ND	SE09		60.	1.11	5.	0.	0.77	0.	0.0	18.2	19.7	27.8	0.09	SW	479500.0	8822800.0
ND	SE09		61.	1.11	5.	0.	0.73	0.	0.0	13.4	17.7	33.0	0.09	SW	540000.0	7905000.0
ND	SE09		62.	1.11	5.	0.	0.63	0.	0.0	16.3	16.6	25.3	0.09	SW	431000.0	9865000.0
ND	SE09		63.	1.11	5.	0.	0.56	0.	0.0	18.7	19.6	30.6	0.09	SW	467500.0	7032750.0
ND	SE09		64.	1.11	5.	0.	0.55	0.	0.0	15.9	18.7	29.3	0.09	SW	566700.0	9926290.0
ND	SE09		65.	1.11	7.	0.	0.58	0.	0.0	21.5	24.5	31.4	0.09	SW	553000.0	12473750.0
ND	SE09		66.	1.11	8.	0.	0.58	0.	0.0	13.6	16.2	25.8	0.09	SW	545000.0	10706000.0
ND	SE09		67.	1.11	9.	0.	0.58	0.	0.0	19.7	19.7	36.6	0.09	SW	624500.0	13448500.0
ND	SE09		68.	1.11	9.	0.	0.64	0.	0.0	27.6	30.2	37.7	0.09	SW	632000.0	17147392.0
ND	SE09		69.	1.11	9.	0.	0.53	0.	0.0	27.5	30.2	39.9	0.09	SW	510500.0	13288000.0
ND	SE09		70.	1.11	13	0.	0.33	0.	0.0	18.2	20.4	32.7	0.09	SW	460300.0	9771900.0
ND	SE09		71.	1.11	16	0.	0.44	0.	0.0	20.4	23.7	31.3	0.09	SW	728500.0	23330592.0
ND	SE09		72.	1.11	16	0.	0.45	0.	0.0	28.4	28.7	36.7	0.09	SW	609500.0	15714100.0
ND	SE09		73.	1.11	16	0.	0.45	0.	0.0	19.8	19.2	31.2	0.09	SW	823500.0	19508992.0
ND	SE09		74.	1.11	17	0.	0.72	0.	0.0	10.4	12.9	22.0	0.09	SW	1061200.0	20788000.0
ND	SE09		75.	1.11	17	0.	0.78	0.	0.0	16.7	17.1	28.9	0.09	SW	988000.0	22462592.0
ND	SE09		76.	1.11	17	0.	0.78	0.	0.0	15.9	19.8	29.8	0.09	SW	1305400.0	23004688.0
ND	NDSE		98.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

NDSE

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	23.8	11.3	0.0	0.0	0.0	0.0	0.0	479500.0	5418350.0
56	19.9	17.7	0.0	0.0	0.0	0.0	0.0	479500.0	6569150.0
57	20.9	13.8	0.0	0.0	0.0	0.0	0.0	479500.0	8535100.0
58	33.8	23.2	0.0	0.0	0.0	0.0	0.0	479500.0	11124400.0
59	17.8	11.8	0.0	0.0	0.0	0.0	0.0	479500.0	5658100.0
60	21.3	18.4	0.0	0.0	0.0	0.0	0.0	479500.0	8822800.0
61	16.7	14.6	0.0	0.0	0.0	0.0	0.0	479500.0	7905000.0
62	18.9	22.9	0.0	0.0	0.0	0.0	0.0	540000.0	9865000.0
63	21.9	15.0	1.6	1.9	1.8	5.9	0.500	467500.0	7032750.0
64	19.9	17.5	1.6	2.0	1.1	6.4	0.500	566700.0	9926290.0
65	26.2	22.6	1.5	2.0	1.1	7.2	0.500	553000.0	12473750.0
66	17.7	15.9	1.5	1.3	1.7	6.2	0.500	545000.0	10706000.0
67	21.0	21.5	1.8	1.4	1.1	7.2	0.500	624500.0	13448500.0
68	33.4	27.1	3.8	3.2	2.5	8.8	0.500	632000.0	17147392.0
69	44.2	36.0	13.2	13.2	11.0	9.8	0.500	510500.0	13288000.0
70	24.3	21.2	1.6	1.9	1.4	9.4	0.500	460300.0	9771900.0
71	22.0	22.0	2.0	2.0	1.7	8.9	0.500	728500.0	23330592.0
72	35.2	33.8	3.3	3.3	2.5	10.6	0.500	609500.0	15714100.0
73	35.7	33.3	3.3	3.3	2.5	10.7	0.500	823500.0	19508992.0
74	5.6	19.3	1.1	1.5	1.1	11.0	0.500	1061200.0	20788000.0
75	2.4	22.7	1.1	1.5	1.1	11.1	0.500	988000.0	22462592.0
76	2.3	17.6	1.1	1.5	1.1	11.2	0.500	1305400.0	23004688.0

1967-1976
MEAN ERROR
RMSE 3.56

TABLE 12.- Continued.

(n) Red River aggregation to SRS yields

RR	YR	SRS	ESTY	ERROR	ACREAGE	PRODUCTION
	55	0.0	0.0	0.0	0.0	0.0
	56	0.0	0.0	0.0	0.0	0.0
	57	0.0	0.0	0.0	0.0	0.0
	58	0.0	0.0	0.0	0.0	0.0
	59	0.0	0.0	0.0	0.0	0.0
	60	0.0	0.0	0.0	0.0	0.0
	61	0.0	0.0	0.0	0.0	0.0
	62	0.0	0.0	0.0	0.0	0.0
	63	2.5	2.5	2.7	2110200.0	53074592.0
	64	2.6	2.6	4.5	2452800.0	65005408.0
	65	2.9	2.9	0.6	2610700.0	77924480.0
	66	2.5	2.5	1.2	2481800.0	61950672.0
	67	3.0	3.0	5.0	3099800.0	93339184.0
	68	3.1	3.1	0.5	3107900.0	100498080.0
	69	3.7	3.7	0.2	2578200.0	83721872.0
	70	3.5	3.5	1.6	2604200.0	71685680.0
	71	3.6	3.6	4.1	4107200.0	151202288.0
	72	3.1	3.1	2.4	3618000.0	115180096.0
	73	3.3	2.9	4.2	4444100.0	150322272.0
	74	3.5	3.2	2.1	5430800.0	136392672.0
	75	3.0	3.0	0.4	5375500.0	164377168.0
	76	3.1	2.9	0.4	6535000.0	196707056.0
	1967-1976					
	MEAN ERROR			0.87		
	RMSE			2.69		

TABLE 12.- Continued.

(o) Red River in CRD NE03 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	NE03	55.	1.	10	5.	0.	0.66	0.34	0.0	22	22	24	0.09	SW	1062000.0	17310592.0
ND	NE03	56.	1.	10	5.	0.	0.59	0.41	0.0	22	22	35	0.09	SW	1062000.0	22302000.0
ND	NE03	57.	1.	10	5.	0.	0.66	0.34	0.0	22	22	33	0.09	SW	1062000.0	22939200.0
ND	NE03	58.	1.	10	5.	0.	0.30	0.70	0.0	22	22	40	0.09	SW	1062000.0	32178592.0
ND	NE03	59.	1.	10	5.	0.	0.33	0.67	0.0	22	22	31	0.09	SW	1062000.0	25488000.0
ND	NE03	60.	1.	10	5.	0.	0.39	0.61	0.0	22	22	32	0.09	SW	1062000.0	24956992.0
ND	NE03	61.	1.	10	5.	0.	0.30	0.70	0.0	22	22	31	0.09	SW	1062000.0	19943200.0
ND	NE03	62.	1.	10	5.	0.	0.30	0.70	0.0	22	22	30	0.09	SW	1062000.0	30786496.0
ND	NE03	63.	1.	10	5.	0.	0.30	0.70	0.0	22	22	33	0.09	SW	1075000.0	30786496.0
ND	NE03	64.	1.	10	5.	0.	0.30	0.70	0.0	22	22	33	0.09	SW	991500.0	26297248.0
ND	NE03	65.	1.	11	7.	0.	0.30	0.70	0.0	22	22	33	0.09	SW	1131900.0	33193520.0
ND	NE03	66.	1.	11	7.	0.	0.30	0.70	0.0	22	22	38	0.09	SW	1271000.0	39672496.0
ND	NE03	67.	1.	12	8.	0.	0.30	0.70	0.0	22	22	37	0.09	SW	1192000.0	31472992.0
ND	NE03	68.	1.	14	11	0.	0.30	0.70	0.0	22	22	35	0.09	SW	1468000.0	42417488.0
ND	NE03	69.	1.	15	12	0.	0.30	0.70	0.0	22	22	41	0.09	SW	1523000.0	47818992.0
ND	NE03	70.	1.	15	12	0.	0.17	0.83	0.0	22	22	34	0.09	SW	1310000.0	44330992.0
ND	NE03	71.	1.	15	12	0.	0.22	0.78	0.0	22	22	37	0.09	SW	1784600.0	63940000.0
ND	NE03	72.	1.	14	11	0.	0.22	0.78	0.0	22	22	31	0.09	SW	1447000.0	45237600.0
ND	NE03	73.	1.	17	14	0.	0.11	0.89	0.0	22	22	35	0.09	SW	1619000.0	49042000.0
ND	NE03	74.	1.	17	14	0.	0.33	0.67	0.0	22	22	35	0.09	SW	1828900.0	41049088.0
ND	NE03	75.	1.	17	14	0.	0.33	0.67	0.0	22	22	33	0.09	SW	1960300.0	60872288.0
ND	NE03	76.	1.	17	14	0.	0.33	0.67	0.0	22	22	31	0.09	SW	2093700.0	61947888.0
ND	NE03	99.	0.	50	0.	0.	0.	0.	0.0	0.	0.	0.	0.0	SW	0.0	0.0

NDNE

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	27.0	16.3	0.0	0.0	0.0	0.0	0.0	1062000.0	17310592.0
56	29.8	11.0	0.0	0.0	0.0	0.0	0.0	1062000.0	22302000.0
57	26.3	11.6	0.0	0.0	0.0	0.0	0.0	1062000.0	22939200.0
58	35.7	30.3	0.0	0.0	0.0	0.0	0.0	1062000.0	32178592.0
59	26.9	24.0	0.0	0.0	0.0	0.0	0.0	1062000.0	25488000.0
60	27.4	23.5	0.0	0.0	0.0	0.0	0.0	1062000.0	24956992.0
61	19.3	17.8	0.0	0.0	0.0	0.0	0.0	1119500.0	19943200.0
62	25.0	23.6	0.0	0.0	0.0	0.0	0.0	1075000.0	30786496.0
63	25.1	23.5	0.0	0.0	0.0	0.0	0.0	991500.0	26297248.0
64	25.3	23.3	0.0	0.0	0.0	0.0	0.0	1131900.0	33193520.0
65	25.2	23.2	0.0	0.0	0.0	0.0	0.0	1271000.0	39672496.0
66	25.5	23.4	0.0	0.0	0.0	0.0	0.0	1192000.0	31472992.0
67	25.8	23.9	0.0	0.0	0.0	0.0	0.0	1468000.0	42417488.0
68	26.1	23.8	0.0	0.0	0.0	0.0	0.0	1523000.0	47818992.0
69	27.1	23.8	0.0	0.0	0.0	0.0	0.0	1310000.0	44330992.0
70	28.6	23.8	0.0	0.0	0.0	0.0	0.0	1269400.0	35609200.0
71	28.6	23.8	0.0	0.0	0.0	0.0	0.0	1784600.0	63940000.0
72	27.9	23.3	0.0	0.0	0.0	0.0	0.0	1447000.0	45237600.0
73	30.0	23.3	0.0	0.0	0.0	0.0	0.0	1619000.0	49042000.0
74	30.3	22.4	0.0	0.0	0.0	0.0	0.0	1828900.0	41049088.0
75	30.3	22.4	0.0	0.0	0.0	0.0	0.0	1960300.0	60872288.0
76	27.2	29.6	0.0	0.0	0.0	0.0	0.0	2093700.0	61947888.0

1967-1976
MEAN ERROR
RMSF

0.36
0.30

TABLE 12.— Continued.

(p) Red River in CRD EC06 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
ND	CC06		55.	1.10	5.	0.	0.61	0.39	0.0	20.3	23.7	23.8	0.09	SW	501667.0	7926333.0
ND	CC06		56.	1.10	5.	0.	0.52	0.48	0.0	21.8	23.0	33.0	0.09	SW	501667.0	10685500.0
ND	CC06		57.	1.10	5.	0.	0.46	0.54	0.0	19.6	23.4	33.0	0.09	SW	501667.0	12441333.0
ND	CC06		58.	1.10	5.	0.	0.39	0.61	0.0	30.9	23.0	40.0	0.09	SW	501667.0	15702167.0
ND	CC06		59.	1.10	5.	0.	0.43	0.57	0.0	17.7	23.0	28.0	0.09	SW	501667.0	11337667.0
ND	CC06		60.	1.10	5.	0.	0.43	0.59	0.0	20.8	23.0	28.0	0.09	SW	501667.0	13093500.0
ND	CC06		61.	1.10	5.	0.	0.36	0.64	0.0	13.4	23.0	26.0	0.09	SW	573500.0	13332200.0
ND	CC06		62.	1.10	5.	0.	0.29	0.71	0.0	18.4	18.0	24.0	0.09	SW	440000.0	12613000.0
ND	CC06		63.	1.10	5.	0.	0.21	0.79	0.0	21.4	16.0	24.0	0.09	SW	491500.0	11561250.0
ND	CC06		64.	1.09	7.	0.	0.38	0.72	0.0	16.5	19.0	23.0	0.09	SW	560000.0	14410500.0
ND	CC06		65.	1.10	8.	0.	0.27	0.73	0.0	25.4	17.0	23.0	0.09	SW	581000.0	16801488.0
ND	CC06		66.	1.11	8.	0.	0.26	0.74	0.0	17.9	19.0	23.0	0.09	SW	618000.0	13990500.0
ND	CC06		67.	1.12	9.	0.	0.36	0.64	0.0	17.3	19.0	23.0	0.09	SW	680000.0	20210000.0
ND	CC06		68.	1.13	11.	0.	0.35	0.65	0.0	17.9	19.0	23.0	0.09	SW	680000.0	22884000.0
ND	CC06		69.	1.13	11.	0.	0.35	0.65	0.0	17.9	19.0	23.0	0.09	SW	680000.0	20044992.0
ND	CC06		70.	1.15	19.	0.	0.24	0.76	0.0	11.1	11.0	11.0	0.09	SW	626000.0	16727200.0
ND	CC06		71.	1.16	19.	0.	0.33	0.67	0.0	16.7	14.0	13.0	0.09	SW	966200.0	35133600.0
ND	CC06		72.	1.15	33.	0.	0.43	0.57	0.0	9.9	9.0	9.0	0.09	SW	792500.0	24242400.0
ND	CC06		73.	1.17	33.	0.	0.43	0.57	0.0	16.5	13.0	13.0	0.09	SW	1014000.0	30439488.0
ND	CC06		74.	1.19	33.	0.	0.66	0.34	0.0	14.9	13.0	13.0	0.09	SW	1233100.0	28788496.0
ND	CC06		75.	1.19	33.	0.	0.66	0.34	0.0	19.0	11.0	11.0	0.09	SW	1112300.0	32015088.0
ND	CC06		76.	1.19	25.	0.	0.66	0.34	0.0	18.6	20.0	30.0	0.09	SW	1400900.0	40162288.0
ND	DEC		99.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

NDEC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	24.3	15.8	0.0	0.0	0.0	0.0	0.0	501667.0	7926333.0
56	25.6	21.3	0.0	0.0	0.0	0.0	0.0	501667.0	10685500.0
57	24.6	24.8	0.0	0.0	0.0	0.0	0.0	501667.0	12441333.0
58	25.4	11.3	0.0	0.0	0.0	0.0	0.0	501667.0	15702167.0
59	24.4	22.6	0.0	0.0	0.0	0.0	0.0	501667.0	11337667.0
60	24.5	22.1	0.0	0.0	0.0	0.0	0.0	501667.0	13093500.0
61	21.3	23.2	0.0	0.0	0.0	0.0	0.0	573500.0	13332200.0
62	20.0	23.7	0.0	0.0	0.0	0.0	0.0	440000.0	12613000.0
63	20.5	23.5	0.0	21.0	1.1	0.0	0.0	491500.0	11561250.0
64	21.1	23.7	0.0	21.0	1.1	0.0	0.0	560000.0	14410500.0
65	21.1	23.9	0.0	21.0	1.1	0.0	0.0	581000.0	16801488.0
66	22.0	24.8	0.0	21.0	1.1	0.0	0.0	618000.0	13990500.0
67	22.0	24.7	0.0	21.0	1.1	0.0	0.0	680000.0	20210000.0
68	22.0	24.7	0.0	21.0	1.1	0.0	0.0	680000.0	22884000.0
69	22.0	24.4	0.0	21.0	1.1	0.0	0.0	680000.0	20044992.0
70	22.0	26.7	0.0	21.0	1.1	0.0	0.0	626000.0	16727200.0
71	24.0	26.4	0.0	21.0	1.1	0.0	0.0	966200.0	35133600.0
72	24.0	26.6	0.0	21.0	1.1	0.0	0.0	792500.0	24242400.0
73	23.0	27.7	0.0	21.0	1.1	0.0	0.0	1014000.0	30439488.0
74	23.0	27.7	0.0	21.0	1.1	0.0	0.0	1233100.0	28788496.0
75	23.0	28.8	0.0	21.0	1.1	0.0	0.0	1112300.0	32015088.0
76	23.0	28.7	0.0	21.0	1.1	0.0	0.0	1400900.0	40162288.0

1967-1976
MEAN ERROR 0.63
RMSE 2.71

TABLE 12.- Continued.

(q) Red River in CRD NW01 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MN	NW01		55	11	3	0	1	0	0	220	223	33	0	SWS	476370	9134820
MN	NW01		56	11	3	0	1	0	0	220	223	33	0	SWS	494940	12197700
MN	NW01		57	11	3	0	1	0	0	220	223	33	0	SWS	454000	10546600
MN	NW01		58	11	3	0	1	0	0	220	223	33	0	SWS	455300	14973400
MN	NW01		59	11	3	0	1	0	0	220	223	33	0	SWS	506500	12330900
MN	NW01		60	11	3	0	1	0	0	220	223	33	0	SWS	480800	14003000
MN	NW01		61	11	3	0	1	0	0	220	223	33	0	SWS	486600	10667700
MN	NW01		62	11	3	0	1	0	0	220	223	33	0	SWS	343300	9237200
MN	NW01		63	11	3	0	1	0	0	220	223	33	0	SWS	427000	10534500
MN	NW01		64	11	3	0	1	0	0	220	223	33	0	SWS	525200	12707400
MN	NW01		65	11	3	0	1	0	0	220	223	33	0	SWS	566500	16924800
MN	NW01		66	11	3	0	1	0	0	220	223	33	0	SWS	550200	12808100
MN	NW01		67	11	3	0	1	0	0	220	223	33	0	SWS	718400	23357296
MN	NW01		68	11	3	0	1	0	0	220	223	33	0	SWS	662200	21696000
MN	NW01		69	11	3	0	1	0	0	220	223	33	0	SWS	441400	13587600
MN	NW01		70	11	3	0	1	0	0	220	223	33	0	SWS	480000	13153800
MN	NW01		71	11	3	0	1	0	0	220	223	33	0	SWS	971600	38806192
MN	NW01		72	11	3	0	1	0	0	220	223	33	0	SWS	987300	35666496
MN	NW01		73	11	3	0	1	0	0	220	223	33	0	SWS	1201500	46599088
MN	NW01		74	11	3	0	1	0	0	220	223	33	0	SWS	1442000	39585200
MN	NW01		75	11	3	0	1	0	0	220	223	33	0	SWS	1397400	47041296
MN	NW01		76	11	3	0	1	0	0	220	223	33	0	SWS	1869500	68547088
MN	NW01		99	0	0	0	0	0	0	0	0	0	0	SWS	0	0

MNNW

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	22	19	0	0	0	0	0	476370	9134820
56	22	24	0	0	0	0	0	494940	12197700
57	24	23	0	0	0	0	0	454000	10546600
58	25	22	0	0	0	0	0	455300	14973400
59	25	22	0	0	0	0	0	506500	12330900
60	25	22	0	0	0	0	0	480800	14003000
61	25	22	0	0	0	0	0	486600	10667700
62	25	22	0	0	0	0	0	343300	9237200
63	25	22	0	0	0	0	0	427000	10534500
64	25	22	0	0	0	0	0	525200	12707400
65	26	22	0	0	0	0	0	566500	16924800
66	27	22	0	0	0	0	0	550200	12808100
67	31	22	0	0	0	0	0	718400	23357296
68	31	22	0	0	0	0	0	662200	21696000
69	31	22	0	0	0	0	0	441400	13587600
70	31	22	0	0	0	0	0	480000	13153800
71	33	22	0	0	0	0	0	971600	38806192
72	33	22	0	0	0	0	0	987300	35666496
73	33	22	0	0	0	0	0	1201500	46599088
74	36	22	0	0	0	0	0	1442000	39585200
75	36	22	0	0	0	0	0	1397400	47041296
76	36	22	0	0	0	0	0	1869500	68547088

1967-1976
MEAN ERROR 2.00
RMSE 3.97

TABLE 12.- Continued.

(r) Red River in CRD WC04 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MN	WC04		55.	1.11	3.	0.	1.00	0.0	0.0	219.3	221.4	332.1	0.09	SW	96770.0	1625680.0
MN	WC04		56.	1.11	4.	0.	1.00	0.0	0.0	222.8	219.4	332.1	0.09	SW	143090.0	3050150.0
MN	WC04		57.	1.11	5.	0.	1.00	0.0	0.0	218.2	219.4	332.1	0.09	SW	149800.0	3029400.0
MN	WC04		58.	1.11	6.	0.	1.00	0.0	0.0	230.8	219.4	332.1	0.09	SW	201900.0	5608300.0
MN	WC04		59.	1.11	7.	0.	1.00	0.0	0.0	230.8	219.4	332.1	0.09	SW	246900.0	4589600.0
MN	WC04		60.	1.11	8.	0.	1.00	0.0	0.0	224.0	219.4	332.1	0.09	SW	226100.0	6012100.0
MN	WC04		61.	1.11	9.	0.	1.00	0.0	0.0	233.9	219.4	332.1	0.09	SW	250700.0	5873000.0
MN	WC04		62.	1.11	10.	0.	1.00	0.0	0.0	220.0	219.4	332.1	0.09	SW	164400.0	3375200.0
MN	WC04		63.	1.11	11.	0.	1.00	0.0	0.0	220.0	219.4	332.1	0.09	SW	200200.0	4681600.0
MN	WC04		64.	1.11	12.	0.	1.00	0.0	0.0	220.0	219.4	332.1	0.09	SW	235700.0	4694000.0
MN	WC04		65.	1.12	12.	0.	1.00	0.0	0.0	220.0	219.4	332.1	0.09	SW	192200.0	4525700.0
MN	WC04		66.	1.12	12.	0.	1.00	0.0	0.0	219.4	219.4	332.1	0.09	SW	176600.0	3679100.0
MN	WC04		67.	1.13	21.	0.	1.00	0.0	0.0	230.9	219.4	332.1	0.09	SW	233400.0	7354400.0
MN	WC04		68.	1.13	30.	0.	1.00	0.0	0.0	230.0	219.4	332.1	0.09	SW	242700.0	8099100.0
MN	WC04		69.	1.14	39.	0.	1.00	0.0	0.0	231.1	219.4	332.1	0.09	SW	208800.0	5758300.0
MN	WC04		70.	1.16	31.	0.	1.00	0.0	0.0	224.6	219.4	332.1	0.09	SW	228800.0	6195500.0
MN	WC04		71.	1.18	11.	0.	1.00	0.0	0.0	222.3	219.4	332.1	0.09	SW	384800.0	13322500.0
MN	WC04		72.	1.20	55.	0.	1.00	0.0	0.0	229.4	219.4	332.1	0.09	SW	391200.0	10033600.0
MN	WC04		73.	1.23	49.	0.	1.00	0.0	0.0	226.6	219.4	332.1	0.09	SW	609600.0	24241696.0
MN	WC04		74.	1.27	48.	0.	1.00	0.0	0.0	219.2	219.4	332.1	0.09	SW	926800.0	26969888.0
MN	WC04		75.	1.33	49.	0.	1.00	0.0	0.0	219.7	219.4	332.1	0.09	SW	905500.0	24448496.0
MN	WC04		76.	1.39	49.	0.	1.00	0.0	0.0	220.4	219.4	332.1	0.09	SW	1170900.0	26049792.0
RR	MNWC		98.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

MNWC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	21.7	16.8	0.0	0.0	0.0	0.0	0.0	96770.0	1625680.0
56	25.0	21.3	0.0	0.0	0.0	0.0	0.0	143090.0	3050150.0
57	20.7	20.2	0.0	0.0	0.0	0.0	0.0	149800.0	3029400.0
58	24.9	27.8	0.0	0.0	0.0	0.0	0.0	201900.0	5608300.0
59	23.1	18.6	0.0	0.0	0.0	0.0	0.0	246900.0	4589600.0
60	27.8	26.6	0.0	0.0	0.0	0.0	0.0	226100.0	6012100.0
61	27.4	33.4	0.0	0.0	0.0	0.0	0.0	250700.0	5873000.0
62	25.6	20.5	0.0	0.0	0.0	0.0	0.0	164400.0	3375200.0
63	23.5	33.4	0.0	5.348	2.000	9.01	0.5000	200200.0	4681600.0
64	23.5	19.9	0.0	4.338	1.000	9.72	0.5000	235700.0	4694000.0
65	22.4	22.5	0.0	4.337	1.000	9.64	0.5000	192200.0	4525700.0
66	22.6	20.8	0.0	5.27	1.000	9.51	0.5000	176600.0	3679100.0
67	25.4	27.1	0.0	3.35	1.000	9.41	0.5000	233400.0	7354400.0
68	27.6	33.4	0.0	3.35	1.000	9.26	0.5000	242700.0	8099100.0
69	33.3	27.6	0.0	3.35	1.000	9.49	0.5000	208800.0	5758300.0
70	31.8	27.7	0.0	3.35	1.000	10.33	0.5000	228800.0	6195500.0
71	32.9	26.6	0.0	3.35	1.000	10.77	0.5000	384800.0	13322500.0
72	41.0	22.2	0.0	3.35	1.000	11.71	0.5000	391200.0	10033600.0
73	37.4	22.8	0.0	3.35	1.000	11.87	0.5000	609600.0	24241696.0
74	39.9	22.1	0.0	3.35	1.000	12.87	0.5000	926800.0	26969888.0
75	32.1	22.0	0.0	3.35	1.000	13.45	0.5000	905500.0	24448496.0
76	34.5	22.2	0.0	3.35	1.000	13.09	0.5000	1170900.0	26049792.0

1967-1976
MEAN ERROR RMSE 0.98
5.69

TABLE 12.— Continued.

(s) Minnesota aggregation to SRS yields

MN						
YR	SRS	ESTY	ERROR	ACREAGE	PRODUCTION	
55	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0
63	26.6	24.2	2.5	165600.0	4412300.0	0.0
64	24.4	24.1	0.3	108400.0	2642200.0	0.0
65	22.2	28.1	-6.0	32700.0	724600.0	0.0
66	25.7	25.3	0.5	34800.0	895100.0	0.0
67	32.7	30.6	2.1	44700.0	1462100.0	0.0
68	36.4	28.2	8.2	65100.0	2371500.0	0.0
69	28.2	33.2	-5.0	55200.0	1558400.0	0.0
70	30.4	27.1	3.2	50000.0	1517900.0	0.0
71	30.5	27.6	2.9	53000.0	1616100.0	0.0
72	29.0	34.8	-5.9	31700.0	918200.0	0.0
73	38.2	30.5	7.8	80500.0	3077200.0	0.0
74	36.7	28.7	8.0	247800.0	9095100.0	0.0
75	31.4	32.8	-1.4	328700.0	10306500.0	0.0
76	38.2	33.0	5.2	665700.0	25444384.0	0.0
		1967-1976				
		MEAN ERROR	2.51			
		RMSE	5.50			

TABLE 12.— Continued.

(t) Minnesota in CRD C05 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MN	CC	05	55.	1.11	3.	0.	1.00	0.0	0.0	21.5	22.4	30.9	0.0	SS	7170.0	155500.0
MN	CC	05	56.	1.11	4.	0.	1.00	0.0	0.0	25.3	26.3	34.0	0.0	SS	15530.0	326560.0
MN	CC	05	57.	1.11	5.	0.	1.00	0.0	0.0	20.9	21.9	32.9	0.0	SS	16600.0	347800.0
MN	CC	05	58.	1.11	6.	0.	1.00	0.0	0.0	33.6	33.7	41.1	0.0	SS	23900.0	719700.0
MN	CC	05	59.	1.11	7.	0.	1.00	0.0	0.0	33.3	33.4	30.0	0.0	SS	44200.0	1040200.0
MN	CC	05	60.	1.11	8.	0.	1.00	0.0	0.0	26.6	26.7	33.0	0.0	SS	46400.0	1247300.0
MN	CC	05	61.	1.11	9.	0.	1.00	0.0	0.0	29.0	29.2	33.3	0.0	SS	69000.0	1985800.0
MN	CC	05	62.	1.11	10.	0.	1.00	0.0	0.0	24.0	24.0	33.3	0.0	SS	51000.0	1175800.0
MN	CC	05	63.	1.11	11.	0.	1.00	0.0	0.0	19.3	19.4	29.4	0.0	SS	67300.0	1716400.0
MN	CC	05	64.	1.11	12.	0.	1.00	0.0	0.0	18.9	19.0	22.2	0.0	SS	47400.0	1116200.0
MN	CC	05	65.	1.12	12.	0.	1.00	0.0	0.0	25.1	25.1	22.2	0.0	SS	16700.0	335700.0
MN	CC	05	66.	1.12	12.	0.	1.00	0.0	0.0	20.6	20.6	27.7	0.0	SS	16300.0	385300.0
MN	CC	05	67.	1.13	11.	0.	1.00	0.0	0.0	29.9	29.9	41.1	0.0	SS	20700.0	682100.0
MN	CC	05	68.	1.13	30.	0.	1.00	0.0	0.0	27.8	27.9	32.2	0.0	SS	30400.0	1121000.0
MN	CC	05	69.	1.14	29.	0.	1.00	0.0	0.0	33.3	33.3	40.0	0.0	SS	24600.0	703100.0
MN	CC	05	70.	1.16	11.	0.	1.00	0.0	0.0	44.1	44.1	39.3	0.0	SS	225700.0	768100.0
MN	CC	05	71.	1.18	21.	0.	1.00	0.0	0.0	22.7	22.7	22.2	0.0	SS	34300.0	1036300.0
MN	CC	05	72.	1.20	56.	0.	1.00	0.0	0.0	31.4	31.4	36.2	0.0	SS	22500.0	604700.0
MN	CC	05	73.	1.23	49.	0.	1.00	0.0	0.0	35.4	35.4	22.2	0.0	SS	44000.0	1787500.0
MN	CC	05	74.	1.27	48.	0.	1.00	0.0	0.0	18.1	18.1	26.2	0.0	SS	140600.0	5103800.0
MN	CC	05	75.	1.33	49.	0.	1.00	0.0	0.0	21.3	21.3	33.3	0.0	SS	195200.0	6051200.0
MN	CC	05	76.	1.39	49.	0.	1.00	0.0	0.0	20.1	20.1	33.3	0.0	SS	276900.0	10492300.0
MN	CC	05	99.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	W	0.0	0.0

MNC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	24.2	21.7	0.0	0.0	0.0	0.0	0.0	7170.0	155500.0
56	23.5	21.0	0.0	0.0	0.0	0.0	0.0	15530.0	326560.0
57	37.7	21.0	0.0	0.0	0.0	0.0	0.0	16600.0	347800.0
58	37.9	30.1	0.0	0.0	0.0	0.0	0.0	23900.0	719700.0
59	24.3	33.5	0.0	0.0	0.0	0.0	0.0	44200.0	1040200.0
60	30.3	26.9	0.0	0.0	0.0	0.0	0.0	46400.0	1247300.0
61	33.1	28.8	0.0	0.0	0.0	0.0	0.0	69000.0	1985800.0
62	27.6	33.1	0.0	0.0	0.0	0.0	0.0	51000.0	1175800.0
63	27.3	23.5	0.0	0.0	0.0	0.0	0.0	67300.0	1716400.0
64	22.2	23.5	21.4	4.655	4.4	10.15	0.500	47400.0	1116200.0
65	29.3	20.1	21.8	7.339	1.7	11.73	0.500	16700.0	335700.0
66	24.3	20.1	26.1	3.337	6.0	11.44	0.500	16300.0	385300.0
67	35.9	33.6	23.1	3.32	0.0	10.98	0.500	20700.0	682100.0
68	34.5	33.0	29.0	14.43	4.0	11.02	0.500	30400.0	1121000.0
69	40.7	36.9	28.7	17.92	8.2	11.48	0.500	24600.0	703100.0
70	31.2	39.9	27.6	23.13	4.0	12.47	0.500	225700.0	768100.0
71	29.0	30.2	27.1	22.16	3.0	12.97	0.500	34300.0	1036300.0
72	43.7	26.9	34.9	45.26	7.8	12.60	0.500	22500.0	604700.0
73	36.7	40.6	30.0	33.13	10.4	11.85	0.500	44000.0	1787500.0
74	38.5	32.3	32.2	47.42	1.1	13.28	0.500	140600.0	5103800.0
75	34.2	31.0	32.4	45.26	1.4	13.28	0.500	195200.0	6051200.0
76	34.1	37.9	32.2	45.50	5.7	15.14	0.500	276900.0	10492300.0

1967-1976
MEAN ERROR 2.84
RMSE 6.21

TABLE 12.— Continued.

(u) Minnesota in CRD SW07 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MN	SW07		65.	1.12	12.	0.	1.00	0.0	0.0	23.5	23.5	31.0	0.09	SW	3400.0	69400.0
MN	SW07		66.	1.12	12.	0.	1.00	0.0	0.0	16.1	16.3	24.5	0.09	SW	3400.0	83000.0
MN	SW07		67.	1.13	21.	0.	1.00	0.0	0.0	31.9	31.9	42.0	0.09	SW	6400.0	213500.0
MN	SW07		68.	1.13	30.	0.	1.00	0.0	0.0	24.0	26.1	27.9	0.09	SW	11900.0	394400.0
MN	SW07		69.	1.14	29.	0.	1.00	0.0	0.0	26.7	26.7	34.0	0.09	SW	9400.0	250200.0
MN	SW07		70.	1.16	31.	0.	1.00	0.0	0.0	19.0	19.0	27.0	0.09	SW	9600.0	272300.0
MN	SW07		71.	1.18	21.	0.	1.00	0.0	0.0	19.7	19.7	28.2	0.09	SW	11400.0	389900.0
MN	SW07		72.	1.20	56.	0.	1.00	0.0	0.0	26.5	26.5	34.9	0.09	SW	10100.0	302700.0
MN	SW07		73.	1.23	49.	0.	1.00	0.0	0.0	23.9	23.9	31.0	0.09	SW	21300.0	700000.0
MN	SW07		74.	1.27	48.	0.	1.00	0.0	0.0	17.2	17.4	22.5	0.09	SW	39300.0	1316600.0
MN	SW07		75.	1.33	49.	0.	1.00	0.0	0.0	18.8	18.8	28.7	0.09	SW	58400.0	1927200.0
MN	SW07		76.	1.39	49.	0.	1.00	0.0	0.0	18.4	18.6	29.5	0.09	SW	205900.0	6548800.0
MNSW			99.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0

MNSW

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	27.5	20.4	0.0	0.0	0.0	0.0	0.0	3400.0	69400.0
66	19.2	24.4	0.0	0.0	0.0	0.0	0.0	3400.0	83000.0
67	38.2	33.4	0.0	0.0	0.0	0.0	0.0	6400.0	213500.0
68	30.2	33.1	0.0	0.0	0.0	0.0	0.0	11900.0	394400.0
69	33.4	26.6	0.0	0.0	0.0	0.0	0.0	9400.0	250200.0
70	25.3	28.4	0.0	0.0	0.0	0.0	0.0	9600.0	272300.0
71	25.5	34.2	0.0	0.0	0.0	0.0	0.0	11400.0	389900.0
72	37.8	30.0	0.0	0.0	0.0	0.0	0.0	10100.0	302700.0
73	34.8	32.9	31.4	28.18	1.5	13.99	0.500	21300.0	700000.0
74	27.3	33.5	28.8	16.16	4.7	15.09	0.500	39300.0	1316600.0
75	30.9	33.0	31.2	18.91	1.8	15.72	0.500	58400.0	1927200.0
76	31.7	31.8	32.0	19.00	-0.2	16.13	0.500	205900.0	6548800.0

1967-1976
MEAN ERROR 1.97
RMSE 2.65

TABLE 12.- Continued.

(v) Minnesota in CRD SC08 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MN	SC08	55	1	1	3	0	1	0	0	25	26	34	0	SW	6250	156710
MN	SC08	56	1	1	4	0	1	0	0	19	21	30	0	SW	15690	341800
MN	SC08	57	1	1	5	0	1	0	0	19	21	30	0	SW	23900	655400
MN	SC08	58	1	1	6	0	1	0	0	33	33	44	0	SW	54600	1927300
MN	SC08	59	1	1	7	0	1	0	0	17	17	24	0	SW	94200	2647800
MN	SC08	60	1	1	8	0	1	0	0	25	25	33	0	SW	101200	2478100
MN	SC08	61	1	1	9	0	1	0	0	25	25	33	0	SW	105500	3231900
MN	SC08	62	1	1	10	0	1	0	0	25	25	33	0	SW	72400	1893600
MN	SC08	63	1	1	11	0	1	0	0	25	25	33	0	SW	98300	2695900
MN	SC08	64	1	1	12	0	1	0	0	25	25	33	0	SW	61000	1526000
MN	SC08	65	1	1	12	0	1	0	0	25	25	33	0	SW	16000	389900
MN	SC08	66	1	1	12	0	1	0	0	25	25	33	0	SW	18500	509800
MN	SC08	67	1	1	13	0	1	0	0	25	25	33	0	SW	24000	780000
MN	SC08	68	1	1	14	0	1	0	0	25	25	33	0	SW	34700	1250500
MN	SC08	69	1	1	14	0	1	0	0	25	25	33	0	SW	30600	855300
MN	SC08	70	1	1	16	0	1	0	0	25	25	33	0	SW	24300	749800
MN	SC08	71	1	1	16	0	1	0	0	25	25	33	0	SW	18700	579800
MN	SC08	72	1	1	17	0	1	0	0	25	25	33	0	SW	9200	313500
MN	SC08	73	1	1	17	0	1	0	0	25	25	33	0	SW	15200	589700
MN	SC08	74	1	1	17	0	1	0	0	25	25	33	0	SW	67900	2674700
MN	SC08	75	1	1	17	0	1	0	0	25	25	33	0	SW	75100	2328100
MN	SC08	76	1	1	17	0	1	0	0	25	25	33	0	SW	182900	8403300
MN	SC	98	0	50	0	0	0	0	0	0	0	0	0	SW	0	0

MNSC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	28.3	25.1	0.0	0.0	0.0	0.0	0.0	15690	156710
56	22.8	21.8	0.0	0.0	0.0	0.0	0.0	23900	341800
57	37.5	37.4	0.0	0.0	0.0	0.0	0.0	54600	655400
58	37.3	35.3	0.0	0.0	0.0	0.0	0.0	94200	1927300
59	19.8	28.1	0.0	0.0	0.0	0.0	0.0	101200	2478100
60	9.1	34.5	0.0	0.0	0.0	0.0	0.0	105500	3231900
61	9.6	35.5	0.0	0.0	0.0	0.0	0.0	72400	1893600
62	8.7	25.2	0.0	0.0	0.0	0.0	0.0	98300	2695900
63	4.5	27.4	0.0	0.0	0.0	0.0	0.0	61000	1526000
64	1.0	35.0	0.0	0.0	0.0	0.0	0.0	16000	389900
65	1.0	24.3	0.0	0.0	0.0	0.0	0.0	18500	509800
66	6.9	27.6	0.0	0.0	0.0	0.0	0.0	24000	780000
67	7.3	32.5	0.0	0.0	0.0	0.0	0.0	34700	1250500
68	8.8	35.0	0.0	0.0	0.0	0.0	0.0	30600	855300
69	3.4	28.0	0.0	0.0	0.0	0.0	0.0	24300	749800
70	6.6	19.9	0.0	0.0	0.0	0.0	0.0	18700	579800
71	9.9	11.0	0.0	0.0	0.0	0.0	0.0	9200	313500
72	1.4	34.1	0.0	0.0	0.0	0.0	0.0	15200	589700
73	8.8	33.8	0.0	0.0	0.0	0.0	0.0	67900	2674700
74	7.7	39.4	0.0	0.0	0.0	0.0	0.0	75100	2328100
75	1.1	35.0	0.0	0.0	0.0	0.0	0.0	182900	8403300
76	6.2	45.9	0.0	0.0	0.0	0.0	0.0		

1967-1976
MEAN ERROR 3.35
RMSE 6.47

TABLE 12.— Continued.

(w) South Dakota aggregation to SRS yields

SD	YR	SRS	ESTY	ERROR	ACREAGE	PRODUCTION
	55	0.0	0.0	0.0	0.0	0.0
	56	0.0	0.0	0.0	0.0	0.0
	57	0.0	0.0	0.0	0.0	0.0
	58	0.0	0.0	0.0	0.0	0.0
	59	0.0	0.0	0.0	0.0	0.0
	60	0.0	0.0	0.0	0.0	0.0
	61	0.0	0.0	0.0	0.0	0.0
	62	0.0	0.0	0.0	0.0	0.0
	63	13.0	13.8	-0.8	1440780.0	18744592.0
	64	14.0	14.7	-0.7	1541380.0	21551568.0
	65	17.9	16.7	1.2	1558080.0	27875856.0
	66	15.4	11.2	4.1	1568230.0	24077520.0
	67	24.4	18.7	5.7	1752170.0	42680736.0
	68	23.5	20.4	3.1	1633770.0	38358416.0
	69	20.8	22.3	-1.5	1249000.0	26002976.0
	70	20.1	16.8	3.3	1199770.0	24070704.0
	71	28.5	18.3	10.1	1551790.0	44156608.0
	72	24.1	25.1	-1.0	1165270.0	28062544.0
	73	23.1	21.4	1.7	1600390.0	36927552.0
	74	15.0	17.3	-2.3	2112500.0	31637968.0
	75	18.1	19.3	-1.2	2144300.0	38878768.0
	76	10.9	19.7	-8.9	1942900.0	21081168.0
			1967-1976			
			MEAN ERROR	0.89		
			RMSE	4.96		

TABLE 12.-- Continued.

(x) South Dakota in CRD NW01 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
SD	NW01		55.	1.13	0.	0.	0.50	0.50	0.0	16.8	20.9	32.7	0.09	SW	225017.0	2182662.0
SD	NW01		56.	1.13	0.	0.	0.50	0.50	0.0	9.0	12.3	22.1	0.09	SW	201380.0	1524260.0
SD	NW01		57.	1.13	0.	0.	0.50	0.50	0.0	15.0	16.0	29.3	0.09	SW	219990.0	3850480.0
SD	NW01		58.	1.13	0.	0.	0.50	0.50	0.0	25.5	27.6	41.9	0.09	SW	253680.0	4893090.0
SD	NW01		59.	1.14	0.	0.	0.50	0.50	0.0	12.0	15.5	23.0	0.09	SW	278500.0	2268300.0
SD	NW01		60.	1.14	0.	0.	0.40	0.60	0.0	13.0	13.4	26.1	0.09	SW	265680.0	2769110.0
SD	NW01		61.	1.14	0.	0.	0.40	0.60	0.0	9.1	13.0	23.7	0.09	SW	182650.0	1146850.0
SD	NW01		62.	1.14	0.	0.	0.40	0.60	0.0	17.8	18.5	32.6	0.09	SW	171230.0	3884410.0
SD	NW01		63.	1.14	0.	0.	0.40	0.60	0.0	12.2	16.7	28.1	0.09	SW	243630.0	4005800.0
SD	NW01		64.	1.14	1.	0.	0.40	0.60	0.0	15.5	18.2	30.5	0.09	SW	273470.0	3627320.0
SD	NW01		65.	1.14	2.	0.	0.40	0.60	0.0	15.4	19.0	27.9	0.09	SW	285520.0	5194550.0
SD	NW01		66.	1.14	2.	0.	0.40	0.60	0.0	7.4	10.1	25.3	0.09	SW	277100.0	4171100.0
SD	NW01		67.	1.14	4.	0.	0.42	0.60	0.0	19.6	22.1	37.6	0.09	SW	269740.0	5810900.0
SD	NW01		68.	1.13	4.	0.	0.40	0.60	0.0	18.2	22.5	34.1	0.09	SW	226800.0	5081700.0
SD	NW01		69.	1.11	8.	0.	0.40	0.72	0.0	20.4	23.4	36.0	0.09	SW	226800.0	5081700.0
SD	NW01		70.	1.13	6.	0.	0.29	0.77	0.0	10.1	13.3	26.1	0.09	SW	223370.0	4071810.0
SD	NW01		71.	1.14	8.	0.	0.23	0.81	0.0	14.3	16.8	31.5	0.09	SW	295370.0	7583950.0
SD	NW01		72.	1.14	9.	0.	0.33	0.74	0.0	26.9	28.0	38.2	0.09	SW	200960.0	5108800.0
SD	NW01		73.	1.14	9.	0.	0.33	0.77	0.0	15.0	18.6	30.0	0.09	SW	235700.0	5491300.0
SD	NW01		74.	1.14	10.	0.	0.33	0.62	0.0	6.1	8.9	24.1	0.09	SW	306200.0	4178200.0
SD	NW01		75.	1.14	6.	0.	0.53	0.47	0.0	13.8	14.4	26.0	0.09	SW	292500.0	55121300.0
SD	NW01		76.	1.14	6.	0.	0.53	0.45	0.0	19.3	23.0	33.2	0.09	SW	345700.0	5989300.0
SD	SDNW		99.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

SDNW

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	21.3	9.6	0.0	0.0	0.0	0.0	0.0	225017.0	2182662.0
56	12.0	7.6	0.0	0.0	0.0	0.0	0.0	201380.0	1524260.0
57	17.5	14.7	0.0	0.0	0.0	0.0	0.0	219990.0	3850480.0
58	30.0	19.3	0.0	0.0	0.0	0.0	0.0	253680.0	4893090.0
59	15.7	8.1	0.0	0.0	0.0	0.0	0.0	278500.0	2268300.0
60	15.7	10.4	0.0	0.0	0.0	0.0	0.0	265680.0	2769110.0
61	13.0	6.3	0.0	0.0	0.0	0.0	0.0	182650.0	1146850.0
62	20.8	22.7	0.0	0.0	0.0	0.0	0.0	171230.0	3884410.0
63	17.0	16.4	1.1	2.5	4.3	3.6	0.500	243630.0	4005800.0
64	19.6	13.4	1.2	4.5	1.3	4.7	0.500	273470.0	3627320.0
65	20.4	13.3	1.1	2.5	3.1	4.9	0.500	285520.0	5194550.0
66	10.4	5.5	1.0	2.9	4.8	4.8	0.500	277100.0	4171100.0
67	20.7	15.1	1.1	3.3	4.9	5.5	0.500	269740.0	5810900.0
68	23.3	11.5	1.1	2.6	2.8	6.7	0.500	226800.0	5081700.0
69	20.8	11.1	1.0	2.4	2.9	7.6	0.500	226800.0	5081700.0
70	15.0	8.0	1.1	2.8	1.1	8.8	0.500	223370.0	4071810.0
71	19.3	11.5	1.1	2.5	2.3	9.9	0.500	295370.0	7583950.0
72	20.3	11.1	1.0	2.6	2.7	8.6	0.500	200960.0	5108800.0
73	21.0	13.3	1.1	2.5	2.4	9.9	0.500	235700.0	5491300.0
74	10.0	5.5	1.1	2.9	1.1	10.9	0.500	306200.0	4178200.0
75	16.0	6.6	1.0	2.1	1.1	10.7	0.500	292500.0	55121300.0
76	14.5	5.5	1.1	2.3	1.1	10.7	0.500	345700.0	5989300.0

1967-1976
MEAN ERROR
RMSE 1.07
3.66

TABLE 12.— Continued.

(y) South Dakota in CRD NC02 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
SD	NC02	55.	1.14	0.	0.	0.70	0.30	0.0	19.1	23.4	33.7	0.09	SW	649400.0	5544300.0	
SD	NC02	56.	1.14	0.	0.	0.70	0.30	0.0	11.5	14.6	24.4	0.09	SW	649400.0	5544300.0	
SD	NC02	57.	1.14	0.	0.	0.70	0.30	0.0	16.0	18.2	28.4	0.09	SW	732300.0	14450500.0	
SD	NC02	58.	1.14	0.	0.	0.70	0.30	0.0	27.9	29.4	40.6	0.09	SW	852190.0	18029600.0	
SD	NC02	59.	1.14	0.	0.	0.70	0.30	0.0	12.9	17.1	23.2	0.09	SW	638620.0	4292850.0	
SD	NC02	60.	1.14	0.	0.	0.70	0.30	0.0	17.1	18.0	26.8	0.09	SW	829700.0	13939200.0	
SD	NC02	61.	1.14	0.	0.	0.70	0.30	0.0	11.4	15.0	28.9	0.09	SW	819200.0	10199200.0	
SD	NC02	62.	1.14	0.	0.	0.70	0.30	0.0	16.4	16.9	27.5	0.09	SW	618600.0	12536100.0	
SD	NC02	63.	1.14	0.	0.	0.70	0.30	0.0	15.4	17.8	28.2	0.09	SW	704700.0	8768200.0	
SD	NC02	64.	1.14	1.	0.	0.70	0.30	0.0	14.9	18.8	26.6	0.09	SW	782700.0	11395800.0	
SD	NC02	65.	1.14	2.	0.	0.70	0.30	0.0	18.6	22.9	38.4	0.09	SW	774200.0	13536500.0	
SD	NC02	66.	1.14	2.	0.	0.70	0.30	0.0	9.6	12.3	25.6	0.09	SW	780300.0	11936500.0	
SD	NC02	67.	1.14	4.	0.	0.69	0.31	0.0	19.3	23.6	33.8	0.09	SW	863300.0	21163888.0	
SD	NC02	68.	1.13	4.	0.	0.78	0.22	0.0	23.3	26.5	33.2	0.09	SW	807900.0	18989600.0	
SD	NC02	69.	1.11	8.	0.	0.65	0.35	0.0	25.8	28.3	37.4	0.09	SW	593500.0	11597300.0	
SD	NC02	70.	1.13	6.	0.	0.52	0.48	0.0	14.1	17.0	29.7	0.09	SW	575000.0	11654800.0	
SD	NC02	71.	1.14	8.	0.	0.55	0.45	0.0	15.8	19.0	28.3	0.09	SW	683300.0	19684688.0	
SD	NC02	72.	1.14	9.	0.	0.57	0.43	0.0	27.0	29.0	35.8	0.09	SW	504460.0	12150000.0	
SD	NC02	73.	1.14	9.	0.	0.57	0.43	0.0	16.3	19.0	29.9	0.09	SW	677400.0	13885600.0	
SD	NC02	74.	1.15	10.	0.	0.79	0.21	0.0	7.9	12.5	21.4	0.09	SW	891700.0	11878900.0	
SD	NC02	75.	1.15	6.	0.	0.82	0.18	0.0	13.8	15.6	27.0	0.09	SW	907800.0	17155488.0	
SD	NC02	76.	1.15	6.	0.	0.86	0.14	0.0	12.8	18.1	29.1	0.09	SW	772300.0	5730600.0	
SD	SDNC	99.	0.50	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0	

SDNC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	23.2	8.5	0.0	0.0	0.0	0.0	0.0	649400.0	5544300.0
56	14.2	8.5	0.0	0.0	0.0	0.0	0.0	649400.0	5544300.0
57	19.0	19.4	0.0	0.0	0.0	0.0	0.0	732300.0	14450500.0
58	32.3	21.2	0.0	0.0	0.0	0.0	0.0	852190.0	18029600.0
59	16.1	16.7	0.0	0.0	0.0	0.0	0.0	638620.0	4292850.0
60	19.8	16.8	0.0	0.0	0.0	0.0	0.0	829700.0	13939200.0
61	14.6	22.5	0.0	0.0	0.0	0.0	0.0	819200.0	10199200.0
62	18.9	20.3	0.0	0.0	0.0	0.0	0.0	618600.0	12536100.0
63	18.4	12.4	13.6	30.30	-1.1	4.39	0.500	704700.0	8768200.0
64	18.1	14.3	14.3	20.21	0.3	5.18	0.500	782700.0	11395800.0
65	22.7	17.1	17.1	13.30	0.4	5.69	0.500	774200.0	13536500.0
66	22.1	15.1	11.2	17.93	4.1	5.17	0.500	780300.0	11936500.0
67	22.3	17.5	23.84	22.19	7.0	5.71	0.500	863300.0	21163888.0
68	22.3	21.4	21.4	22.19	2.0	7.46	0.500	807900.0	18989600.0
69	30.3	23.1	23.1	22.53	-3.5	7.79	0.500	593500.0	11597300.0
70	18.8	22.0	16.8	13.83	3.4	7.68	0.500	575000.0	11654800.0
71	20.8	28.8	18.0	13.62	10.8	7.72	0.500	683300.0	19684688.0
72	22.2	24.1	25.7	26.03	-1.6	9.62	0.500	504460.0	12150000.0
73	21.1	23.0	20.5	22.64	0.0	9.94	0.500	677400.0	13885600.0
74	13.3	16.0	16.0	22.43	-2.7	10.41	0.500	891700.0	11878900.0
75	16.2	18.9	18.6	22.97	0.3	10.22	0.500	907800.0	17155488.0
76	16.2	17.4	18.0	21.31	3.4	9.94	0.500	772300.0	5730600.0

1967-1976
MEAN ERROR
RMSE 5.63

TABLE 12.- Continued.

(z) South Dakota in CRD NE03 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
SD	NE03	55.	1.14	0.0	0.0	0.80	0.20	0.0	18.7	21.8	33.2	0.0	SW	235440.0	3125930.0	
SD	NE03	56.	1.14	0.0	0.0	0.80	0.20	0.0	16.9	19.8	28.5	0.0	SW	235440.0	3125930.0	
SD	NE03	57.	1.14	0.0	0.0	0.80	0.20	0.0	16.9	18.1	29.1	0.0	SW	216090.0	3907930.0	
SD	NE03	58.	1.14	0.0	0.0	0.80	0.20	0.0	29.1	33.4	40.0	0.0	SW	278900.0	6332900.0	
SD	NE03	59.	1.14	0.0	0.0	0.80	0.20	0.0	16.5	19.5	27.2	0.0	SW	220100.0	1551000.0	
SD	NE03	60.	1.14	0.0	0.0	0.80	0.20	0.0	21.4	25.7	29.4	0.0	SW	270700.0	5524900.0	
SD	NE03	61.	1.14	0.0	0.0	0.80	0.20	0.0	18.1	21.1	28.8	0.0	SW	280800.0	4845800.0	
SD	NE03	62.	1.14	0.0	0.0	0.80	0.20	0.0	19.3	22.3	28.6	0.0	SW	239700.0	4525600.0	
SD	NE03	63.	1.14	0.0	0.0	0.80	0.20	0.0	19.3	22.3	28.6	0.0	SW	245100.0	2870800.0	
SD	NE03	64.	1.14	1.1	0.0	0.80	0.20	0.0	17.3	20.3	27.0	0.0	SW	236060.0	3220790.0	
SD	NE03	65.	1.14	2.2	0.0	0.80	0.20	0.0	21.4	25.7	29.4	0.0	SW	234750.0	4519600.0	
SD	NE03	66.	1.14	2.2	0.0	0.80	0.20	0.0	21.4	25.7	29.4	0.0	SW	234750.0	4519600.0	
SD	NE03	67.	1.14	4.4	0.0	0.74	0.26	0.0	26.6	31.5	38.7	0.0	SW	298500.0	8508500.0	
SD	NE03	68.	1.13	4.4	0.0	0.87	0.13	0.0	27.7	32.6	40.0	0.0	SW	278700.0	7407300.0	
SD	NE03	69.	1.11	8.8	0.0	0.76	0.24	0.0	33.3	38.7	47.5	0.0	SW	228000.0	5229600.0	
SD	NE03	70.	1.13	8.8	0.0	0.66	0.34	0.0	22.0	26.5	31.1	0.0	SW	210650.0	4773600.0	
SD	NE03	71.	1.14	9.9	0.0	0.70	0.30	0.0	26.5	31.5	38.7	0.0	SW	227800.0	10638800.0	
SD	NE03	72.	1.14	9.9	0.0	0.75	0.25	0.0	22.0	26.5	31.1	0.0	SW	264390.0	6615700.0	
SD	NE03	73.	1.15	10.0	0.0	0.90	0.10	0.0	14.1	16.1	20.0	0.0	SW	291400.0	10979100.0	
SD	NE03	74.	1.15	6.6	0.0	0.88	0.12	0.0	18.2	21.2	28.9	0.0	SW	506800.0	8749100.0	
SD	NE03	75.	1.15	6.6	0.0	0.88	0.12	0.0	18.2	21.2	28.9	0.0	SW	481800.0	9293200.0	
SD	NE03	76.	1.15	6.6	0.0	0.95	0.05	0.0	15.1	17.4	27.0	0.0	SW	539000.0	5426300.0	
SD	NE03	99.	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0	

SDNE

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	22.0	113.3	0.0	0.0	0.0	0.0	0.0	235440.0	3125930.0
56	19.9	113.3	0.0	0.0	0.0	0.0	0.0	235440.0	3125930.0
57	18.8	113.3	0.0	0.0	0.0	0.0	0.0	216090.0	3907930.0
58	33.4	22.7	0.0	0.0	0.0	0.0	0.0	278900.0	6332900.0
59	19.5	22.7	0.0	0.0	0.0	0.0	0.0	220100.0	1551000.0
60	24.6	22.7	0.0	0.0	0.0	0.0	0.0	270700.0	5524900.0
61	21.1	17.3	0.0	0.0	0.0	0.0	0.0	280800.0	4845800.0
62	21.8	17.3	0.0	0.0	0.0	0.0	0.0	239700.0	4525600.0
63	22.1	17.7	16.1	17.67	1.4	3.04	0.500	245100.0	2870800.0
64	22.2	13.6	14.9	22.29	1.3	4.84	0.500	236060.0	3220790.0
65	25.3	19.3	17.5	22.6	1.1	4.87	0.500	234750.0	4519600.0
66	17.4	19.1	13.3	22.3	0.8	4.61	0.500	234750.0	4519600.0
67	30.7	22.5	22.2	22.3	0.9	5.16	0.500	298500.0	8508500.0
68	32.2	22.6	22.3	22.3	0.8	7.14	0.500	278700.0	7407300.0
69	34.6	22.9	22.4	22.7	0.8	7.44	0.500	228000.0	5229600.0
70	24.9	22.7	19.8	22.3	0.9	7.30	0.500	210650.0	4773600.0
71	26.5	22.5	22.8	22.5	0.9	7.58	0.500	227800.0	10638800.0
72	25.9	22.0	22.5	22.0	0.9	9.90	0.500	264390.0	6615700.0
73	26.4	22.3	22.3	22.3	0.9	10.66	0.500	291400.0	10979100.0
74	17.4	17.3	22.0	22.0	1.1	11.69	0.500	506800.0	8749100.0
75	21.6	19.3	22.0	22.0	1.1	11.46	0.500	481800.0	9293200.0
76	18.1	10.1	19.9	22.2	1.0	11.87	0.500	539000.0	5426300.0

1967-1976
MEAN ERROR 1.19
RMSE 5.96

TABLE 12.- Continued.

(bb) South Dakota in CRD EC06 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
SD	06	55	11	13	0.0	0.0	0.80	0.20	0.0	18.3	21.9	34.9	0.09	SW	38017.0	440993.0
SD	06	56	11	13	0.0	0.0	0.80	0.20	0.0	12.3	16.7	24.9	0.09	SW	36870.0	343690.0
SD	06	57	11	13	0.0	0.0	0.80	0.20	0.0	13.0	13.7	24.8	0.09	SW	326510.0	539890.0
SD	06	58	11	13	0.0	0.0	0.80	0.20	0.0	27.9	28.6	40.4	0.09	SW	44570.0	1051130.0
SD	06	59	11	14	0.0	0.0	0.80	0.20	0.0	15.1	17.9	26.0	0.09	SW	54550.0	995900.0
SD	06	60	11	14	0.0	0.0	0.80	0.20	0.0	21.7	22.0	30.1	0.09	SW	48800.0	920150.0
SD	06	61	11	14	0.0	0.0	0.80	0.20	0.0	15.4	17.1	27.9	0.09	SW	572400.0	995900.0
SD	06	62	11	14	0.0	0.0	0.80	0.20	0.0	19.5	19.7	30.3	0.09	SW	41890.0	631710.0
SD	06	63	11	14	0.0	0.0	0.80	0.20	0.0	13.1	19.1	26.0	0.09	SW	42580.0	495260.0
SD	06	64	11	14	0.0	0.0	0.80	0.20	0.0	17.8	19.3	27.7	0.09	SW	225320.0	369190.0
SD	06	65	11	14	0.0	0.0	0.80	0.20	0.0	21.2	22.4	33.3	0.09	SW	50640.0	501370.0
SD	06	66	11	14	0.0	0.0	0.80	0.20	0.0	23.3	24.2	35.5	0.09	SW	33000.0	454970.0
SD	06	67	11	14	0.0	0.0	0.81	0.19	0.0	30.0	31.1	41.5	0.09	SW	33000.0	910250.0
SD	06	68	11	13	4.4	0.0	0.84	0.16	0.0	30.0	33.7	41.5	0.09	SW	38990.0	376500.0
SD	06	69	11	13	3.8	0.0	0.79	0.21	0.0	25.1	26.0	34.4	0.09	SW	31200.0	633700.0
SD	06	70	11	13	6.6	0.0	0.84	0.16	0.0	17.3	17.7	27.7	0.09	SW	359440.0	1026620.0
SD	06	71	11	13	6.6	0.0	0.84	0.16	0.0	17.3	17.7	27.7	0.09	SW	359440.0	1026620.0
SD	06	72	11	13	9.9	0.0	0.86	0.14	0.0	23.7	23.3	35.5	0.09	SW	60800.0	1524910.0
SD	06	73	11	13	9.9	0.0	0.75	0.25	0.0	22.7	23.3	35.5	0.09	SW	60800.0	1524910.0
SD	06	74	11	13	10.0	0.0	0.95	0.05	0.0	14.9	16.4	21.4	0.09	SW	99800.0	2234900.0
SD	06	75	11	13	6.6	0.0	0.97	0.03	0.0	16.4	17.0	28.0	0.09	SW	99800.0	2234900.0
SD	06	76	11	13	6.6	0.0	0.96	0.04	0.0	16.3	17.8	28.0	0.09	SW	99800.0	1617300.0
SD	06	99	0	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	W	101200.0	1705400.0

50EC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	11.6	11.6	0.0	0.0	0.0	0.0	0.0	38017.0	440993.0
56	14.3	14.3	0.0	0.0	0.0	0.0	0.0	36870.0	343690.0
57	14.8	16.6	0.0	0.0	0.0	0.0	0.0	326510.0	539890.0
58	17.7	23.6	0.0	0.0	0.0	0.0	0.0	44570.0	1051130.0
59	18.9	19.5	0.0	0.0	0.0	0.0	0.0	54550.0	995900.0
60	17.7	18.9	0.0	0.0	0.0	0.0	0.0	48800.0	920150.0
61	17.7	17.7	0.0	0.0	0.0	0.0	0.0	572400.0	995900.0
62	15.1	15.1	0.0	0.0	0.0	0.0	0.0	41890.0	631710.0
63	15.4	15.4	0.0	0.0	0.0	0.0	0.0	42580.0	495260.0
64	19.5	19.5	0.0	0.0	0.0	0.0	0.0	225320.0	369190.0
65	24.2	24.2	0.0	0.0	0.0	0.0	0.0	50640.0	501370.0
66	23.3	23.3	0.0	0.0	0.0	0.0	0.0	33000.0	910250.0
67	35.5	35.5	0.0	0.0	0.0	0.0	0.0	38990.0	376500.0
68	44.4	22.5	0.0	0.0	0.0	0.0	0.0	31200.0	633700.0
69	38.3	11.9	0.0	0.0	0.0	0.0	0.0	359440.0	1026620.0
70	38.3	20.0	0.0	0.0	0.0	0.0	0.0	359440.0	1026620.0
71	38.3	26.0	0.0	0.0	0.0	0.0	0.0	359440.0	1026620.0
72	38.3	21.0	0.0	0.0	0.0	0.0	0.0	359440.0	1026620.0
73	38.3	25.1	0.0	0.0	0.0	0.0	0.0	359440.0	1026620.0
74	38.3	24.9	0.0	0.0	0.0	0.0	0.0	359440.0	1026620.0
75	38.3	17.9	0.0	0.0	0.0	0.0	0.0	359440.0	1026620.0
76	38.3	16.9	0.0	0.0	0.0	0.0	0.0	359440.0	1026620.0

1957-1976
MEAN ERROR 2.34
RMSE 4.44

TABLE 12.— Concluded.

(cc) South Dakota in CRD SE09 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
SD	S		55	1.13	0.0	0.0	0.85	0.15	0.0	18.0	21.0	33.0	0.0	S	33823.0	432939.0
SD	S		56	1.13	0.0	0.0	0.85	0.15	0.0	10.5	15.0	22.0	0.0	S	23200.0	166810.0
SD	S		57	1.13	0.0	0.0	0.85	0.15	0.0	11.0	11.0	17.0	0.0	S	30240.0	627500.0
SD	S		58	1.13	0.0	0.0	0.85	0.15	0.0	27.4	27.0	40.0	0.0	S	48030.0	971760.0
SD	S		59	1.14	0.0	0.0	0.85	0.15	0.0	14.7	14.0	19.0	0.0	S	57570.0	684200.0
SD	S		60	1.14	0.0	0.0	0.85	0.15	0.0	21.0	21.0	30.0	0.0	S	48550.0	1048600.0
SD	S		61	1.14	0.0	0.0	0.85	0.15	0.0	14.0	15.0	20.0	0.0	S	69350.0	1108000.0
SD	S		62	1.14	0.0	0.0	0.85	0.15	0.0	19.0	19.0	26.0	0.0	S	38590.0	496970.0
SD	S		63	1.14	0.0	0.0	0.85	0.15	0.0	17.0	18.0	25.0	0.0	S	42970.0	509310.0
SD	S		64	1.14	1.0	0.0	0.85	0.15	0.0	21.0	21.0	30.0	0.0	S	22410.0	407390.0
SD	S		65	1.14	2.0	0.0	0.85	0.15	0.0	21.0	21.0	30.0	0.0	S	22410.0	407390.0
SD	S		66	1.14	2.0	0.0	0.85	0.15	0.0	23.0	23.0	34.0	0.0	S	24970.0	375970.0
SD	S		67	1.14	4.0	0.0	0.85	0.15	0.0	30.0	30.0	41.0	0.0	S	27830.0	629680.0
SD	S		68	1.13	4.0	0.0	0.91	0.09	0.0	16.0	16.0	22.0	0.0	S	29640.0	514000.0
SD	S		69	1.11	0.0	0.0	0.85	0.15	0.0	21.0	21.0	30.0	0.0	S	20700.0	422100.0
SD	S		70	1.13	6.0	0.0	0.91	0.09	0.0	15.0	15.0	20.0	0.0	S	19450.0	375000.0
SD	S		71	1.13	0.0	0.0	0.83	0.17	0.0	11.0	11.0	15.0	0.0	S	18740.0	483760.0
SD	S		72	1.13	9.0	0.0	0.85	0.15	0.0	22.0	22.0	30.0	0.0	S	16640.0	330100.0
SD	S		73	1.13	9.0	0.0	0.85	0.15	0.0	22.0	22.0	30.0	0.0	S	22830.0	610380.0
SD	S		74	1.13	10.0	0.0	0.83	0.17	0.0	16.0	16.0	22.0	0.0	S	42600.0	955100.0
SD	S		75	1.13	6.0	0.0	0.94	0.06	0.0	14.0	14.0	19.0	0.0	S	44100.0	788300.0
SD	S		76	1.13	6.0	0.0	0.97	0.03	0.0	18.0	18.0	25.0	0.0	S	60100.0	1367500.0
SD	SE	SW	96	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SW	0.0	0.0

SDSE

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	21.0	12.8	0.0	0.0	0.0	0.0	0.0	33823.0	432939.0
56	12.7	7.2	0.0	0.0	0.0	0.0	0.0	23200.0	166810.0
57	13.3	20.8	0.0	0.0	0.0	0.0	0.0	30240.0	627500.0
58	31.0	20.2	0.0	0.0	0.0	0.0	0.0	48030.0	971760.0
59	17.2	11.9	0.0	0.0	0.0	0.0	0.0	57570.0	684200.0
60	24.9	21.6	0.0	0.0	0.0	0.0	0.0	48550.0	1048600.0
61	16.6	15.0	0.0	0.0	0.0	0.0	0.0	69350.0	1108000.0
62	22.0	12.9	0.0	0.0	0.0	0.0	0.0	38590.0	496970.0
63	20.0	11.0	0.0	0.0	0.0	0.0	0.0	42970.0	509310.0
64	21.0	13.5	0.0	2.4	1.5	0.0	0.0	22410.0	396870.0
65	24.0	18.2	0.0	4.4	3.3	0.0	0.0	22410.0	407390.0
66	15.6	15.1	0.0	0.5	0.3	0.0	0.0	24970.0	375970.0
67	37.0	22.6	0.0	14.4	9.9	0.0	0.0	27830.0	629680.0
68	19.0	17.7	0.0	1.0	0.8	0.0	0.0	29640.0	514000.0
69	24.0	20.0	0.0	4.0	3.1	0.0	0.0	20700.0	422100.0
70	18.0	19.3	0.0	1.3	0.4	0.0	0.0	19450.0	375000.0
71	18.0	25.0	0.0	7.0	4.8	0.0	0.0	18740.0	483760.0
72	26.0	21.0	0.0	5.0	3.3	0.0	0.0	16640.0	330100.0
73	26.0	21.0	0.0	5.0	3.3	0.0	0.0	22830.0	610380.0
74	19.0	22.0	0.0	3.0	2.4	0.0	0.0	42600.0	955100.0
75	17.0	18.0	0.0	1.0	0.8	0.0	0.0	44100.0	788300.0
76	21.0	22.0	0.0	1.0	0.7	0.0	0.0	60100.0	1367500.0

1967-1976
MEAN ERROR 2.94
RMSE 4.53

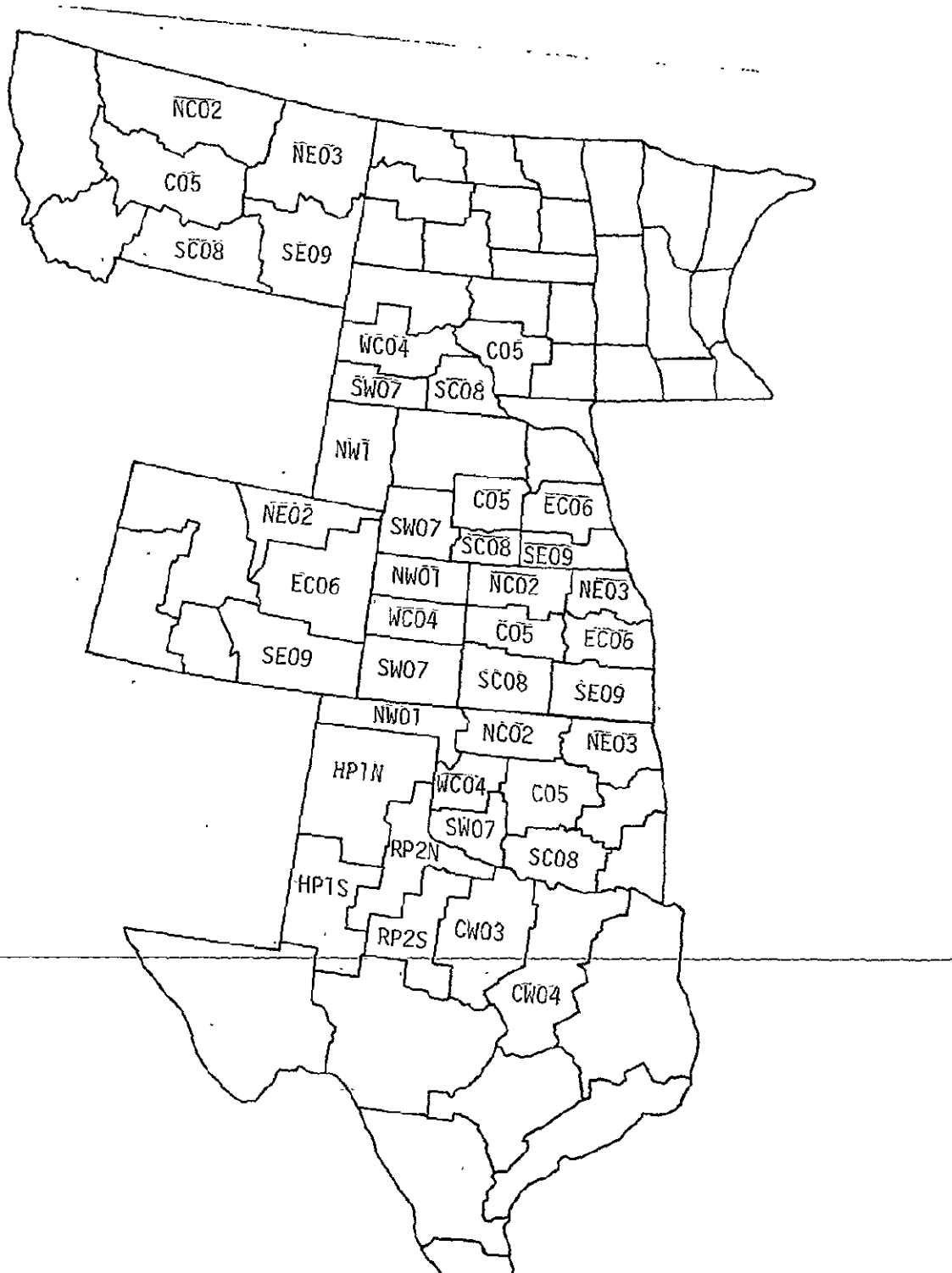


Figure 10.— Map of the CRD's used to test the Feyerherm winter wheat model.

TABLE 13.— Continued.

(b) Montana aggregation to SRS yields

Year	Area	Yield	Yield	Yield	Yield
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
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2013
2014
2015
2016
2017
2018
2019
2020

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OF POOR QUALITY

TABLE 13.— Continued.

(c) Montana in CRD NC02 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI v	CON	FAL	JHR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MT	NC02	CUT	55.	0.98	0.	30.	0.0	0.99	0.01	23.5	31.4	37.5	0.18	WW	851567.0	25972768.0
MT	NC02	CUT	56.	0.99	0.	31.	0.0	0.99	0.01	23.4	31.5	35.7	0.18	WW	851567.0	20778224.0
MT	NC02	CUT	57.	0.99	0.	32.	0.0	0.99	0.01	23.1	30.6	37.4	0.18	WW	851567.0	19756336.0
MT	NC02	CUT	58.	1.00	0.	33.	0.0	0.99	0.01	27.1	33.5	37.4	0.18	WW	851567.0	24780576.0
MT	NC02	CUT	59.	1.02	0.	34.	0.0	0.99	0.01	24.3	32.3	37.7	0.19	WW	851567.0	23929008.0
MT	NC02	CUT	60.	1.04	0.	35.	0.0	0.98	0.02	23.7	31.4	35.5	0.18	WW	902500.0	23734592.0
MT	NC02	CUT	61.	1.04	0.	36.	0.0	0.99	0.01	15.0	23.7	35.5	0.17	WW	968600.0	20588056.0
MT	NC02	CUT	62.	1.05	0.	37.	0.0	0.99	0.01	24.3	34.0	35.0	0.20	WW	683600.0	13464100.0
MT	NC02	CUT	63.	1.05	0.	38.	0.0	0.99	0.01	25.2	32.9	38.2	0.18	WW	757400.0	15711200.0
MT	NC02	CUT	64.	1.05	0.	39.	0.0	0.99	0.01	25.5	30.5	38.2	0.18	WW	778600.0	22881600.0
MT	NC02	CUT	65.	1.05	0.	40.	0.0	0.99	0.01	27.7	34.1	36.1	0.19	WW	1245200.0	39548800.0
MT	NC02	CUT	66.	1.08	0.	41.	0.0	0.99	0.01	24.5	32.0	36.7	0.17	WW	1040400.0	34467392.0
MT	NC02	CUT	67.	1.09	0.	42.	0.0	0.99	0.01	28.8	34.0	37.3	0.19	WW	1369400.0	38716592.0
MT	NC02	CUT	68.	1.09	0.	43.	0.0	0.99	0.01	26.2	35.3	38.1	0.18	WW	1380000.0	42645068.0
MT	NC02	CUT	69.	1.10	0.	44.	0.0	0.99	0.01	25.2	33.3	36.6	0.18	WW	1140000.0	28576000.0
MT	NC02	CUT	70.	1.10	0.	45.	0.0	0.99	0.01	25.0	33.2	35.5	0.18	WW	589000.0	16841696.0
MT	NC02	CUT	71.	1.11	0.	45.	0.0	0.99	0.01	23.4	31.7	37.4	0.18	WW	825000.0	25072592.0
MT	NC02	CUT	72.	1.11	0.	47.	0.0	0.99	0.01	23.6	30.0	37.7	0.18	WW	828000.0	19470096.0
MT	NC02	CUT	73.	1.11	0.	48.	0.0	0.99	0.01	23.4	29.2	35.4	0.18	WW	1090000.0	26857596.0
MT	NC02	CUT	74.	1.11	0.	48.	0.0	1.00	0.00	24.4	30.2	36.5	0.18	WW	1328000.0	36312400.0
MT	NC02	CUT	75.	1.11	0.	48.	0.0	1.00	0.00	32.4	36.5	38.3	0.22	WW	1610000.0	60993392.0
MT	NC02	CUT	76.	1.12	0.	48.	0.0	1.00	0.00	30.2	36.8	38.3	0.18	WW	1633600.0	54678496.0
MT	NC		55.	0.75	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0

MTNC

YR	WAC	SRS	ESTY	VAR	ERROR	ITER	SLOPE	ACF	4CF	PRODUCTION
55	34.8	30.5	0.0	0.0	0.0	0.0	0.0	851567.0	25972768.0	
56	31.3	24.4	0.0	0.0	0.0	0.0	0.0	851567.0	20778224.0	
57	30.4	23.2	0.0	0.0	0.0	0.0	0.0	851567.0	19756336.0	
58	33.5	29.1	0.0	0.0	0.0	0.0	0.0	851567.0	24780576.0	
59	33.1	28.1	0.0	0.0	0.0	0.0	0.0	851567.0	23929008.0	
60	32.0	26.3	0.0	0.0	0.0	0.0	0.0	902500.0	23734592.0	
61	24.8	21.3	0.0	0.0	0.0	0.0	0.0	968600.0	20588056.0	
62	35.8	10.7	0.0	0.0	0.0	0.0	0.0	683600.0	13464100.0	
63	34.7	20.7	27.3	17.14	-7.5	1.26	0.750	757400.0	15711200.0	
64	32.2	24.4	24.2	19.28	-5.2	0.05	0.750	778600.0	22881600.0	
65	36.7	31.8	20.1	29.15	3.7	0.59	0.750	1245200.0	39548800.0	
66	36.0	23.1	27.1	27.75	5.0	1.07	0.750	1040400.0	34467392.0	
67	38.6	28.3	30.3	35.46	-2.0	1.35	0.750	1369400.0	38716592.0	
68	30.2	28.9	30.2	33.78	0.7	0.85	0.750	1380000.0	42645068.0	
69	36.8	24.1	28.4	28.47	-3.4	0.34	0.750	1140000.0	28576000.0	
70	37.6	24.5	28.4	28.94	0.2	0.19	0.750	589000.0	16841696.0	
71	36.3	20.4	28.4	14.28	2.0	1.14	0.750	825000.0	25072592.0	
72	34.5	23.5	28.1	12.15	-4.6	2.19	0.750	828000.0	19470096.0	
73	33.6	24.6	26.4	20.05	-1.9	1.24	0.750	1090000.0	26857596.0	
74	34.2	27.3	27.1	12.98	-1.1	0.04	0.750	1328000.0	36312400.0	
75	41.4	37.0	31.1	14.58	6.8	0.08	0.750	1610000.0	60993392.0	
76	44.5	33.0	34.4	24.61	-0.0	1.02	0.750	1633600.0	54678496.0	

1967-1976
MEAN ERROR -0.19
RMSE 3.03

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.- Continued.

(e) Montana in CRD C05 to SRS yields

STATE	CRD	STN	YR	VYA	NI	N	NI	W	COM	FAL	IMP	WAC	C	VAC	F	WAC	I	WAC	N	CROP	ACREAGE	PRODUCTION
MT	000005	55	0.94	0.00	0.00	30.0	0.00	0.00	0.00	0.99	0.01	27.0	0.7	33.0	0.2	37.5	0.1	0.18	WW	359633.0	9206613.0	
MT	000005	56	0.99	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	22.5	0.9	31.0	1.9	36.1	0.18	0.18	WW	359633.0	6149730.0	
MT	000005	57	0.99	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	25.0	0.9	31.0	1.9	37.8	0.18	0.18	WW	359633.0	9602210.0	
MT	000005	58	1.03	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	24.0	0.2	35.0	0.2	37.4	0.17	0.17	WW	359633.0	10321477.0	
MT	000005	59	1.04	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	24.0	0.0	33.0	0.2	37.8	0.18	0.18	WW	359633.0	9458357.0	
MT	000005	60	1.04	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	24.0	0.0	33.0	0.2	37.5	0.18	0.18	WW	401800.0	9165800.0	
MT	000005	61	1.05	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	15.0	0.2	32.0	0.7	35.0	0.17	0.17	WW	386900.0	8432100.0	
MT	000005	62	1.05	0.00	0.00	37.0	0.00	0.00	0.99	0.01	0.00	31.0	0.0	35.0	0.1	37.1	0.19	0.19	WW	290200.0	7327400.0	
MT	000005	63	1.05	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	26.0	0.1	34.0	0.0	38.2	0.18	0.18	WW	387000.0	11135800.0	
MT	000005	64	1.05	0.00	0.00	40.0	0.00	0.00	0.99	0.01	0.00	26.0	0.6	31.0	0.5	37.9	0.19	0.19	WW	373300.0	11325500.0	
MT	000005	65	1.06	0.00	0.00	40.0	0.00	0.00	0.99	0.01	0.00	27.0	0.4	34.0	0.0	38.4	0.19	0.19	WW	405200.0	11912900.0	
MT	000005	66	1.06	0.00	0.00	41.0	0.00	0.00	0.99	0.01	0.00	22.0	0.7	33.0	0.8	36.4	0.17	0.17	WW	389700.0	11242200.0	
MT	000005	67	1.07	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	31.0	0.6	37.0	0.4	38.1	0.19	0.19	WW	481400.0	14613400.0	
MT	000005	68	1.07	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	28.0	0.5	37.0	0.5	38.4	0.19	0.19	WW	471000.0	15429700.0	
MT	000005	69	1.07	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	25.0	0.7	32.0	0.9	37.1	0.18	0.18	WW	364000.0	8343000.0	
MT	000005	70	1.08	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	26.0	0.4	34.0	0.0	36.4	0.18	0.18	WW	297600.0	6823300.0	
MT	000005	71	1.08	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	25.0	0.2	34.0	0.0	37.5	0.18	0.18	WW	319000.0	9580800.0	
MT	000005	72	1.10	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	23.0	0.8	31.0	0.0	38.2	0.18	0.18	WW	298000.0	7364800.0	
MT	000005	73	1.11	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	26.0	0.0	31.0	0.5	35.7	0.18	0.18	WW	312000.0	7692600.0	
MT	000005	74	1.10	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	25.0	0.5	32.0	0.0	36.7	0.18	0.18	WW	413000.0	13834600.0	
MT	000005	75	1.12	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	32.0	0.0	35.0	0.0	38.6	0.20	0.20	WW	445000.0	14765800.0	
MT	000005	76	0.75	0.00	0.00	0.0	0.00	0.00	1.00	0.00	0.00	30.0	0.7	39.0	0.8	38.6	0.18	0.18	WW	450100.0	14410800.0	
MT	000005	99	0.75	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0	

MTC

YR	WAC	SRS	FSTY	VAR	ERROR	INTER	SLOPE	ACRFAGE	PRODUCTION
55	32.6	25.6	0.00	0.00	0.00	0.00	0.00	359633.0	9206613.0
56	30.8	17.1	0.00	0.00	0.00	0.00	0.00	359633.0	6149730.0
57	31.6	26.7	0.00	0.00	0.00	0.00	0.00	359633.0	9602210.0
58	35.2	28.7	0.00	0.00	0.00	0.00	0.00	359633.0	10321477.0
59	32.8	26.3	0.00	0.00	0.00	0.00	0.00	359633.0	9458357.0
60	33.4	22.8	0.00	0.00	0.00	0.00	0.00	401800.0	9165800.0
61	33.6	21.8	0.00	0.00	0.00	0.00	0.00	386900.0	8432100.0
62	36.0	25.8	0.00	0.00	0.00	0.00	0.00	290200.0	7327400.0
63	35.7	28.8	27.00	15.22	1.8	0.10	0.750	387000.0	11135800.0
64	33.2	30.3	25.2	14.07	5.1	0.30	0.750	373300.0	11325500.0
65	36.4	24.4	24.3	10.29	0.1	1.73	0.750	405200.0	11912900.0
66	33.1	22.4	25.4	8.78	2.4	1.58	0.750	389700.0	11242200.0
67	40.4	30.4	32.1	13.70	-1.3	1.70	0.750	481400.0	14613400.0
68	40.7	32.4	32.1	12.62	0.6	1.58	0.750	471000.0	15429700.0
69	36.1	23.1	24.2	7.33	-6.2	2.14	0.750	364000.0	8343000.0
70	37.7	23.0	20.4	11.37	-6.4	1.12	0.750	297600.0	6823300.0
71	37.7	30.0	20.0	16.47	1.0	0.77	0.750	319000.0	9580800.0
72	36.1	24.7	27.8	16.31	-3.1	0.74	0.750	298000.0	7364800.0
73	36.0	24.7	26.7	13.40	-2.1	-0.24	0.750	312000.0	7692600.0
74	36.2	33.5	26.4	12.86	7.1	-0.76	0.750	413000.0	13834600.0
75	41.4	33.2	30.0	25.41	2.2	-0.46	0.750	445000.0	14765800.0
76	44.5	32.0	33.2	42.41	-1.1	-0.19	0.750	450100.0	14410800.0

1967-1976
MEAN ERROR -0.93
RMSE 3.96

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.- Continued.

(f) Montana in CRD SC08 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAI	ERR	WAC C	*AC F	*AC I	WAC N	CROP	ACREAGE	PRODUCTION
MT	SC08	RIL	55.	0.98	0.	30.	0.0	0.97	0.03	25.7	32.0	34.7	0.18	WW	225933.0	4631633.0
MT	SC08	RIL	55.	0.99	0.	31.	0.0	0.97	0.03	22.0	31.1	35.3	0.18	WW	225933.0	4450887.0
MT	SC08	RIL	57.	0.99	0.	32.	0.0	0.97	0.03	27.4	33.5	37.6	0.13	WW	225933.0	6348727.0
MT	SC08	RIL	54.	1.00	0.	33.	0.0	0.97	0.03	27.3	35.5	37.3	0.17	WW	225933.0	6140573.0
MT	SC08	RIL	54.	1.02	0.	34.	0.0	0.97	0.03	21.2	31.3	37.6	0.17	WW	225933.0	4943127.0
MT	SC08	RIL	54.	1.04	0.	35.	0.0	0.95	0.04	23.2	27.2	37.0	0.17	WW	245000.0	4467400.0
MT	SC08	RIL	61.	1.04	0.	36.	0.0	0.96	0.04	16.2	27.5	34.9	0.17	WW	226500.0	3431600.0
MT	SC08	RIL	52.	1.05	0.	37.	0.0	0.96	0.04	31.1	32.5	36.8	0.18	WW	206200.0	6003200.0
MT	SC08	RIL	63.	1.05	0.	38.	0.0	0.96	0.04	27.9	35.6	35.2	0.18	WW	241300.0	7681000.0
MT	SC08	RIL	74.	1.04	0.	39.	0.0	0.95	0.04	24.4	32.0	36.6	0.18	WW	214500.0	6189100.0
MT	SC08	RIL	65.	1.06	0.	40.	0.0	0.95	0.04	24.3	32.3	33.7	0.18	WW	243200.0	6321200.0
MT	SC08	RIL	66.	1.06	0.	41.	0.0	0.97	0.03	20.2	27.0	36.6	0.19	WW	230900.0	6052400.0
MT	SC08	RIL	67.	1.07	0.	42.	0.0	0.95	0.04	32.6	37.4	33.3	0.18	WW	310600.0	10636400.0
MT	SC08	RIL	68.	1.07	3.	43.	0.0	0.98	0.02	20.7	32.9	34.4	0.18	WW	277000.0	5010080.0
MT	SC08	RIL	69.	1.07	3.	44.	0.0	0.98	0.02	25.0	32.4	37.7	0.18	WW	222000.0	5571000.0
MT	SC08	RIL	70.	1.07	3.	45.	0.0	0.99	0.01	29.5	36.5	36.5	0.18	WW	203000.0	5061100.0
MT	SC08	RIL	71.	1.07	5.	46.	0.0	0.94	0.02	27.9	37.6	33.1	0.18	WW	219000.0	6258900.0
MT	SC08	RIL	72.	1.08	7.	47.	0.0	0.98	0.02	27.1	35.0	33.3	0.18	WW	209000.0	65603400.0
MT	SC08	RIL	73.	1.09	5.	48.	0.0	0.97	0.03	28.4	35.2	35.4	0.18	WW	227000.0	5614900.0
MT	SC08	RIL	74.	1.04	5.	48.	0.0	0.98	0.02	24.7	31.6	35.1	0.18	WW	295000.0	9394300.0
MT	SC08	RIL	75.	1.14	5.	48.	0.0	0.92	0.02	31.7	36.9	38.2	0.18	WW	303000.0	9426200.0
MT	SC08	RIL	75.	1.12	5.	48.	0.10	0.97	0.02	29.1	37.0	38.7	0.18	WW	302200.0	8901600.0
MT	SC08	RIL	94.	0.75	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

MTSC

YR	WAC	SPS	ESTY	VAR	ERROR	INTER	SLOPE	ACRFAGE	PRODUCTION
55	31.7	20.5	0.0	0.0	0.0	0.0	0.0	225933.0	4631633.0
56	31.1	19.7	0.0	0.0	0.0	0.0	0.0	225933.0	4450887.0
57	33.5	28.1	0.0	0.0	0.0	0.0	0.0	225933.0	6348727.0
59	35.7	27.4	0.0	0.0	0.0	0.0	0.0	225933.0	6140573.0
59	32.3	22.1	0.0	0.0	0.0	0.0	0.0	225933.0	4943127.0
60	32.4	12.2	0.0	0.0	0.0	0.0	0.0	245000.0	4467400.0
61	24.2	15.1	0.0	0.0	0.0	0.0	0.0	26500.0	3431600.0
62	37.8	20.1	0.0	0.0	0.0	0.0	0.0	205200.0	6003200.0
63	37.8	31.8	26.5	15.15	5.3	-1.84	0.750	241300.0	7681000.0
64	32.4	27.2	23.3	15.56	4.0	-0.99	0.750	219500.0	6189100.0
65	35.2	26.3	26.3	17.67	0.3	-0.05	0.750	243200.0	6321200.0
66	29.5	26.2	21.6	17.48	4.7	-0.48	0.750	230900.0	7681000.0
67	40.0	34.2	30.4	25.42	3.0	-0.04	0.750	310600.0	10636400.0
68	40.2	32.0	30.2	23.61	2.3	0.70	0.750	277000.0	5010080.0
69	35.5	27.6	27.6	7.64	1.5	1.94	0.750	222000.0	5571000.0
70	36.8	24.9	22.0	6.31	1.7	0.12	0.750	203000.0	5061100.0
71	41.4	28.6	32.4	15.73	1.3	1.39	0.750	219500.0	6258900.0
72	40.4	31.6	31.2	15.21	1.6	0.54	0.750	209000.0	65603400.0
73	39.0	24.7	30.0	12.31	1.5	0.31	0.750	227000.0	5614900.0
74	35.4	31.2	26.3	17.47	1.5	0.26	0.750	295000.0	9394300.0
75	41.8	32.8	31.3	21.65	1.1	0.11	0.750	303000.0	9426200.0
76	41.4	29.8	30.6	17.45	1.1	0.41	0.750	302200.0	8901600.0

1967-1976
MEAN ERROR -0.73
R 3.92

TABLE 13.— Continued.

(g) Montana in CRD SE09 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IKK	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
MT	SF09	MLC	55	0.98	0.	30.	0.00	0.99	0.01	21.3	21.3	36.1	0.18	WW	140233.0	2804667.0
MT	SF09	MLC	56	0.99	0.	31.	0.00	0.99	0.01	13.7	21.9	36.1	0.17	WW	140233.0	1823033.0
MT	SF09	MLC	57	0.99	0.	32.	0.00	0.99	0.01	23.2	28.4	36.9	0.18	WW	140233.0	3758253.0
MT	SF09	MLC	58	1.00	0.	33.	0.00	0.99	0.01	22.2	28.4	35.1	0.17	WW	140233.0	2944900.0
MT	SF09	MLC	59	1.02	0.	34.	0.00	0.99	0.01	17.1	24.1	34.7	0.17	WW	140233.0	2187640.0
MT	SF09	MLC	60	1.04	0.	35.	0.00	0.99	0.01	23.1	31.1	35.5	0.17	WW	159100.0	2637100.0
MT	SF09	MLC	61	1.04	0.	36.	0.00	0.99	0.01	13.0	14.0	31.9	0.17	WW	123800.0	991000.0
MT	SF09	MLC	62	1.05	0.	37.	0.00	0.99	0.01	30.6	34.6	34.0	0.20	WW	137400.0	2212800.0
MT	SF09	MLC	63	1.05	0.	38.	0.00	0.99	0.01	20.2	36.4	33.0	0.19	WW	143600.0	4106800.0
MT	SF09	MLC	64	1.05	0.	39.	0.00	0.99	0.01	20.4	37.0	33.2	0.17	WW	137700.0	3221900.0
MT	SF09	MLC	65	1.06	0.	40.	0.00	0.99	0.01	23.5	30.0	37.2	0.19	WW	142500.0	2643000.0
MT	SF09	MLC	66	1.09	0.	41.	0.00	0.99	0.01	18.5	35.3	35.0	0.18	WW	145200.0	3081100.0
MT	SF09	MLC	67	1.11	0.	42.	0.00	0.99	0.01	27.1	31.8	35.5	0.20	WW	178900.0	5556500.0
MT	SF09	MLC	68	1.09	0.	43.	0.00	1.00	0.00	27.0	34.9	35.2	0.19	WW	168000.0	5547400.0
MT	SF09	MLC	69	1.11	0.	44.	0.00	0.99	0.01	22.2	37.4	35.5	0.18	WW	154000.0	3914000.0
MT	SF09	MLC	70	1.11	0.	45.	0.00	1.00	0.00	22.0	32.2	35.0	0.19	WW	118000.0	2985700.0
MT	SF09	MLC	71	1.10	0.	46.	0.00	1.00	0.00	24.0	32.0	34.0	0.20	WW	127000.0	3691000.0
MT	SF09	MLC	72	1.10	0.	47.	0.00	1.00	0.00	29.3	32.0	34.8	0.20	WW	141000.0	4680600.0
MT	SF09	MLC	73	1.11	0.	48.	0.00	1.00	0.00	24.7	33.5	34.5	0.19	WW	134000.0	4389900.0
MT	SF09	MLC	74	1.10	0.	49.	0.00	1.00	0.00	21.7	33.3	34.8	0.19	WW	188000.0	5776400.0
MT	SF09	MLC	75	1.10	0.	50.	0.00	0.99	0.01	27.3	32.0	34.4	0.22	WW	178000.0	4872900.0
MT	SF09	MLC	76	1.12	0.	51.	0.00	1.00	0.00	23.8	33.7	35.5	0.17	WW	204800.0	5868600.0
MT	SF09	MLC	48	0.75	0.	0.	0.00	0.00	0.00	0.0	0.0	0.0	0.0		0.0	0.0

MTSF

YR	WAC	SRS	FSTY	VAR	ERROR	INTER	SLOPE	ACRFAGE	PRODUCTION
55	27.9	20.0	0.0	0.0	0.0	0.0	0.0	140233.0	2804667.0
56	21.8	13.0	0.0	0.0	0.0	0.0	0.0	140233.0	1823033.0
57	28.3	26.8	0.0	0.0	0.0	0.0	0.0	140233.0	3758253.0
58	23.2	21.0	0.0	0.0	0.0	0.0	0.0	140233.0	2944900.0
59	24.7	15.6	0.0	0.0	0.0	0.0	0.0	140233.0	2187640.0
60	32.5	16.6	0.0	0.0	0.0	0.0	0.0	159100.0	2637100.0
61	20.0	8.0	0.0	0.0	0.0	0.0	0.0	123800.0	991000.0
62	20.4	14.1	0.0	0.0	0.0	0.0	0.0	137400.0	2212800.0
63	34.2	28.6	25.2	50.1	33.4	3.47	0.750	143600.0	4106800.0
64	34.0	23.4	18.3	32.7	5.1	1.36	0.750	137700.0	3221900.0
65	32.7	18.5	21.8	37.7	3.2	1.73	0.750	142500.0	2643000.0
66	37.0	21.2	16.8	24.2	4.5	1.18	0.750	145200.0	3081100.0
67	25.0	31.1	22.8	22.5	3.3	1.22	0.750	178900.0	5556500.0
68	38.3	33.0	26.5	41.0	7.5	2.23	0.750	168000.0	5547400.0
69	31.2	25.4	21.7	37.7	3.7	1.72	0.750	154000.0	3914000.0
70	36.4	25.3	26.7	35.7	1.4	1.11	0.750	118000.0	2985700.0
71	36.5	29.1	27.9	14.1	1.1	0.56	0.750	127000.0	3691000.0
72	31.2	31.7	21.7	11.5	1.5	0.77	0.750	141000.0	4680600.0
73	41.2	20.5	20.5	14.7	1.3	0.25	0.750	134000.0	4389900.0
74	32.4	30.7	26.4	5.6	4.3	1.0	0.750	188000.0	5776400.0
75	36.8	27.4	31.5	7.2	1.1	0.56	0.750	178000.0	4872900.0
76	38.7	28.0	31.3	8.7	1.4	0.56	0.750	204800.0	5868600.0

1967-1976
MFAM ERROR
RMSE 2.19
4.41

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(h) Badlands aggregation to SRS yields

Y	SPS	ESTY	ERROR	ACREAGE	PRODUCTION
51	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0
54	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0
63	18.8	24.5	-1.7	944810.0	17794046.0
64	25.7	25.5	-1.0	1223350.0	31776192.0
65	15.7	23.7	-1.2	1022250.0	16003530.0
66	31.0	22.7	-0.2	1251550.0	40286464.0
67	31.0	23.4	-2.2	1531100.0	47472504.0
68	23.0	27.4	5.7	1450660.0	49004864.0
69	23.0	23.3	-1.8	1272820.0	32337024.0
70	23.0	25.2	2.5	1145640.0	32182704.0
71	32.0	30.1	-7.0	1180100.0	44979120.0
72	26.0	33.5	2.6	1435200.0	51344384.0
73	20.0	20.2	-0.1	1435100.0	43145646.0
74	27.0	26.2	-1.7	1527100.0	46336245.0
75	22.0	20.2	-1.4	1543000.0	49542042.0
76	21.0	27.3	-2.2	1522700.0	40745300.0
1967-1976					
MEAN			1.05		
SECF			4.50		

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(1) Badlands in CRD WC04 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	FRK	WAC	F	I	N	CROP	ACREAGE	PRODUCTION
SD	WC04	PIF	55	1.1	0.0	0.0	0.15	0.45	0.0	20.5	30.4	33.5	0.1	WW	82700.0	1422440.0
SD	WC04	PIF	56	1.1	0.0	0.0	0.15	0.45	0.0	17.2	25.6	33.5	0.1	WW	65000.0	758500.0
SD	WC04	PIF	57	1.1	0.0	0.0	0.15	0.45	0.0	27.2	33.5	33.5	0.2	WW	79900.0	2172700.0
SD	WC04	PIF	58	1.1	0.0	0.0	0.10	0.40	0.0	16.4	23.5	33.5	0.1	WW	103200.0	3372100.0
SD	WC04	PIF	59	1.1	0.0	0.0	0.15	0.45	0.0	23.5	33.5	33.5	0.1	WW	86400.0	1613000.0
SD	WC04	PIF	60	1.1	0.0	0.0	0.15	0.45	0.0	17.3	27.7	33.5	0.1	WW	125100.0	3155400.0
SD	WC04	PIF	61	1.1	0.0	0.0	0.12	0.44	0.0	26.5	33.5	33.5	0.1	WW	115200.0	1849300.0
SD	WC04	PIF	62	1.1	0.0	0.0	0.05	0.35	0.0	26.7	33.5	33.5	0.2	WW	95000.0	1345500.0
SD	WC04	PIF	63	1.1	0.0	0.0	0.05	0.35	0.0	23.5	33.5	33.5	0.1	WW	111200.0	2554200.0
SD	WC04	PIF	64	1.1	0.0	0.0	0.04	0.34	0.0	31.4	33.5	33.5	0.1	WW	131400.0	3563400.0
SD	WC04	PIF	65	1.1	0.0	0.0	0.10	0.40	0.0	31.0	33.5	33.5	0.1	WW	104600.0	2050300.0
SD	WC04	PIF	66	1.1	0.0	0.0	0.02	0.07	0.0	21.1	33.5	33.5	0.1	WW	122600.0	3307400.0
SD	WC04	PIF	67	1.1	0.0	0.0	0.10	0.40	0.0	33.2	33.5	33.5	0.1	WW	167800.0	6984400.0
SD	WC04	PIF	68	1.1	0.0	0.0	0.02	0.07	0.0	15.9	23.5	33.5	0.1	WW	165000.0	6473900.0
SD	WC04	PIF	69	1.1	0.0	0.0	0.03	0.09	0.0	24.2	33.5	33.5	0.1	WW	150700.0	3971800.0
SD	WC04	PIF	70	1.1	0.0	0.0	0.03	0.09	0.0	25.6	33.5	33.5	0.1	WW	144300.0	4182300.0
SD	WC04	PIF	71	1.1	0.0	0.0	0.01	0.04	0.0	25.9	33.5	33.5	0.2	WW	151800.0	6084700.0
SD	WC04	PIF	72	1.1	0.0	0.0	0.16	0.44	0.0	24.4	33.5	33.5	0.2	WW	188900.0	6968800.0
SD	WC04	PIF	73	1.1	0.0	0.0	0.14	0.40	0.0	25.3	33.5	33.5	0.1	WW	147500.0	3335700.0
SD	WC04	PIF	74	1.1	10.0	0.0	0.20	0.40	0.0	25.3	33.5	33.5	0.1	WW	234000.0	6149500.0
SD	WC04	PIF	75	1.1	0.0	0.0	0.15	0.45	0.0	24.0	33.5	33.5	0.1	WW	232000.0	7772800.0
SD	WC04	PIF	76	1.1	0.0	0.0	0.22	0.78	0.0	17.5	24.4	33.5	0.1	WW	212300.0	3708000.0
SD	SD4C	PIF	99	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

SDWC

YR	WAC	SRS	FSTY	VAR	ERRON	INTER	SLOPF	ACREAGE	PRODUCTION
55	30.4	17.2	0.0	0.0	0.0	0.0	0.0	82700.0	1422440.0
56	25.6	11.7	0.0	0.0	0.0	0.0	0.0	65000.0	758500.0
57	33.1	27.2	0.0	0.0	0.0	0.0	0.0	79900.0	2172700.0
58	34.0	32.7	0.0	0.0	0.0	0.0	0.0	103200.0	3372100.0
59	34.4	18.7	0.0	0.0	0.0	0.0	0.0	86400.0	1613000.0
60	26.4	25.2	0.0	0.0	0.0	0.0	0.0	125100.0	3155400.0
61	27.5	16.1	0.0	0.0	0.0	0.0	0.0	115200.0	1849300.0
62	27.2	14.2	0.0	0.0	0.0	0.0	0.0	95000.0	1345500.0
63	34.1	23.0	22.0	30.16	0.1	-2.73	0.750	111200.0	2554200.0
64	32.4	27.0	22.2	34.75	4.4	-2.36	0.750	131400.0	3563400.0
65	33.2	18.7	23.8	31.90	-5.1	-1.11	0.750	104600.0	2050300.0
66	32.1	27.0	21.5	32.21	-5.1	-2.19	0.750	122600.0	3307400.0
67	41.0	41.6	28.0	42.59	13.6	-2.73	0.750	167800.0	6984400.0
68	30.5	23.2	23.4	39.81	10.8	-1.22	0.750	165000.0	6473900.0
69	31.4	26.4	23.8	64.67	2.5	0.30	0.750	150700.0	3971800.0
70	34.1	29.0	26.8	61.07	2.1	1.23	0.750	144300.0	4182300.0
71	37.3	40.1	30.4	39.86	4.0	2.90	0.750	151800.0	6084700.0
72	40.8	36.9	35.4	56.32	1.5	4.74	0.750	188900.0	6968800.0
73	35.2	33.2	31.6	41.24	2.2	5.22	0.750	147500.0	3335700.0
74	27.9	26.3	35.3	16.36	-5.0	6.52	0.750	234000.0	6149500.0
75	34.0	33.5	31.8	29.64	1.7	6.30	0.750	232000.0	7772800.0
76	24.7	17.5	27.5	42.34	##	5.74	0.750	212300.0	3708000.0

1967-1976
MEAN ERRON 2.47
BASE 7.68

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(j) Badlands in CRD C05 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI A	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
55	55	55	55	55	0.0	0.0	0.15	0.85	0.0	24.3	34.0	33.3	0.18	WW	30877.0	552692.0
56	56	56	56	56	0.0	0.0	0.15	0.85	0.0	12.4	23.1	22.8	0.19	WW	11930.0	76380.0
57	57	57	57	57	0.0	0.0	0.15	0.85	0.0	25.0	24.2	34.3	0.21	WW	28200.0	72600.0
58	58	58	58	58	0.0	0.0	0.18	0.82	0.0	24.3	35.6	35.4	0.19	WW	52500.0	181290.0
59	59	59	59	59	0.0	0.0	0.10	0.90	0.0	15.4	22.0	22.0	0.13	WW	32200.0	34380.0
60	60	60	60	60	0.0	0.0	0.15	0.85	0.0	31.5	34.8	33.3	0.22	WW	107700.0	311090.0
61	61	61	61	61	0.0	0.0	0.15	0.85	0.0	21.6	30.0	31.0	0.18	WW	94400.0	178480.0
62	62	62	62	62	0.0	0.0	0.15	0.85	0.0	25.5	30.0	22.4	0.21	WW	90200.0	95530.0
63	63	63	63	63	0.0	0.0	0.15	0.85	0.0	25.3	32.4	33.3	0.17	WW	96000.0	160970.0
64	64	64	64	64	0.0	0.0	0.06	0.94	0.0	23.6	30.0	32.3	0.20	WW	87900.0	200550.0
65	65	65	65	65	0.0	0.0	0.10	0.90	0.0	20.1	27.0	31.3	0.20	WW	46230.0	78230.0
66	66	66	66	66	0.0	0.0	0.10	0.90	0.0	20.5	26.7	30.0	0.19	WW	56200.0	43279.0
67	67	67	67	67	0.0	0.0	0.22	0.78	0.0	24.4	32.2	31.7	0.20	WW	147200.0	448120.0
68	68	68	68	68	0.0	0.0	0.15	0.85	0.0	26.4	30.2	31.8	0.22	WW	123800.0	242184.0
69	69	69	69	69	0.0	0.0	0.15	0.85	0.0	21.9	30.5	31.5	0.21	WW	120400.0	330324.0
70	70	70	70	70	0.0	0.0	0.06	0.94	0.0	23.1	29.5	29.5	0.20	WW	95200.0	234820.0
71	71	71	71	71	0.0	0.0	0.12	0.88	0.0	25.6	30.0	29.0	0.20	WW	101200.0	343330.0
72	72	72	72	72	0.0	0.0	0.14	0.86	0.0	23.2	32.6	28.7	0.22	WW	133000.0	435420.0
73	73	73	73	73	0.0	0.0	0.14	0.86	0.0	25.1	32.7	33.2	0.19	WW	128800.0	362630.0
74	74	74	74	74	10.0	0.0	0.31	0.69	0.0	27.5	34.0	32.3	0.21	WW	159700.0	365700.0
75	75	75	75	75	0.0	0.0	0.37	0.63	0.0	21.1	25.1	31.3	0.20	WW	99800.0	253710.0
76	76	76	76	76	0.0	0.0	0.47	0.53	0.0	17.5	25.5	30.6	0.18	WW	130200.0	153330.0
500					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0

YR	AC	SPS	FSTY	VAD	ERROR	INTER	SLOPE	ACREAGE	PRDUCTION
55	34.2	17.0	0.0	0.0	0.0	0.0	0.0	30877.0	552692.0
56	22.6	5.4	0.0	0.0	0.0	0.0	0.0	11930.0	76380.0
57	30.7	25.7	0.0	0.0	0.0	0.0	0.0	28200.0	72600.0
58	27.1	25.7	0.0	0.0	0.0	0.0	0.0	52500.0	181290.0
59	25.1	11.0	0.0	0.0	0.0	0.0	0.0	32200.0	34380.0
60	27.6	24.0	0.0	0.0	0.0	0.0	0.0	107700.0	311090.0
61	25.1	11.3	0.0	0.0	0.0	0.0	0.0	94400.0	178480.0
62	31.2	15.3	0.0	0.0	0.0	0.0	0.0	90200.0	95530.0
63	34.0	16.3	21.5	57.80	-4.7	-4.02	0.750	46000.0	160470.0
64	31.5	22.8	10.5	56.46	-3.3	-4.15	0.750	87000.0	200550.0
65	30.0	16.2	10.5	52.38	-3.3	-2.94	0.750	48230.0	78230.0
66	22.0	23.5	17.7	47.86	0.1	-4.36	0.750	54200.0	132700.0
67	35.0	32.7	22.4	30.07	10.3	-4.54	0.750	147200.0	448120.0
68	36.1	34.1	24.0	33.37	10.1	-3.07	0.750	123800.0	242184.0
69	36.4	25.2	24.3	30.41	0.0	-2.27	0.750	120400.0	330324.0
70	35.1	25.1	25.1	30.40	0.0	-1.68	0.750	95200.0	234820.0
71	33.6	33.0	25.2	35.52	0.0	-0.55	0.750	101200.0	343330.0
72	38.7	32.7	30.4	35.17	2.3	1.44	0.750	133000.0	435420.0
73	34.7	31.1	31.1	33.15	0.0	2.01	0.750	128800.0	362630.0
74	30.5	32.4	32.3	30.68	1.1	2.54	0.750	159700.0	365700.0
75	20.5	25.4	22.7	##	1.7	1.39	0.750	99800.0	253710.0
76	25.5	11.3	21.1	65.20	-1.9	1.28	0.750	130200.0	153330.0

1967-1976
MEAN ERROR
1.14
6.51

TABLE 13.- Continued.

(k) Badlands in CRD SW07 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	TKR	WAC C	VAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
SD	SW07		56.	1.05	0.0	0.0	0.15	0.85	0.0	15.5	25.6	30.2	0.18		85000.0	1699300.0
SD	SW07		57.	1.05	0.0	0.0	0.15	0.85	0.0	24.5	32.6	35.8	0.19		94700.0	3211500.0
SD	SW07		58.	1.05	0.0	0.0	0.15	0.85	0.0	25.5	32.8	35.3	0.18		90900.0	3322500.0
SD	SW07		59.	1.05	0.0	0.0	0.10	0.90	0.0	17.4	25.4	25.4	0.17		87500.0	2055700.0
SD	SW07		60.	1.05	0.0	0.0	0.15	0.85	0.0	22.1	32.3	35.4	0.19		90000.0	2809500.0
SD	SW07		61.	1.05	0.0	0.0	0.15	0.85	0.0	18.1	28.2	34.2	0.17		75300.0	1654400.0
SD	SW07		62.	1.05	0.0	0.0	0.12	0.88	0.0	25.4	31.5	34.4	0.18		50600.0	697300.0
SD	SW07		63.	1.05	0.0	0.0	0.05	0.95	0.0	26.0	31.5	35.0	0.18		81200.0	1651000.0
SD	SW07	CHD	64.	1.05	1.0	0.0	0.06	0.94	0.0	24.9	31.1	35.2	0.18	WW	89800.0	2434700.0
SD	SW07	CHD	65.	1.04	2.0	0.0	0.04	0.96	0.0	23.5	29.9	35.0	0.18	WW	87800.0	1445100.0
SD	SW07	CHD	66.	1.04	2.0	0.0	0.10	0.90	0.0	20.0	27.2	35.1	0.17	WW	94700.0	2502800.0
SD	SW07	CHD	67.	1.11	4.0	0.0	0.04	0.96	0.0	32.8	33.5	35.1	0.18	WW	114400.0	4486600.0
SD	SW07	CHD	68.	1.13	4.0	0.0	0.01	0.99	0.0	25.6	33.5	35.1	0.18	WW	104200.0	4059300.0
SD	SW07	CHD	69.	1.15	7.0	0.0	0.05	0.95	0.0	16.0	25.4	35.1	0.17	WW	66200.0	1243300.0
SD	SW07	CHD	70.	1.15	7.0	0.0	0.03	0.97	0.0	22.5	30.3	34.8	0.18	WW	80200.0	2040600.0
SD	SW07	CHD	71.	1.15	7.0	0.0	0.03	0.97	0.0	25.8	30.3	34.3	0.19	WW	79600.0	2856700.0
SD	SW07	CHD	72.	1.17	9.0	0.0	0.04	0.96	0.0	27.8	33.3	34.7	0.18	WW	85800.0	3312600.0
SD	SW07	CHD	73.	1.18	10.0	0.0	0.05	0.95	0.0	20.2	27.9	35.2	0.18	WW	90400.0	2779400.0
SD	SW07	CHD	74.	1.18	10.0	0.0	0.06	0.94	0.0	24.4	30.3	35.2	0.18	WW	95400.0	2754200.0
SD	SW07	CHD	75.	1.18	5.0	0.0	0.11	0.89	0.0	22.4	28.1	35.8	0.18	WW	110000.0	3180000.0
SD	SW07	CHD	76.	1.18	5.0	0.0	0.17	0.83	0.0	17.3	23.4	35.0	0.17	WW	117200.0	3126300.0
SD	SW07	CHD	99.	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0

SOSW

YR	WAC	SPS	FSTY	VAR	ERROR	INTER	SLOPF	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	25.6	23.0	0.0	0.0	0.0	0.0	0.0	85000.0	1699300.0
57	32.6	33.0	0.0	0.0	0.0	0.0	0.0	94700.0	3211500.0
58	33.3	36.6	0.0	0.0	0.0	0.0	0.0	90900.0	3322500.0
59	26.3	23.5	0.0	0.0	0.0	0.0	0.0	87500.0	2055700.0
60	35.5	31.2	0.0	0.0	0.0	0.0	0.0	90000.0	2809500.0
61	28.0	22.0	0.0	0.0	0.0	0.0	0.0	75300.0	1654400.0
62	32.1	13.4	0.0	0.0	0.0	0.0	0.0	50600.0	697300.0
63	32.4	20.4	0.0	0.0	0.0	0.0	0.0	81200.0	1651000.0
64	27.1	25.1	25.1	57.34	1.74	1.74	0.750	89800.0	2434700.0
65	32.3	15.5	25.2	57.34	1.74	1.74	0.750	87800.0	1445100.0
66	31.3	20.5	20.5	58.33	1.74	1.74	0.750	94700.0	2502800.0
67	31.3	20.5	20.5	58.33	1.74	1.74	0.750	114400.0	4486600.0
68	31.7	20.5	20.5	58.33	1.74	1.74	0.750	104200.0	4059300.0
69	31.7	20.5	20.5	58.33	1.74	1.74	0.750	66200.0	1243300.0
70	32.7	25.4	25.4	56.37	1.74	1.74	0.750	80200.0	2040600.0
71	36.8	25.9	25.9	45.31	1.74	1.74	0.750	79600.0	2856700.0
72	40.7	34.5	34.5	45.34	1.74	1.74	0.750	85800.0	3312600.0
73	33.4	30.7	30.7	40.58	1.74	1.74	0.750	90400.0	2779400.0
74	37.5	28.9	28.9	12.10	1.74	1.74	0.750	95400.0	2754200.0
75	33.7	28.9	28.9	16.35	1.74	1.74	0.750	110000.0	3180000.0
76	27.6	26.7	26.7	17.38	1.74	1.74	0.750	117200.0	3126300.0

1467-1476
MEAN ERROR
5.23

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(1) Badlands in CRD SC08 to SRS yields

STATE	CROP	STN	YR	VYA	NI	D	NI	W	CON	FAL	IAK	WAC	C	WAC	F	WAC	I	WAC	N	CROP	ACREAGE	PRODUCTION
SD	SC		56	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.7	0.00	23.1	24.4	0.19	0.19	0.19	0.19	WW	121600.0	1253500.0
SD	SC		57	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.5	0.00	30.3	34.8	0.21	0.21	0.21	0.21	WW	130800.0	3557600.0
SD	SC		58	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.4	0.00	24.5	35.4	0.19	0.19	0.19	0.19	WW	181700.0	6707000.0
SD	SC		59	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	24.7	0.17	0.17	0.17	0.17	WW	162100.0	1787400.0
SD	SC		60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	33.0	0.21	0.21	0.21	0.21	WW	226100.0	6601200.0
SD	SC		61	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	31.7	0.18	0.18	0.18	0.18	WW	202200.0	4112600.0
SD	SC		62	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	30.1	0.20	0.20	0.20	0.20	WW	123900.0	1330900.0
SD	SC		63	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	31.5	0.17	0.17	0.17	0.17	WW	184000.0	3302500.0
SD	SC		64	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	31.3	0.14	0.14	0.14	0.14	WW	204100.0	5387300.0
SD	SC	VAL	65	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	29.6	0.14	0.14	0.14	0.14	WW	156200.0	2858300.0
SD	SC	VAL	66	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	27.7	0.18	0.18	0.18	0.18	WW	205800.0	5930400.0
SD	SC	VAL	67	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	32.3	0.18	0.18	0.18	0.18	WW	223700.0	9172000.0
SD	SC	VAL	68	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	33.7	0.20	0.20	0.20	0.20	WW	223700.0	8450400.0
SD	SC	VAL	69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	33.7	0.18	0.18	0.18	0.18	WW	201300.0	5297300.0
SD	SC	VAL	70	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	29.6	0.18	0.18	0.18	0.18	WW	149000.0	4159100.0
SD	SC	VAL	71	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	29.0	0.20	0.20	0.20	0.20	WW	147500.0	5110200.0
SD	SC	VAL	72	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	32.0	0.20	0.20	0.20	0.20	WW	205500.0	7545500.0
SD	SC	VAL	73	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	31.1	0.18	0.18	0.18	0.18	WW	152900.0	5249700.0
SD	SC	VAL	74	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	34.7	0.20	0.20	0.20	0.20	WW	239000.0	7603100.0
SD	SC	VAL	75	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	32.8	0.18	0.18	0.18	0.18	WW	185000.0	6015400.0
SD	SC	VAL	76	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.5	0.00	24.7	33.1	0.17	0.17	0.17	0.17	WW	253000.0	4170800.0
SD	SC	VAL	69	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

SCSC

YR	WAC	SRS	FSTY	VAP	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	22.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	31.0	27.0	0.0	0.0	0.0	0.0	121600.0	1253500.0	
57	35.0	35.0	0.0	0.0	0.0	0.0	130800.0	3557600.0	
58	24.0	11.0	0.0	0.0	0.0	0.0	181700.0	6707000.0	
59	36.0	20.0	0.0	0.0	0.0	0.0	162100.0	1787400.0	
60	24.0	20.0	0.0	0.0	0.0	0.0	226100.0	6601200.0	
61	24.0	10.0	0.0	0.0	0.0	0.0	202200.0	4112600.0	
62	21.0	17.0	0.0	0.0	0.0	0.0	123900.0	1330900.0	
63	33.0	31.0	0.0	0.0	0.0	0.0	184000.0	3302500.0	
64	33.0	17.0	0.0	0.0	0.0	0.0	156200.0	2858300.0	
65	31.0	22.0	0.0	0.0	0.0	0.0	205800.0	5930400.0	
66	29.0	28.0	0.0	0.0	0.0	0.0	223700.0	9172000.0	
67	35.0	27.0	0.0	0.0	0.0	0.0	223700.0	8450400.0	
68	37.0	33.0	0.0	0.0	0.0	0.0	201300.0	5297300.0	
69	32.0	24.0	0.0	0.0	0.0	0.0	149000.0	4159100.0	
70	35.0	24.0	0.0	0.0	0.0	0.0	147500.0	5110200.0	
71	34.0	28.0	0.0	0.0	0.0	0.0	205500.0	7545500.0	
72	34.0	32.0	0.0	0.0	0.0	0.0	205500.0	7545500.0	
73	37.0	34.0	0.0	0.0	0.0	0.0	152900.0	5249700.0	
74	41.0	31.0	0.0	0.0	0.0	0.0	239000.0	7603100.0	
75	31.0	32.0	0.0	0.0	0.0	0.0	185000.0	6015400.0	
76	25.0	10.0	0.0	0.0	0.0	0.0	253000.0	4170800.0	

1967-1976
MEAN ERROR
RMSEF 2.25
5.00

TABLE 13.— Continued.

(m) Badlands in CRD NWT to SRS yields

STATE	CRD	SURF	YR	VYA	NI D	NI W	COB	FAL	TRK	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
NF	NW	1	55	1.03	0.0	0.0	0.0	1.00	0.0	17.6	23.7	33.5	0.18	WW	752070.0	20502256.0
NF	NW	2	56	1.04	0.0	0.0	0.0	1.00	0.0	17.8	24.0	33.5	0.17	WW	859530.0	21205456.0
NF	NW	3	57	1.04	0.0	0.0	0.0	1.00	0.0	27.4	31.5	33.5	0.17	WW	817480.0	23418144.0
NF	NW	4	58	1.04	0.0	0.0	0.0	1.00	0.0	22.6	30.5	33.5	0.17	WW	863100.0	27107312.0
NF	NW	5	59	1.04	0.0	0.0	0.0	1.00	0.0	14.6	21.0	33.5	0.17	WW	723720.0	18453456.0
NF	NW	6	60	1.04	0.0	0.0	0.0	1.00	0.0	24.3	22.9	33.5	0.17	WW	716950.0	22457456.0
NF	NW	7	61	1.03	0.0	0.0	0.0	1.00	0.0	19.8	22.0	33.5	0.17	WW	746640.0	18769088.0
NF	NW	8	62	1.03	0.0	0.0	0.0	1.00	0.0	24.7	22.0	33.5	0.17	WW	746640.0	18769088.0
NF	NW	9	63	1.03	0.0	0.0	0.0	1.00	0.0	14.3	22.0	33.5	0.17	WW	609370.0	11350880.0
NF	NW	10	64	1.06	0.0	0.0	0.0	1.00	0.0	23.3	24.9	33.5	0.17	WW	737610.0	13630200.0
NF	NW	11	65	1.09	0.0	0.0	0.0	1.00	0.0	20.1	25.5	33.5	0.17	WW	709650.0	17385296.0
NF	NW	12	66	1.03	0.0	0.0	0.0	1.00	0.0	20.1	25.5	33.5	0.17	WW	620420.0	8866530.0
NF	NW	13	67	1.03	0.0	0.0	0.0	1.00	0.0	20.1	25.5	33.5	0.17	WW	782350.0	26917968.0
NF	NW	14	68	1.13	0.0	0.0	0.0	1.00	0.0	24.8	25.5	33.5	0.17	WW	2202450.0	22024512.0
NF	NW	15	69	1.13	0.0	0.0	0.0	1.00	0.0	24.8	25.5	33.5	0.17	WW	863460.0	25782368.0
NF	NW	16	70	1.13	0.0	0.0	0.0	1.00	0.0	22.5	25.5	33.5	0.17	WW	734220.0	18791728.0
NF	NW	17	71	1.14	0.0	0.0	0.0	1.00	0.0	20.1	25.5	33.5	0.17	WW	596950.0	25412512.0
NF	NW	18	72	1.15	0.0	0.0	0.0	1.00	0.0	20.1	25.5	33.5	0.17	WW	700000.0	27344224.0
NF	NW	19	73	1.19	0.0	0.0	0.0	1.00	0.0	14.4	20.4	33.5	0.17	WW	822000.0	20653296.0
NF	NW	20	74	1.20	0.0	0.0	0.0	1.00	0.0	21.6	20.4	33.5	0.17	WW	875500.0	25160608.0
NF	NW	21	75	1.14	0.0	0.0	0.0	1.00	0.0	14.7	26.5	33.5	0.17	WW	894000.0	25172496.0
NF	NW	22	76	1.20	0.0	0.0	0.0	1.00	0.0	17.1	22.2	33.5	0.17	WW	917000.0	30077696.0
FL	NE	1	94	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	910000.0	28210400.0

NEW

YR	WAC	SRS	ESTY	VAH	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	24.4	27.3	0.0	0.0	0.0	0.0	0.0	752070.0	20502256.0
56	25.2	24.7	0.0	0.0	0.0	0.0	0.0	859530.0	21205456.0
57	31.7	31.4	0.0	0.0	0.0	0.0	0.0	817480.0	23418144.0
58	31.8	31.5	0.0	0.0	0.0	0.0	0.0	863100.0	27107312.0
59	22.1	23.3	0.0	0.0	0.0	0.0	0.0	723720.0	18453456.0
60	27.1	25.1	0.0	0.0	0.0	0.0	0.0	716950.0	22457456.0
61	27.1	25.1	0.0	0.0	0.0	0.0	0.0	746640.0	18769088.0
62	30.4	25.5	0.0	0.0	0.0	0.0	0.0	609370.0	11350880.0
63	25.1	25.1	21.90	21.90	-5.6	0.750	0.750	737610.0	13630200.0
64	30.2	24.5	25.17	25.17	-2.4	0.750	0.750	709650.0	17385296.0
65	27.1	24.1	25.59	25.59	-4.8	0.750	0.750	620420.0	8866530.0
66	24.4	34.4	23.7	32.15	10.7	2.42	0.750	742350.0	26917968.0
67	26.3	25.2	25.2	25.2	1.4	3.10	0.750	841240.0	22024512.0
68	34.2	24.2	27.5	58.97	2.3	1.83	0.750	263060.0	25782368.0
69	24.5	23.8	23.8	42.71	1.8	1.45	0.750	734220.0	18791728.0
70	33.9	25.1	25.1	45.15	10.4	1.25	0.750	606440.0	25412512.0
71	36.9	39.1	39.1	70.15	2.3	3.22	0.750	700000.0	27344224.0
72	34.4	33.6	33.6	77.60	2.5	4.80	0.750	822000.0	20653296.0
73	31.9	36.7	20.4	63.63	-10.7	5.48	0.750	875500.0	25160608.0
74	27.1	28.0	34.2	32.45	-1.5	5.24	0.750	894000.0	25172496.0
75	34.0	32.8	30.7	26.03	2.1	5.22	0.750	917000.0	30077696.0
76	30.0	31.0	29.8	24.58	2.2	6.27	0.750	910000.0	28210400.0

1967-1976
MEAN ERROR 1.81
RMSE 5.12

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.- Continued.

(o) Nebraska in CRD C5 to SRS yields

STATF	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	TRK	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
NE	0000	55	1.03	0.00	0.00	0.00	0.30	0.70	0.00	23.3	33.0	31.6	0.18	WW	190690.0	3546480.0
NE	0000	56	1.03	0.00	0.00	0.00	0.30	0.70	0.00	17.2	26.0	20.2	0.17	WW	190070.0	2920780.0
NE	0000	57	1.04	0.00	0.00	0.00	0.30	0.70	0.00	27.9	30.4	33.1	0.18	WW	141160.0	3540390.0
NE	0000	58	1.04	0.00	0.00	0.00	0.30	0.70	0.00	30.9	36.1	35.0	0.18	WW	226360.0	7725770.0
NE	0000	59	1.04	0.00	0.00	0.00	0.30	0.70	0.00	23.2	27.4	30.1	0.18	WW	185090.0	3788690.0
NE	0000	60	1.04	0.00	0.00	0.00	0.30	0.70	0.00	32.3	37.5	34.2	0.18	WW	210780.0	6532120.0
NE	0000	61	1.03	0.00	0.00	0.00	0.30	0.70	0.00	30.6	35.9	34.8	0.18	WW	204170.0	4071710.0
NE	0000	62	1.04	0.00	0.00	0.00	0.31	0.68	0.01	24.4	31.4	32.6	0.18	WW	149260.0	1690490.0
NE	0000	63	1.05	0.00	0.00	0.00	0.27	0.73	0.00	26.1	33.3	34.2	0.17	WW	158440.0	3077720.0
NE	0000	64	1.07	0.00	0.00	0.00	0.24	0.75	0.01	23.2	31.2	31.7	0.18	WW	166750.0	3710800.0
NE	0000	65	1.09	0.00	0.00	0.00	0.26	0.73	0.01	23.0	31.2	31.1	0.18	WW	129100.0	2508030.0
NE	0000	66	1.10	0.00	0.00	0.00	0.26	0.73	0.01	23.0	31.2	31.1	0.18	WW	132250.0	5133540.0
NE	0000	67	1.13	0.00	0.00	0.00	0.23	0.76	0.01	21.2	27.6	27.8	0.17	WW	165590.0	4310400.0
NE	0000	68	1.14	0.00	0.00	0.00	0.24	0.75	0.01	24.3	33.3	34.2	0.18	WW	133110.0	3513520.0
NE	0000	69	1.14	0.00	0.00	0.00	0.24	0.75	0.01	24.3	33.3	34.2	0.18	WW	126190.0	3078210.0
NE	0000	70	1.14	0.00	0.00	0.00	0.24	0.75	0.01	24.3	33.3	34.2	0.18	WW	113940.0	4263330.0
NE	0000	71	1.16	0.00	0.00	0.00	0.25	0.75	0.01	20.6	27.2	27.3	0.18	WW	99000.0	3955010.0
NE	0000	72	1.16	0.00	0.00	0.00	0.31	0.67	0.02	21.5	31.0	30.5	0.19	WW	86000.0	2815490.0
NE	0000	73	1.15	0.00	0.00	0.00	0.18	0.80	0.02	31.7	33.6	33.8	0.16	WW	44750.0	3626360.0
NE	0000	74	1.19	0.00	0.00	0.00	0.41	0.57	0.02	32.1	35.8	35.5	0.18	WW	11500.0	4331550.0
NE	0000	75	1.20	0.00	0.00	0.00	0.41	0.57	0.02	24.1	29.6	30.0	0.17	WW	115000.0	3553500.0
NE	0000	76	1.20	0.00	0.00	0.00	0.42	0.57	0.02	21.0	26.6	26.6	0.16	WW	100000.0	3360000.0
NFC	0.75	94	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

MFC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	31.6	15.6	0.00	0.00	0.00	0.00	0.00	190690.0	3546480.0
56	27.4	15.4	0.00	0.00	0.00	0.00	0.00	190070.0	2920780.0
57	35.0	25.1	0.00	0.00	0.00	0.00	0.00	141160.0	3540390.0
58	37.5	34.1	0.00	0.00	0.00	0.00	0.00	226360.0	7725770.0
59	27.2	20.5	0.00	0.00	0.00	0.00	0.00	185090.0	3788690.0
60	37.4	32.4	0.00	0.00	0.00	0.00	0.00	210780.0	6532120.0
61	31.5	16.6	0.00	0.00	0.00	0.00	0.00	204170.0	4071710.0
62	31.2	11.3	0.00	0.00	0.00	0.00	0.00	149260.0	1690490.0
63	33.5	14.4	23.6	47.25	-14.0	-1.59	0.750	158440.0	3077720.0
64	33.3	7.2	23.4	47.10	-14.0	-1.56	0.750	166750.0	3710800.0
65	37.0	14.4	23.4	46.90	-14.0	-1.50	0.750	129100.0	2508030.0
66	37.0	34.8	23.2	54.60	-13.0	-1.56	0.750	132250.0	5133540.0
67	30.1	26.0	21.5	54.00	-15.0	-1.65	0.750	165590.0	4310400.0
68	30.7	20.4	27.3	83.57	-9.0	-1.63	0.750	133110.0	3513520.0
69	39.3	37.4	24.1	73.07	-9.0	-1.37	0.750	126190.0	3078210.0
70	44.0	30.1	34.1	82.88	-9.0	-1.12	0.750	99000.0	3955010.0
71	40.2	32.4	32.6	41.75	-10.0	-1.72	0.750	86000.0	2815490.0
72	47.8	38.3	33.4	56.11	-10.0	-1.32	0.750	94750.0	3526360.0
73	46.2	30.1	33.8	56.11	-11.0	-1.77	0.750	115000.0	4331550.0
74	47.2	30.0	32.1	26.10	-11.0	-1.70	0.750	115000.0	3553500.0
75	36.0	33.6	30.0	13.53	-2.7	-3.71	0.750	100000.0	3360000.0

1967-1976
MEAN ERROR 2.44
RMSE 4.27

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(p) Nebraska in CRD EC6 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	ERR	WAC C	AC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
AL	U	U	5	1	0	0	0	0	0	27.2	35.6	31.3	0.18	WW	502110.0	12494420.0
AR	U	U	5	1	0	0	0	0	0	20.1	20.7	0.17	WW	522550.0	9297840.0	
CA	U	U	5	1	0	0	0	0	0	21.7	21.5	0.18	WW	393490.0	11231440.0	
CO	U	U	5	1	0	0	0	0	0	33.3	37.7	0.18	WW	537380.0	19891568.0	
CT	U	U	5	1	0	0	0	0	0	26.1	30.1	0.18	WW	487270.0	9758570.0	
DC	U	U	5	1	0	0	0	0	0	25.5	24.8	0.19	WW	144320.0	14432950.0	
DE	U	U	5	1	0	0	0	0	0	32.3	35.5	0.18	WW	524200.0	14525190.0	
FL	U	U	5	1	0	0	0	0	0	27.2	32.0	0.18	WW	477280.0	9607610.0	
GA	U	U	5	1	0	0	0	0	0	29.7	32.0	0.17	WW	480350.0	12239030.0	
IA	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
IL	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	374010.0	7880540.0	
IN	U	U	5	1	0	0	0	0	0	32.3	35.5	0.18	WW	491320.0	14525190.0	
KS	U	U	5	1	0	0	0	0	0	22.9	24.5	0.17	WW	480350.0	12239030.0	
LA	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
MA	U	U	5	1	0	0	0	0	0	32.3	35.5	0.18	WW	491320.0	14525190.0	
MD	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
ME	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
MI	U	U	5	1	0	0	0	0	0	32.3	35.5	0.18	WW	491320.0	14525190.0	
MN	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
MO	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
MS	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
MT	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
ND	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
OH	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
OK	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
OR	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
PA	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
RI	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
SC	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
SD	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
TN	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
TX	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
VA	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
VT	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
WA	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
WI	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	
WV	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	480350.0	12239030.0	
WY	U	U	5	1	0	0	0	0	0	22.9	24.5	0.18	WW	476300.0	12220790.0	

1967-1976
MEAN FRIE
1.32
3.83

TABLE 13.— Continued.

(q) Nebraska in CRD SW07 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	JK	VAC C	VAC F	VAC I	VAC N	CROP	ACREAGE	PRODUCTION
NE	S	H	55.	1.03	0.0	0.0	0.01	0.99	0.0	15.5	25.1	33.4	0.18	WW	628250.0	16475990.0
NE	S	H	56.	1.03	0.0	0.0	0.01	0.99	0.0	11.0	17.7	29.1	0.17	WW	640480.0	11701660.0
NE	S	H	57.	1.04	0.0	0.0	0.01	0.99	0.0	26.4	29.7	34.6	0.17	WW	612830.0	15659410.0
NE	S	H	58.	1.04	0.0	0.0	0.01	0.99	0.0	24.4	21.2	34.6	0.17	WW	690250.0	21652320.0
NE	S	H	59.	1.04	0.0	0.0	0.01	0.99	0.0	15.8	22.1	31.0	0.17	WW	605290.0	14234030.0
NE	S	H	60.	1.03	0.0	0.0	0.01	0.99	0.0	22.5	29.8	32.3	0.17	WW	560400.0	17657712.0
NE	S	H	61.	1.03	0.0	0.0	0.01	0.99	0.0	24.4	32.0	34.7	0.17	WW	611940.0	13856930.0
NE	S	H	62.	1.04	0.0	0.0	0.01	0.99	0.0	22.5	27.7	32.9	0.18	WW	522370.0	11311050.0
NE	S	H	63.	1.06	0.0	0.0	0.01	0.99	0.0	17.4	24.5	28.9	0.17	WW	567260.0	11855670.0
NE	S	H	64.	1.07	0.0	0.0	0.01	0.99	0.0	25.5	31.0	34.2	0.17	WW	564800.0	12184250.0
NE	S	H	65.	1.08	0.0	0.0	0.03	0.97	0.0	20.8	29.0	34.2	0.17	WW	623590.0	14277760.0
NE	S	H	66.	1.09	2.4	0.0	0.02	0.94	0.0	24.8	31.3	34.2	0.17	WW	622990.0	14277760.0
NE	S	H	67.	1.10	4.4	0.0	0.05	0.95	0.0	26.5	31.0	34.5	0.17	WW	706110.0	14717040.0
NE	S	H	68.	1.11	5.5	0.0	0.03	0.95	0.0	22.9	29.0	34.0	0.17	WW	678130.0	18010544.0
NE	S	H	69.	1.10	7.7	0.0	0.03	0.97	0.0	18.9	29.0	33.7	0.17	WW	620350.0	14425564.0
NE	S	H	70.	1.10	9.9	0.0	0.03	0.97	0.0	18.1	28.4	34.4	0.17	WW	537370.0	14047760.0
NE	S	H	71.	1.10	11.1	0.0	0.02	0.98	0.0	25.4	31.2	34.7	0.17	WW	580000.0	23842768.0
NE	S	H	72.	1.11	13.3	0.0	0.03	0.97	0.0	25.2	31.2	33.3	0.17	WW	630000.0	24172576.0
NE	S	H	73.	1.11	14.4	0.0	0.03	0.97	0.0	24.1	31.4	34.3	0.17	WW	681600.0	2359360.0
NE	S	H	74.	1.14	15.5	5.0	0.06	0.93	0.01	24.1	31.2	35.4	0.18	WW	693000.0	2790660.0
NE	S	H	75.	1.15	16.6	6.0	0.05	0.93	0.02	21.3	27.8	34.0	0.17	WW	681000.0	14311696.0
NE	S	H	76.	1.15	16.6	6.0	0.05	0.93	0.02	17.1	23.9	34.6	0.17	WW	675000.0	14844992.0
NE	S	H	90.	1.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

NFSW

YD	WAC	SPS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	25.2	26.2	0.0	0.0	0.0	0.0	0.0	628250.0	16475990.0
56	18.2	18.5	0.0	0.0	0.0	0.0	0.0	640480.0	11701660.0
57	30.5	25.5	0.0	0.0	0.0	0.0	0.0	612830.0	15659410.0
58	32.4	31.4	0.0	0.0	0.0	0.0	0.0	690250.0	21652320.0
59	22.4	23.5	0.0	0.0	0.0	0.0	0.0	605290.0	14234030.0
60	30.6	31.5	0.0	0.0	0.0	0.0	0.0	560400.0	17657712.0
61	32.6	22.5	0.0	0.0	0.0	0.0	0.0	611940.0	13856930.0
62	22.6	21.7	0.0	0.0	0.0	0.0	0.0	522370.0	11311050.0
63	26.0	23.7	2.3	16.50	-2.2	4.25	0.750	567260.0	11855670.0
64	33.1	21.5	22.4	18.27	-6.8	3.56	0.750	564800.0	12184250.0
65	31.3	26.0	26.0	26.72	-3.1	2.57	0.750	623590.0	14277760.0
66	33.3	27.2	27.2	25.74	7.2	2.20	0.750	622990.0	14277760.0
67	32.4	26.4	26.4	35.25	-0.7	2.50	0.750	706110.0	14717040.0
68	32.8	26.5	26.5	26.54	-0.1	1.43	0.750	678130.0	18010544.0
69	32.9	31.3	25.8	17.65	5.5	1.10	0.750	620350.0	14425564.0
70	32.5	31.0	26.5	16.47	10.4	2.14	0.750	537370.0	14047760.0
71	35.2	41.1	34.0	44.91	10.2	3.75	0.750	580000.0	23842768.0
72	35.9	34.4	33.0	41.97	5.4	5.31	0.750	630000.0	24172576.0
73	37.3	34.5	35.0	50.14	-0.5	7.05	0.750	681600.0	2359360.0
74	34.3	32.4	33.1	38.07	-3.2	7.95	0.750	693000.0	2790660.0
75	35.0	35.7	33.5	25.46	2.2	7.27	0.750	681000.0	24311696.0
76	30.9	29.4	31.4	31.21	-2.0	8.22	0.750	675000.0	14844992.0

1967-1975
MEAN ERROR
RMSF 2.65
5.45

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(r) Nebraska in CRD SCOB to SRS yields

STATE	CRD	STN	YR	VYA	NT	D	NI	W	CON	FAL	IMK	WAC	C	AC	F	WAC	J	WAC	N	CROP	ACREAGE	PRODUCTION
NE	SCOR	CON	55.	1.03	0.	0.	0.	0.	0.25	0.75	0.0	22.5	33.7	34.0	0.18	WW	412580.0	8857940.0				
NE	SCOR	CON	55.	1.03	0.	0.	0.	0.	0.25	0.75	0.0	16.2	24.6	30.8	0.17	WW	436850.0	8164130.0				
NE	SCOR	CON	57.	1.04	0.	0.	0.	0.	0.25	0.75	0.0	24.2	31.3	33.1	0.17	WW	387910.0	10384140.0				
NE	SCOR	CON	58.	1.04	0.	0.	0.	0.	0.25	0.75	0.0	32.0	36.0	35.4	0.17	WW	445570.0	15206200.0				
NE	SCOR	CON	59.	1.04	0.	0.	0.	0.	0.25	0.75	0.0	26.6	30.4	31.8	0.18	WW	422020.0	8725250.0				
NE	SCOR	CON	60.	1.04	0.	0.	0.	0.	0.25	0.75	0.0	33.4	37.5	34.0	0.17	WW	429630.0	11961050.0				
NE	SCOR	CON	61.	1.03	3.	0.	0.	0.	0.25	0.75	0.0	32.1	35.1	34.5	0.17	WW	442010.0	10282450.0				
NE	SCOR	CON	62.	1.04	5.	0.	0.	0.	0.25	0.75	0.0	26.2	31.8	32.3	0.17	WW	387930.0	6224980.0				
NE	SCOR	CON	63.	1.05	5.	0.	30.	0.	0.18	0.77	0.01	24.5	33.8	33.7	0.17	WW	390170.0	7929740.0				
NE	SCOR	CON	64.	1.08	8.	0.	30.	0.	0.17	0.82	0.01	24.3	30.8	30.8	0.17	WW	392740.0	9224690.0				
NE	SCOR	CON	65.	1.10	12.	0.	35.	0.	0.15	0.84	0.01	23.2	31.1	32.2	0.18	WW	406520.0	8605640.0				
NE	SCOR	CON	66.	1.13	12.	0.	35.	0.	0.14	0.86	0.01	28.7	32.1	34.0	0.17	WW	388260.0	12937440.0				
NE	SCOR	CON	67.	1.15	14.	0.	0.	0.	0.20	0.79	0.0	21.5	26.3	27.8	0.17	WW	456060.0	11767300.0				
NE	SCOR	CON	68.	1.15	15.	0.	0.	0.	0.23	0.77	0.0	28.4	33.3	34.2	0.17	WW	412310.0	13118390.0				
NE	SCOR	CON	69.	1.15	17.	0.	0.	0.	0.17	0.83	0.0	30.2	35.2	33.3	0.18	WW	378700.0	12937440.0				
NE	SCOR	CON	70.	1.15	16.	0.	0.	0.	0.12	0.87	0.0	25.4	33.2	24.0	0.17	WW	351250.0	14442290.0				
NE	SCOR	CON	71.	1.17	16.	0.	0.	0.	0.13	0.88	0.0	32.2	36.5	34.5	0.17	WW	305000.0	113502130.0				
NE	SCOR	CON	72.	1.16	23.	0.	0.	0.	0.14	0.86	0.0	27.7	32.4	32.0	0.18	WW	294000.0	11130140.0				
NE	SCOR	CON	73.	1.18	25.	0.	0.	0.	0.11	0.89	0.0	33.5	37.7	35.3	0.17	WW	321600.0	13351100.0				
NE	SCOR	CON	74.	1.18	27.	0.	50.	0.	0.35	0.64	0.01	33.2	37.5	35.8	0.17	WW	357000.0	8471100.0				
NE	SCOR	CON	75.	1.19	27.	0.	50.	0.	0.39	0.59	0.02	25.5	31.2	32.4	0.17	WW	317000.0	8471100.0				
NE	SCOR	CON	76.	0.75	26.	0.	50.	0.	0.44	0.54	0.02	24.2	30.3	33.6	0.17	WW	330000.0	10989000.0				
NE	SCOR	CON	76.	0.75	0.	0.	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NE SC

YR	AC	SRS	FSTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	31.2	21.5	0.0	0.0	0.0	0.0	0.0	412580.0	8857940.0
55	23.2	18.7	0.0	0.0	0.0	0.0	0.0	436850.0	8164130.0
57	31.7	26.8	0.0	0.0	0.0	0.0	0.0	387910.0	10384140.0
58	35.4	34.1	0.0	0.0	0.0	0.0	0.0	445570.0	15206200.0
59	30.5	28.7	0.0	0.0	0.0	0.0	0.0	422020.0	8725250.0
60	37.6	27.8	0.0	0.0	0.0	0.0	0.0	429630.0	11961050.0
61	36.7	23.3	0.0	0.0	0.0	0.0	0.0	442010.0	10282450.0
62	32.0	15.0	0.0	0.0	0.0	0.0	0.0	387930.0	6224980.0
63	34.5	20.0	25.0	26.75	-14.7	-0.81	0.750	390170.0	7929740.0
64	33.7	23.5	24.1	27.38	-10.5	-1.20	0.750	392740.0	9224690.0
65	34.9	21.2	24.5	27.33	-13.5	-1.52	0.750	406520.0	8605640.0
66	31.5	33.4	25.3	31.73	7.5	-2.58	0.750	388260.0	12937440.0
67	31.5	25.8	24.8	24.22	5.0	-1.86	0.750	456060.0	11767300.0
68	40.1	31.8	27.7	32.21	4.0	-2.31	0.750	412310.0	13118390.0
69	43.0	34.2	30.3	44.31	3.0	-2.01	0.750	378700.0	12937440.0
70	41.1	41.1	29.0	28.07	11.0	-1.24	0.750	351250.0	14442290.0
71	46.3	44.3	35.8	35.01	5.5	-1.04	0.750	305000.0	13502130.0
72	41.6	37.4	34.1	33.22	3.0	2.93	0.750	294000.0	11130140.0
73	40.0	42.4	40.7	45.37	3.0	3.98	0.750	321600.0	13351100.0
74	47.7	37.4	41.1	14.10	-3.7	5.33	0.750	357000.0	13351100.0
75	40.0	28.3	34.0	15.41	-1.0	4.44	0.750	317000.0	8471100.0
76	38.3	33.3	33.2	27.50	0.1	4.48	0.750	330000.0	10989000.0

1967-1976
MEAN ERROR 2.82
S.E. 5.81

TABLE 13.— Continued.

(s) Nebraska in CRD SE09 to SRS yields

STATE	CPD	STN	YD	VYA	NI D	NI W	CON	FAL	IPR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
NE	00	04A	55	1.03	4.0	0.0	0.0	0.0	0.0	27.4	34.3	30.4	0.18	WW	593390.0	15304130.0
NE	09	04A	56	1.03	6.0	0.0	0.0	0.0	0.0	27.0	34.3	29.9	0.17	WW	616270.0	10619960.0
NE	09	04A	57	1.04	8.0	0.0	0.0	0.0	0.0	33.6	33.6	31.1	0.17	WW	521560.0	13167590.0
NE	09	04A	58	1.04	9.0	0.0	0.0	0.0	0.0	37.2	32.2	32.8	0.17	WW	611740.0	19498976.0
NE	09	04A	59	1.04	9.0	0.0	0.0	0.0	0.0	37.2	32.2	32.8	0.17	WW	623430.0	12232200.0
NE	09	04A	60	1.04	11.0	0.0	0.0	0.0	0.0	34.2	33.3	32.2	0.17	WW	535710.0	10530270.0
NE	09	04A	61	1.04	13.0	0.0	0.0	0.0	0.0	33.3	33.3	32.2	0.17	WW	622370.0	16135310.0
NE	09	04A	62	1.03	15.0	0.0	0.0	0.0	0.0	37.0	31.6	32.1	0.18	WW	567470.0	13016270.0
NE	09	04A	63	1.06	18.0	0.0	0.0	0.0	0.0	31.8	36.1	33.3	0.17	WW	576010.0	13999170.0
NE	09	04A	64	1.08	20.0	0.0	0.0	0.0	0.0	23.7	28.7	27.7	0.17	WW	601130.0	18314088.0
NE	04	04A	65	1.10	44.0	4.5	0.0	0.0	0.0	27.5	31.4	28.9	0.18	WW	543730.0	11897240.0
NE	04	04A	66	1.12	45.0	5.0	0.0	0.0	0.0	32.0	25.3	24.4	0.17	WW	542460.0	17495904.0
NE	04	04A	67	1.14	24.0	0.0	0.0	0.0	0.0	32.0	35.0	32.5	0.17	WW	638130.0	16443350.0
NE	04	04A	68	1.14	27.0	0.0	0.0	0.0	0.0	33.4	37.0	33.7	0.17	WW	594950.0	22599712.0
NE	04	04A	69	1.14	27.0	0.0	0.0	0.0	0.0	33.4	37.0	33.7	0.17	WW	528310.0	18212460.0
NE	04	04A	70	1.16	31.0	0.0	0.0	0.0	0.0	24.4	31.1	24.7	0.17	WW	471570.0	19231120.0
NE	04	04A	71	1.16	33.0	0.0	0.0	0.0	0.0	35.3	32.9	33.5	0.18	WW	428000.0	15203220.0
NE	04	04A	72	1.16	35.0	0.0	0.0	0.0	0.0	32.9	32.9	32.1	0.18	WW	404000.0	15203220.0
NE	04	04A	73	1.16	36.0	0.0	0.0	0.0	0.0	34.0	32.0	32.0	0.18	WW	431150.0	16785040.0
NE	04	04A	74	1.18	32.0	5.0	0.0	0.0	0.0	35.5	32.8	34.0	0.18	WW	458000.0	17860800.0
NE	04	04A	75	1.18	32.0	6.0	0.0	0.0	0.0	28.0	33.2	32.6	0.18	WW	584000.0	16293600.0
NE	04	04A	76	1.18	33.0	6.0	0.0	0.0	0.0	27.0	31.9	32.2	0.17	WW	596000.0	21754000.0
NE	04	04A	98	1.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

NESE

YD	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	31.1	25.2	0.0	0.0	0.0	0.0	0.0	593390.0	15304130.0
56	33.9	17.2	0.0	0.0	0.0	0.0	0.0	616270.0	10619960.0
57	33.4	25.2	0.0	0.0	0.0	0.0	0.0	521560.0	13167590.0
58	37.1	31.6	0.0	0.0	0.0	0.0	0.0	611740.0	19498976.0
59	33.4	19.5	0.0	0.0	0.0	0.0	0.0	623430.0	12232200.0
60	32.3	19.7	0.0	0.0	0.0	0.0	0.0	535710.0	10530270.0
61	37.4	25.9	0.0	0.0	0.0	0.0	0.0	622370.0	16135310.0
62	37.4	22.0	0.0	0.0	0.0	0.0	0.0	567470.0	13016270.0
63	37.6	24.3	27.0	24.53	-2.7	-1.43	0.750	576010.0	13999170.0
64	37.9	30.5	20.8	19.51	-9.7	-2.34	0.750	601130.0	18314088.0
65	35.5	21.9	26.8	33.00	-4.1	-1.34	0.750	543730.0	11897240.0
66	42.2	32.3	29.5	61.00	-2.7	-2.05	0.750	542460.0	17495904.0
67	31.1	25.0	22.8	35.24	4.9	1.47	0.750	638130.0	16443350.0
68	45.1	33.3	32.3	52.58	3.6	-1.49	0.750	594950.0	22599712.0
69	47.2	34.5	35.0	35.38	-1.6	-0.17	0.750	528310.0	18212460.0
70	40.3	34.8	33.0	21.56	1.8	0.33	0.750	471570.0	19231120.0
71	50.1	44.9	40.1	44.00	1.1	0.53	0.750	428000.0	15203220.0
72	44.4	37.5	36.2	28.97	1.4	0.55	0.750	404000.0	15203220.0
73	49.7	32.9	30.0	38.19	-1.1	0.67	0.750	431150.0	16785040.0
74	50.0	36.6	41.5	15.50	-1.1	0.67	0.750	484000.0	17860800.0
75	42.9	27.0	35.3	16.11	-1.4	0.19	0.750	584000.0	16293600.0
76	30.0	36.5	32.3	33.55	4.0	0.37	0.750	596000.0	21754000.0

1967-1976
MEAN ERROR
BY ST

1.53
5.12

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(t) Colorado aggregation to SRS yields

YR	SRS	FSTY	ERROR	ACHF AGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0
63	12.5	14.7	-2.1	1562000.0	1054442.0
64	15.1	17.3	-2.1	1647000.0	2422702.4
65	14.4	21.2	-6.7	1113000.0	1601730.0
66	17.8	21.2	-3.5	2241000.0	3078588.0
67	18.0	24.0	-5.9	1670000.0	3164512.4
68	19.0	14.5	1.4	1733000.0	3441057.6
69	21.2	20.1	1.2	1423000.0	3264522.0
70	24.7	15.3	10.4	1475000.0	5662242.0
71	22.4	21.5	0.9	1907500.0	5362642.8
72	24.1	21.4	2.7	2020000.0	4614022.0
73	24.6	21.3	3.3	2260000.0	5625304.0
74	25.2	25.4	-0.2	2612000.0	5452122.0
75	22.5	21.3	1.2	2020000.0	4721002.0
76	21.7	22.4	-0.7	1432000.0	4320004.0
	1467-1975				
	MEAN	24.00	1.56		
	STDE		4.50		

TABLE 13.— Continued.

(u) Colorado in CRD NE2 to SRS yields

STATE	CRD	STN	YP	VYA	NI D	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
CO	NE	AKR	55.	1.00	0.0	40.	0.0	0.95	0.05	16.5	20.7	34.4	0.18	WW	474931.0	8833717.0
CO	NE	AKR	56.	1.00	0.0	40.	0.0	0.97	0.03	17.1	23.1	34.2	0.17	WW	474931.0	6791513.0
CO	NE	AKR	57.	1.00	0.0	40.	0.0	0.96	0.04	25.0	29.3	35.5	0.16	WW	455950.0	11738970.0
CO	NE	AKR	58.	1.00	0.0	40.	0.0	0.97	0.03	23.2	30.7	35.5	0.17	WW	476433.0	13721280.0
CO	NE	AKR	59.	1.00	0.0	40.	0.0	0.95	0.05	17.7	23.1	33.8	0.17	WW	492400.0	11952200.0
CO	NE	AKR	60.	1.00	0.0	40.	0.0	0.95	0.05	22.4	28.3	36.1	0.17	WW	466900.0	12948250.0
CO	NE	AKR	61.	1.00	0.0	40.	0.0	0.95	0.05	19.6	24.4	35.7	0.17	WW	470000.0	11476000.0
CO	NE	AKR	62.	1.00	0.0	42.	0.0	0.95	0.05	21.5	26.5	36.7	0.17	WW	384000.0	8871000.0
CO	NE	AKR	63.	1.03	0.0	42.	0.0	0.96	0.04	12.4	18.0	34.9	0.17	WW	415000.0	6150000.0
CO	NE	AKR	64.	1.03	0.0	44.	0.0	0.94	0.06	16.7	20.7	35.5	0.17	WW	441000.0	7328000.0
CO	NE	AKR	65.	1.05	0.0	46.	0.0	0.94	0.06	20.1	23.7	35.4	0.17	WW	320000.0	5240000.0
CO	NE	AKR	66.	1.06	0.0	48.	0.0	0.98	0.02	19.2	24.6	36.0	0.17	WW	490000.0	10052000.0
CO	NE	AKR	67.	1.07	0.0	50.	0.0	0.95	0.05	26.0	30.0	35.1	0.17	WW	455000.0	9537000.0
CO	NE	AKR	68.	1.07	0.0	52.	0.0	0.97	0.03	18.9	24.4	35.1	0.17	WW	460000.0	10775000.0
CO	NE	AKR	69.	1.08	0.0	54.	0.0	0.97	0.03	20.4	25.3	35.4	0.17	WW	423000.0	10487000.0
CO	NE	AKR	70.	1.08	0.0	56.	0.0	0.97	0.03	19.3	24.7	35.6	0.17	WW	380000.0	12714500.0
CO	NE	AKR	71.	1.10	0.0	58.	0.0	0.97	0.03	22.6	27.2	35.7	0.17	WW	415500.0	13907500.0
CO	NE	AKR	72.	1.11	0.0	60.	0.0	0.98	0.02	21.0	26.6	36.2	0.17	WW	446000.0	13600000.0
CO	NE	AKR	73.	1.16	0.0	60.	0.0	0.97	0.03	23.3	27.5	36.9	0.17	WW	473000.0	12438000.0
CO	NE	AKR	74.	1.18	0.0	60.	0.0	0.98	0.02	20.7	29.9	36.3	0.17	WW	510000.0	13469000.0
CO	NE	AKR	75.	1.18	0.0	60.	0.0	0.99	0.01	18.4	25.0	36.0	0.17	WW	474000.0	12910000.0
CO	NE	AKR	76.	1.18	0.0	60.	0.0	0.97	0.03	16.0	21.8	36.5	0.17	WW	460000.0	10879000.0
CO	CONF		99.	0.75	0.0	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

CONF

YR	WAC	SPS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	22.2	18.5	0.0	0.0	0.0	0.0	0.0	474931.0	8833717.0
56	24.1	14.3	0.0	0.0	0.0	0.0	0.0	474931.0	6791513.0
57	30.4	25.7	0.0	0.0	0.0	0.0	0.0	455950.0	11738970.0
58	31.7	28.8	0.0	0.0	0.0	0.0	0.0	476433.0	13721280.0
59	24.5	27.3	0.0	0.0	0.0	0.0	0.0	492400.0	11952200.0
60	24.5	27.7	0.0	0.0	0.0	0.0	0.0	466900.0	12948250.0
61	25.5	24.4	0.0	0.0	0.0	0.0	0.0	470000.0	11476000.0
62	22.1	23.1	0.0	0.0	0.0	0.0	0.0	384000.0	8871000.0
63	16.5	14.8	17.7	20.0	1.0	3.0	0.750	415000.0	6150000.0
64	22.7	16.6	19.0	14.0	1.0	2.0	0.750	441000.0	7328000.0
65	25.0	15.4	22.0	7.2	1.0	3.0	0.750	320000.0	5240000.0
66	26.0	20.4	22.4	13.4	1.0	2.5	0.750	490000.0	10052000.0
67	22.8	21.0	22.6	11.5	1.0	1.5	0.750	455000.0	9537000.0
68	26.7	23.4	22.0	13.0	1.0	1.0	0.750	460000.0	10775000.0
69	27.9	24.1	21.5	10.8	1.0	0.4	0.750	423000.0	10487000.0
70	27.5	33.5	22.0	8.0	1.0	0.3	0.750	380000.0	12714500.0
71	30.0	33.5	22.0	34.2	1.0	1.7	0.750	415500.0	13907500.0
72	30.0	30.5	22.5	46.5	1.0	3.0	0.750	446000.0	13600000.0
73	33.1	26.3	22.0	57.5	1.0	4.0	0.750	473000.0	12438000.0
74	35.7	26.4	31.4	64.1	1.0	4.6	0.750	510000.0	13469000.0
75	29.8	27.2	27.8	37.3	1.0	4.5	0.750	474000.0	12910000.0
76	26.6	23.5	25.6	29.0	1.0	5.6	0.750	460000.0	10879000.0

1967-1976
MEAN ERROR
5.90

1.77
5.90

TABLE 13.- Continued.

(v) Colorado in CRD EC6 to SRS yields

STATE	CRD	STN	YR	VYA	NI O	NI W	CON	FAL	IRR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
CO	DFN	55	1	0.02	0.0	44	0.00	0.99	0.01	14.5	18.8	32.5	0.18	WW	1226034.0	14467205.0
CO	DFN	56	1	0.02	0.0	45	0.00	0.99	0.01	11.5	17.9	32.1	0.17	WW	1226034.0	10543895.0
CO	DFN	57	1	0.02	0.0	46	0.00	0.99	0.01	24.7	28.0	34.5	0.16	WW	804160.0	19769744.0
CO	DFN	58	1	0.02	0.0	47	0.00	1.00	0.00	21.2	28.4	34.0	0.17	WW	1445193.0	38297616.0
CO	DFN	59	1	0.02	0.0	48	0.00	1.00	0.00	14.4	14.5	32.5	0.17	WW	1428750.0	30776720.0
CO	DFN	60	1	0.02	0.0	49	0.00	1.00	0.00	20.5	25.6	34.6	0.17	WW	1426830.0	40726016.0
CO	DFN	61	1	0.02	0.0	50	0.00	1.00	0.00	17.5	22.6	34.4	0.17	WW	1480000.0	35218000.0
CO	DFN	62	1	0.03	0.0	51	0.00	0.99	0.01	17.5	21.6	34.9	0.17	WW	1094000.0	20145248.0
CO	DFN	63	1	0.03	0.0	52	0.00	0.99	0.01	8.8	13.6	33.6	0.17	WW	992000.0	11637500.0
CO	DFN	64	1	0.03	0.0	53	0.00	0.98	0.02	12.1	16.6	33.1	0.17	WW	1046000.0	15285000.0
CO	DFN	65	1	0.04	0.0	54	0.00	0.98	0.02	16.7	20.0	34.0	0.17	WW	736000.0	9563500.0
CO	DFN	66	1	0.05	0.0	55	0.00	0.99	0.01	18.2	23.7	35.0	0.17	WW	1425000.0	24604992.0
CO	DFN	67	1	0.06	0.0	56	0.00	0.99	0.01	22.0	25.9	34.3	0.17	WW	1114000.0	20300192.0
CO	DFN	68	1	0.08	0.0	57	0.00	0.99	0.01	13.2	19.6	33.7	0.17	WW	1108000.0	21214592.0
CO	DFN	69	1	0.09	0.0	58	0.00	0.98	0.02	18.9	23.6	33.9	0.17	WW	1184000.0	23701488.0
CO	DFN	70	1	0.09	0.0	59	0.00	0.99	0.01	15.3	21.1	34.0	0.17	WW	1250000.0	36116992.0
CO	DFN	71	1	0.10	0.0	60	0.00	0.98	0.02	19.7	24.8	34.8	0.17	WW	1250000.0	34622000.0
CO	DFN	72	1	0.11	0.0	61	0.00	0.93	0.02	16.3	20.8	33.9	0.17	WW	1348000.0	31678000.0
CO	DFN	73	1	0.14	0.0	62	0.00	0.94	0.02	23.3	26.9	36.1	0.17	WW	1469000.0	35764992.0
CO	DFN	74	1	0.13	0.0	63	0.00	0.93	0.02	18.0	26.7	34.7	0.17	WW	1620000.0	43734992.0
CO	DFN	75	1	0.13	0.0	64	0.00	0.93	0.02	15.2	20.0	34.2	0.17	WW	1365000.0	30400992.0
CO	DFN	76	1	0.13	0.0	65	0.00	0.97	0.03	14.1	19.0	35.5	0.17	WW	1242000.0	26544000.0
CO	DFN	99	0	0.75	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

COFC

YR	WAC	SRS	FSTY	VAR	ERR	INTER	SLOPF	ACREAGE	PRODUCTION
55	19.4	11.8	0.0	0.0	0.0	0.0	0.0	1226034.0	14467205.0
56	18.5	8.5	0.0	0.0	0.0	0.0	0.0	1226034.0	10543895.0
57	28.7	24.6	0.0	0.0	0.0	0.0	0.0	804160.0	19769744.0
58	29.0	26.5	0.0	0.0	0.0	0.0	0.0	1445193.0	38297616.0
59	19.9	21.5	0.0	0.0	0.0	0.0	0.0	1428750.0	30776720.0
60	22.1	23.8	0.0	0.0	0.0	0.0	0.0	1426830.0	40726016.0
61	22.5	18.4	0.0	0.0	0.0	0.0	0.0	1480000.0	35218000.0
62	22.5	11.7	12.7	47.07	-1.0	2.43	0.750	992000.0	11637500.0
63	14.3	14.6	16.5	26.12	-2.0	3.40	0.750	1046000.0	15285000.0
64	21.5	13.0	20.4	10.15	-7.4	4.23	0.750	736000.0	9563500.0
65	25.1	17.3	22.3	18.62	-5.0	3.45	0.750	1425000.0	24604992.0
66	22.9	19.2	24.3	32.87	-6.1	2.66	0.750	1114000.0	20300192.0
67	21.4	19.1	17.5	22.91	1.7	1.40	0.750	1108000.0	21214592.0
68	20.9	20.0	20.1	14.62	-0.1	0.67	0.750	1184000.0	23701488.0
69	23.2	24.9	17.5	22.53	11.5	-0.07	0.750	1250000.0	36116992.0
70	27.1	27.7	21.5	30.27	6.3	1.16	0.750	1250000.0	34622000.0
71	23.5	23.5	10.7	31.45	3.8	1.97	0.750	1348000.0	31678000.0
72	31.1	24.3	25.8	63.56	-1.5	2.52	0.750	1469000.0	35764992.0
73	26.4	27.0	25.8	35.48	1.2	3.04	0.750	1620000.0	43734992.0
74	23.0	22.3	21.1	27.54	1.1	3.77	0.750	1365000.0	30400992.0
75	23.2	21.4	22.3	15.54	-1.0	4.81	0.750	1242000.0	26544000.0

1967-1976
MEAN ERROR
RMSF 1.70
4.82

TABLE 13.- Continued.

(w) Colorado in CRD SE9 to SRS yield

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRK	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
00	00	LAJ	55	11	0.00	44	0.00	0.06	0.04	15.6	16.7	35.3	0.17	WW	299987.0	2999867.0
00	00	LAJ	55	11	0.00	45	0.00	0.09	0.10	11.5	14.9	34.0	0.17	WW	299987.0	2759877.0
00	00	LAJ	57	11	0.00	46	0.00	0.82	0.12	22.7	25.8	35.5	0.17	WW	80060.0	1313500.0
00	00	LAJ	57	11	0.00	47	0.00	0.05	0.04	20.8	25.3	34.1	0.16	WW	407110.0	8345755.0
00	00	LAJ	57	11	0.00	48	0.00	0.93	0.07	16.0	20.5	34.8	0.17	WW	412790.0	9074720.0
00	00	LAJ	50	11	0.00	40	0.00	0.43	0.07	17.0	21.2	34.8	0.17	WW	433540.0	10225590.0
00	00	LAJ	51	11	0.00	50	0.00	0.41	0.04	16.5	20.1	35.3	0.17	WW	375000.0	7329000.0
00	00	LAJ	62	11	0.00	51	0.00	0.89	0.11	11.0	17.3	35.5	0.17	WW	320000.0	5074000.0
00	00	LAJ	53	11	0.00	52	0.00	0.75	0.24	5.5	7.5	35.6	0.17	WW	155000.0	1757000.0
00	00	LAJ	54	11	0.00	53	0.00	0.72	0.25	5.4	7.4	33.7	0.17	WW	160000.0	2315000.0
00	00	LAJ	65	11	0.00	54	0.00	0.55	0.12	10.3	12.0	35.5	0.17	WW	57000.0	1213800.0
00	00	LAJ	57	11	0.00	55	0.00	0.75	0.22	11.5	17.5	34.5	0.17	WW	326000.0	5128900.0
00	00	LAJ	68	11	0.00	57	0.00	0.75	0.37	13.4	17.5	34.5	0.17	WW	110000.0	1808000.0
00	00	LAJ	68	11	0.00	57	0.00	0.75	0.22	11.5	17.5	34.5	0.17	WW	165000.0	2491000.0
00	00	LAJ	70	11	0.00	59	0.00	0.35	0.15	14.2	17.6	35.5	0.17	WW	216000.0	4506800.0
00	00	LAJ	70	11	0.00	60	0.00	0.84	0.16	15.7	14.6	34.7	0.17	WW	345000.0	7797000.0
00	00	LAJ	71	11	0.00	60	0.00	0.92	0.08	13.9	19.5	34.8	0.17	WW	332000.0	8050000.0
00	00	LAJ	72	11	0.00	60	0.00	0.88	0.12	10.5	13.2	34.9	0.17	WW	245000.0	3863000.0
00	00	LAJ	72	11	0.00	60	0.00	0.91	0.04	22.7	15.9	34.6	0.17	WW	348000.0	8047000.0
00	00	LAJ	74	11	0.00	60	0.00	0.28	0.12	10.4	15.9	34.3	0.17	WW	365000.0	7388000.0
00	00	LAJ	75	11	0.00	60	0.00	0.84	0.10	10.1	13.4	35.5	0.17	WW	260000.0	3990000.0
00	00	LAJ	76	11	0.00	60	0.00	0.27	0.13	10.7	14.6	35.0	0.17	WW	290000.0	5787000.0
00	00	LAJ	76	11	0.00	60	0.00	0.9	0.9	0.0	0.0	0.0	0.0	WW	0.0	0.0

COSE

YR	ESTY	VAR	FPROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	0.00	0.00	0.00	0.00	0.00	299987.0	2999867.0
57	0.00	0.00	0.00	0.00	0.00	299987.0	2759877.0
57	0.00	0.00	0.00	0.00	0.00	80060.0	1313500.0
57	0.00	0.00	0.00	0.00	0.00	407110.0	8345755.0
50	0.00	0.00	0.00	0.00	0.00	412790.0	9074720.0
51	0.00	0.00	0.00	0.00	0.00	433540.0	10225590.0
62	0.00	0.00	0.00	0.00	0.00	375000.0	7329000.0
53	0.00	0.00	0.00	0.00	0.00	320000.0	5074000.0
54	0.00	0.00	0.00	0.00	0.00	155000.0	1757000.0
55	0.00	0.00	0.00	0.00	0.00	160000.0	2315000.0
57	0.00	0.00	0.00	0.00	0.00	57000.0	1213800.0
57	0.00	0.00	0.00	0.00	0.00	326000.0	5128900.0
68	0.00	0.00	0.00	0.00	0.00	110000.0	1808000.0
68	0.00	0.00	0.00	0.00	0.00	165000.0	2491000.0
70	0.00	0.00	0.00	0.00	0.00	216000.0	4506800.0
70	0.00	0.00	0.00	0.00	0.00	345000.0	7797000.0
71	0.00	0.00	0.00	0.00	0.00	332000.0	8050000.0
72	0.00	0.00	0.00	0.00	0.00	245000.0	3863000.0
72	0.00	0.00	0.00	0.00	0.00	348000.0	8047000.0
74	0.00	0.00	0.00	0.00	0.00	365000.0	7388000.0
75	0.00	0.00	0.00	0.00	0.00	260000.0	3990000.0
76	0.00	0.00	0.00	0.00	0.00	290000.0	5787000.0

1967-1476
MFAI FPROR 0.20
235F 3.47

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(x) Kansas aggregation to SRS yields

YR	SRS	FSTY	FUPOR	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0
63	21.5	22.5	-1.0	4627000.0	15547545.0
64	22.5	23.5	-1.0	4576000.0	21525345.0
65	24.0	21.7	2.3	10151000.0	24362355.0
66	19.5	25.2	-5.7	10250000.0	20005335.0
67	20.0	23.5	-3.5	11081000.0	22161345.0
68	25.0	25.5	-0.5	9751000.0	25352545.0
69	31.0	29.1	1.9	9552000.0	30541255.0
70	33.0	27.3	5.7	6061000.0	26301250.0
71	34.4	27.2	7.2	6035000.0	31214475.0
72	33.5	31.7	1.8	7400000.0	31490071.0
73	37.0	34.1	2.9	10400000.0	28474074.0
74	37.0	33.7	3.3	11501500.0	31401050.0
75	25.0	31.7	-6.7	12100000.0	35100071.0
76	20.0	31.5	-11.5	11300000.0	33001050.0
1947-1976					
MEAN		27.0	1.04		
		27.0	1.52		

TABLE 13.— Continued.

(y) Kansas in CRD NW1 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	TRK	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
KKS	NW	HL C	55.	0.99	0.0	0.0	0.0	0.0	0.0	16.3	24.8	33.7	0.17	WW	934000.0	18376992.0
KKS	NW	HL C	56.	0.99	0.0	0.0	0.0	0.0	0.0	18.2	14.2	30.1	0.17	WW	816000.0	8326000.0
KKS	NW	HL C	57.	0.99	0.0	0.0	0.0	0.0	0.0	26.5	29.0	34.8	0.15	WW	609000.0	14123000.0
KKS	NW	HL C	57.	1.01	0.0	0.0	0.0	0.0	0.0	24.5	30.0	34.7	0.15	WW	1167000.0	35732000.0
KKS	NW	HL C	57.	1.03	0.0	0.0	0.0	0.0	0.0	27.2	23.4	32.3	0.17	WW	1034000.0	222646992.0
KKS	NW	HL C	58.	1.03	0.0	4.0	0.0	0.0	0.0	27.1	31.4	34.2	0.15	WW	1017000.0	39242000.0
KKS	NW	HL C	58.	1.05	0.0	0.0	0.0	0.0	0.0	27.7	31.7	34.3	0.17	WW	940000.0	21646992.0
KKS	NW	HL C	62.	1.04	0.0	4.2	0.0	0.0	0.0	22.7	26.5	32.0	0.17	WW	921000.0	242544992.0
KKS	NW	HL C	63.	1.04	0.0	4.2	0.0	0.0	0.0	21.5	26.9	32.5	0.17	WW	908000.0	19152000.0
KKS	NW	HL C	64.	1.05	0.0	4.4	0.0	0.0	0.0	20.9	26.4	32.3	0.17	WW	926000.0	18584000.0
KKS	NW	HL C	65.	1.06	0.0	4.4	0.0	0.0	0.0	16.5	24.0	34.4	0.17	WW	1057000.0	18626992.0
KKS	NW	HL C	66.	1.07	0.0	4.4	0.0	0.0	0.0	24.7	29.0	34.4	0.17	WW	1068000.0	24676000.0
KKS	NW	HL C	67.	1.09	0.0	5.5	0.0	0.0	0.0	22.1	29.0	33.0	0.17	WW	1252000.0	28774000.0
KKS	NW	HL C	68.	1.11	0.0	5.2	0.0	0.0	0.0	19.5	25.0	33.9	0.17	WW	947000.0	19436000.0
KKS	NW	HL C	70.	1.12	1.0	5.4	0.0	0.0	0.0	24.1	30.0	34.0	0.17	WW	1065000.0	30980000.0
KKS	NW	HL C	71.	1.14	1.0	5.5	0.0	0.0	0.0	22.8	28.0	34.0	0.17	WW	449000.0	32022992.0
KKS	NW	HL C	71.	1.15	1.0	5.5	0.0	0.0	0.0	22.9	28.0	35.5	0.17	WW	1012000.0	36574000.0
KKS	NW	HL C	72.	1.15	1.0	5.5	0.0	0.0	0.0	23.1	28.0	33.0	0.17	WW	1047000.0	34196492.0
KKS	NW	HL C	73.	1.16	1.0	5.0	0.0	0.0	0.0	24.1	31.7	35.7	0.15	WW	1174000.0	45754000.0
KKS	NW	HL C	74.	1.17	1.0	5.0	0.0	0.0	0.0	23.5	33.7	35.3	0.17	WW	1217100.0	39559792.0
KKS	NW	HL C	75.	1.16	1.0	5.0	0.0	0.0	0.0	22.7	26.0	33.0	0.17	WW	1161000.0	37504292.0
KKS	NW	HL C	75.	1.16	1.0	5.0	0.0	0.0	0.0	20.1	26.9	34.8	0.17	WW	1133000.0	34112096.0
KKS	NW	HL C	99.	0.75	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

KNNW

YR	WAC	SRS	FSTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	23.2	19.7	0.0	0.0	0.0	0.0	0.0	934000.0	18376992.0
56	13.2	10.2	0.0	0.0	0.0	0.0	0.0	816000.0	8326000.0
57	20.2	23.0	0.0	0.0	0.0	0.0	0.0	609000.0	14123000.0
58	20.7	30.6	0.0	0.0	0.0	0.0	0.0	1167000.0	35732000.0
59	23.9	21.9	0.0	0.0	0.0	0.0	0.0	1034000.0	222646992.0
60	31.0	24.6	0.0	0.0	0.0	0.0	0.0	1017000.0	39242000.0
61	32.7	23.1	0.0	0.0	0.0	0.0	0.0	940000.0	21646992.0
62	27.3	26.3	0.0	0.0	0.0	0.0	0.0	921000.0	242544992.0
63	27.7	21.1	0.0	31.54	-1.1	4.4	0.750	908000.0	19152000.0
64	27.4	20.1	0.0	33.34	-1.4	4.4	0.750	926000.0	18584000.0
65	25.2	17.6	0.0	42.21	-1.5	4.0	0.750	1057000.0	18626992.0
66	31.7	27.5	0.0	44.79	-1.4	4.4	0.750	1068000.0	24676000.0
67	22.1	23.0	0.0	42.06	-1.3	2.5	0.750	1252000.0	28774000.0
68	30.1	20.9	0.0	37.38	-1.3	1.9	0.750	947000.0	19436000.0
69	25.5	24.1	0.0	11.94	-2.5	6.4	0.750	1065000.0	30980000.0
70	36.1	33.7	0.0	11.07	-5.1	0.5	0.750	449000.0	32022992.0
71	30.6	36.2	0.0	15.04	-5.0	0.6	0.750	1012000.0	36574000.0
72	35.3	32.7	0.0	14.46	-4.4	1.1	0.750	1047000.0	34196492.0
73	41.7	34.0	0.0	24.05	-5.5	2.2	0.750	1174000.0	45754000.0
74	43.0	32.7	0.0	25.70	-2.4	3.3	0.750	1217100.0	39559792.0
75	36.4	32.3	0.0	15.67	-1.1	3.5	0.750	1161000.0	37504292.0
76	34.8	33.6	0.0	12.14	-3.3	4.2	0.750	1133000.0	34112096.0

1967-1976
MEAN ERROR 1.98
BIAS 4.16

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(z) Kansas in CRD NC2 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	FR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
XX	CC	CC	55	11	00	00	00	00	00	23.6	24.2	31.3	0.17	WW	1099000.0	15703000.0
XX	CC	CC	56	11	00	00	00	00	00	18.1	26.3	31.7	0.17	WW	1204000.0	15662000.0
XX	CC	CC	57	11	00	00	00	00	00	30.4	33.3	33.0	0.15	WW	731000.0	11660000.0
XX	CC	CC	58	11	00	00	00	00	00	33.7	36.9	34.9	0.16	WW	1190000.0	34006992.0
XX	CC	CC	59	11	00	00	00	00	00	30.7	33.7	33.3	0.17	WW	1229000.0	25352000.0
XX	CC	CC	60	11	00	00	00	00	00	33.4	35.8	32.8	0.16	WW	1203000.0	27860000.0
XX	CC	CC	61	11	00	00	00	00	00	33.7	35.5	34.0	0.16	WW	1236000.0	30772992.0
XX	CC	CC	62	11	00	00	00	00	00	24.0	32.5	34.2	0.17	WW	1085000.0	25154992.0
XX	CC	CC	63	11	00	00	00	00	00	30.5	33.8	34.2	0.17	WW	1228000.0	29744992.0
XX	CC	CC	64	11	00	00	00	00	00	25.6	33.5	34.1	0.17	WW	1192000.0	30642000.0
XX	CC	CC	65	11	00	00	00	00	00	25.9	30.0	31.7	0.17	WW	1243000.0	28074992.0
XX	CC	CC	66	11	00	00	00	00	00	27.9	30.0	34.2	0.17	WW	1213000.0	25466000.0
XX	CC	CC	67	11	00	00	00	00	00	22.0	27.5	27.3	0.17	WW	1415000.0	24756000.0
XX	CC	CC	68	11	00	00	00	00	00	32.2	35.7	34.2	0.17	WW	1323000.0	30412992.0
XX	CC	CC	69	11	00	00	00	00	00	27.7	32.2	33.3	0.17	WW	1175000.0	30443792.0
XX	CC	CC	70	11	00	00	00	00	00	33.5	35.8	33.2	0.17	WW	1042000.0	36344992.0
XX	CC	CC	71	11	00	00	00	00	00	31.6	34.2	33.3	0.17	WW	1131000.0	48984992.0
XX	CC	CC	72	11	00	00	00	00	00	35.5	34.5	35.3	0.16	WW	1228000.0	32643792.0
XX	CC	CC	73	11	00	00	00	00	00	27.7	32.2	33.0	0.17	WW	1427000.0	42725392.0
XX	CC	CC	74	11	00	00	00	00	00	33.4	33.4	35.3	0.17	WW	1390000.0	51766000.0
XX	CC	CC	75	11	00	00	00	00	00	27.7	27.1	23.3	0.17	WW	0.0	0.0
XX	CC	CC	76	11	00	00	00	00	00	0.0	0.0	0.0	0.0	WW	0.0	0.0

KNNC

YR	ACREAGE	PRODUCTION
55	1099000.0	15703000.0
56	1204000.0	15662000.0
57	731000.0	11660000.0
58	1190000.0	34006992.0
59	1229000.0	25352000.0
60	1203000.0	27860000.0
61	1236000.0	30772992.0
62	1085000.0	25154992.0
63	1228000.0	29744992.0
64	1213000.0	25466000.0
65	1415000.0	24756000.0
66	1323000.0	30412992.0
67	1175000.0	30443792.0
68	1042000.0	36344992.0
69	1131000.0	48984992.0
70	1228000.0	32643792.0
71	1390000.0	51766000.0
72	0.0	0.0
73	0.0	0.0
74	0.0	0.0
75	0.0	0.0
76	0.0	0.0

1967-1976
 MF AN ERROR
 1.98
 4.46

TABLE 13.— Continued.

(aa) Kansas in CRD NE3 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	WPK	VAC C	VAC F	VAC I	VAC N	CROP	ACREAGE	PRODUCTION
USA	NE	100	55	1	10	0	1	0	0	27	28	27	0	WW	344500	11309800
USA	NE	100	56	1	12	0	1	0	0	27	28	27	0	WW	356700	9079300
USA	NE	100	57	1	14	0	1	0	0	31	34	34	0	WW	326000	9472000
USA	NE	100	58	1	15	0	1	0	0	34	37	37	0	WW	343000	11068000
USA	NE	100	59	1	16	0	1	0	0	32	35	35	0	WW	363000	9016000
USA	NE	100	60	1	16	0	1	0	0	34	37	37	0	WW	286000	5730000
USA	NE	100	61	1	21	0	1	0	0	34	37	37	0	WW	349000	10085000
USA	NE	100	62	1	23	0	1	0	0	37	40	40	0	WW	300000	7824000
USA	NE	100	63	1	25	0	1	0	0	33	36	36	0	WW	324000	9871000
USA	NE	100	64	1	27	0	1	0	0	35	38	38	0	WW	350000	10141000
USA	NE	100	65	1	27	0	1	0	0	37	40	40	0	WW	230000	5758000
USA	NE	100	66	1	30	0	1	0	0	35	38	38	0	WW	295000	8436000
USA	NE	100	67	1	32	0	1	0	0	37	40	40	0	WW	374000	10115000
USA	NE	100	68	1	34	0	1	0	0	35	38	38	0	WW	326000	12605000
USA	NE	100	69	1	35	0	1	0	0	37	40	40	0	WW	253000	8149000
USA	NE	100	70	1	37	0	1	0	0	37	40	40	0	WW	235000	7753000
USA	NE	100	71	1	39	0	1	0	0	34	37	37	0	WW	205000	6256000
USA	NE	100	72	1	41	0	1	0	0	31	34	34	0	WW	216000	6247000
USA	NE	100	73	1	43	0	1	0	0	35	38	38	0	WW	295000	8333000
USA	NE	100	74	1	45	0	1	0	0	34	37	37	0	WW	241000	6066400
USA	NE	100	75	1	45	0	1	0	0	30	33	33	0	WW	302600	12325100
USA	NE	100	76	1	45	0	1	0	0	30	33	33	0	WW	415000	12959800
USA	NE	100	99	0	0	0	0	0	0	0	0	0	0	WW	0	0

KNNF

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	WPK	VAC C	VAC F	VAC I	VAC N	CROP	ACREAGE	PRODUCTION
USA	NE	100	55	1	10	0	1	0	0	27	28	27	0	WW	344500	11309800
USA	NE	100	56	1	12	0	1	0	0	27	28	27	0	WW	356700	9079300
USA	NE	100	57	1	14	0	1	0	0	31	34	34	0	WW	326000	9472000
USA	NE	100	58	1	15	0	1	0	0	34	37	37	0	WW	343000	11068000
USA	NE	100	59	1	16	0	1	0	0	32	35	35	0	WW	363000	9016000
USA	NE	100	60	1	16	0	1	0	0	34	37	37	0	WW	286000	5730000
USA	NE	100	61	1	21	0	1	0	0	34	37	37	0	WW	349000	10085000
USA	NE	100	62	1	23	0	1	0	0	37	40	40	0	WW	300000	7824000
USA	NE	100	63	1	25	0	1	0	0	33	36	36	0	WW	324000	9871000
USA	NE	100	64	1	27	0	1	0	0	35	38	38	0	WW	350000	10141000
USA	NE	100	65	1	27	0	1	0	0	37	40	40	0	WW	230000	5758000
USA	NE	100	66	1	30	0	1	0	0	35	38	38	0	WW	295000	8436000
USA	NE	100	67	1	32	0	1	0	0	37	40	40	0	WW	374000	10115000
USA	NE	100	68	1	34	0	1	0	0	35	38	38	0	WW	326000	12605000
USA	NE	100	69	1	35	0	1	0	0	37	40	40	0	WW	253000	8149000
USA	NE	100	70	1	37	0	1	0	0	37	40	40	0	WW	235000	7753000
USA	NE	100	71	1	39	0	1	0	0	34	37	37	0	WW	205000	6256000
USA	NE	100	72	1	41	0	1	0	0	31	34	34	0	WW	216000	6247000
USA	NE	100	73	1	43	0	1	0	0	35	38	38	0	WW	295000	8333000
USA	NE	100	74	1	45	0	1	0	0	34	37	37	0	WW	241000	6066400
USA	NE	100	75	1	45	0	1	0	0	30	33	33	0	WW	302600	12325100
USA	NE	100	76	1	45	0	1	0	0	30	33	33	0	WW	415000	12959800

1967-1976
MEAN ERROR
-0.44
4.84

ORIGINAL PAGE IS
OF POOR QUALITY

ORIGINAL PAGE IS
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ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.— Continued.

(bb) Kansas in CRD WC4 to SRS yields

STAFF	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	TRK	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
44	4	HL	55	0	0	0	0.30	0.79	0.0	14.3	22.0	33.0	0.17	WW	898000.0	13106000.0
44	4	HL	55	0	0	4	0.26	0.74	0.0	14.3	22.0	33.0	0.17	WW	703000.0	8127000.0
44	4	HL	55	0	0	4	0.25	0.75	0.0	25.0	20.4	34.8	0.16	WW	108000.0	1496000.0
44	4	HL	55	0	0	4	0.15	0.85	0.0	24.4	25.3	33.3	0.17	WW	1134000.0	32236000.0
44	4	HL	55	0	0	4	0.16	0.84	0.0	10.4	25.5	34.6	0.16	WW	1057000.0	23690992.0
44	4	HL	55	0	0	4	0.17	0.83	0.0	26.5	31.5	34.5	0.17	WW	1129000.0	41494000.0
44	4	HL	55	0	0	4	0.12	0.88	0.0	24.1	30.9	34.5	0.17	WW	1037000.0	24274992.0
44	4	HL	55	0	0	4	0.11	0.89	0.0	20.5	24.7	33.7	0.17	WW	951000.0	25946000.0
44	4	HL	55	0	0	4	0.12	0.88	0.0	16.7	22.8	33.3	0.17	WW	784000.0	12822000.0
44	4	HL	55	0	0	4	0.10	0.90	0.0	13.4	20.9	31.4	0.17	WW	839000.0	14590000.0
44	4	HL	55	0	0	4	0.11	0.89	0.0	14.0	19.2	33.4	0.17	WW	1093000.0	20550000.0
44	4	HL	55	0	0	4	0.12	0.88	0.0	21.3	25.4	34.4	0.17	WW	1093000.0	13805000.0
44	4	HL	55	0	0	4	0.12	0.88	0.0	17.5	25.9	34.7	0.17	WW	1107000.0	22546992.0
44	4	HL	55	0	0	4	0.10	0.90	0.0	12.0	23.4	34.4	0.17	WW	504000.0	7885000.0
44	4	HL	55	0	0	4	0.10	0.90	0.0	23.7	25.5	35.2	0.17	WW	1102000.0	33428992.0
44	4	HL	55	0	0	4	0.07	0.93	0.0	22.4	26.6	35.5	0.17	WW	1042000.0	37326000.0
44	4	HL	55	0	0	4	0.05	0.95	0.0	22.4	26.6	35.5	0.17	WW	1042000.0	37326000.0
44	4	HL	55	0	0	4	0.03	0.97	0.0	22.2	26.4	35.5	0.17	WW	1042000.0	37326000.0
44	4	HL	55	0	0	4	0.03	0.97	0.0	20.0	22.0	30.0	0.15	WW	1278000.0	44194992.0
44	4	HL	55	0	0	4	0.05	0.95	0.0	25.0	31.0	34.4	0.17	WW	1305400.0	41511888.0
44	4	HL	55	0	0	4	0.03	0.97	0.0	28.7	28.7	34.4	0.17	WW	1284000.0	38722288.0
44	4	HL	55	0	0	4	0.03	0.97	0.0	14.9	25.1	35.0	0.17	WW	1181000.0	35050192.0
44	4	HL	55	0	0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

KNWC

YR	AC	SKS	FSTY	VAR	ERROR	INTER	SLOPE	ACRFAE	PRODUCTION
55	24.5	14.7	0.0	0.0	0.0	0.0	0.0	204000.0	13106000.0
56	14.6	10.2	0.0	0.0	0.0	0.0	0.0	703000.0	8127000.0
57	20.0	13.9	0.0	0.0	0.0	0.0	0.0	108000.0	1496000.0
58	20.0	21.4	0.0	0.0	0.0	0.0	0.0	1134000.0	32236000.0
59	25.3	21.4	0.0	0.0	0.0	0.0	0.0	1057000.0	23690992.0
60	31.7	23.4	0.0	0.0	0.0	0.0	0.0	1129000.0	41494000.0
61	21.7	23.4	0.0	0.0	0.0	0.0	0.0	1037000.0	24274992.0
62	21.7	27.3	0.0	0.0	0.0	0.0	0.0	951000.0	25946000.0
63	24.0	16.3	2	5	1	0.750	0.750	784000.0	12822000.0
64	22.2	16.4	10	5	2	0.34	0.750	839000.0	14590000.0
65	21.0	14.9	15	3	7	0.44	0.750	1093000.0	20550000.0
66	22.1	12.7	22	3	5	0.85	0.750	1093000.0	13805000.0
67	22.1	20.4	22	3	3	0.99	0.750	1107000.0	22546992.0
68	22.5	23.3	22	3	3	0.50	0.750	504000.0	7885000.0
69	33.0	33.3	24	5	7	0.14	0.750	1102000.0	33428992.0
70	35.3	35.6	28	6	7	0.49	0.750	1042000.0	37326000.0
71	37.0	37.7	27	6	6	0.35	0.750	1042000.0	37326000.0
72	33.7	34.5	25	5	4	0.20	0.750	1107000.0	32764992.0
73	41.3	34.6	31	4	7	0.74	0.750	1278000.0	44194992.0
74	41.3	31.4	31	1	7	0.74	0.750	1305400.0	41511888.0
75	34.9	30.1	22	3	7	0.18	0.750	1284000.0	38722288.0
76	33.4	29.7	27	4	8	0.76	0.750	1181000.0	35050192.0

1967-1976
MEAN ERROR
1.77
5.20

TABLE 13.— Continued.

(cc) Kansas in CRD C5 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRK	JAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
KS	55	SAL	55	1.01	0.	0.	85	0.	0.	22.9	31.9	35.7	0.17	WW	1563000.0	21326000.0
KS	56	SAL	56	1.01	0.	0.	80	0.	0.	20.4	26.4	37.4	0.17	WW	1614000.0	25160000.0
KS	57	SAL	57	1.00	1.	0.	76	0.	0.	30.5	33.2	37.4	0.15	WW	951000.0	17150000.0
KS	58	SAL	58	1.00	3.	0.	65	0.	0.	33.2	33.3	37.7	0.15	WW	1609000.0	46666992.0
KS	59	SAL	59	1.00	5.	0.	74	0.	0.	30.3	33.3	35.5	0.17	WW	1608000.0	29868000.0
KS	60	SAL	60	1.00	7.	0.	75	0.	0.	32.3	35.5	35.5	0.15	WW	1631000.0	36035000.0
KS	61	SAL	61	1.04	8.	0.	74	0.	0.	33.0	36.4	36.9	0.15	WW	1655000.0	41448000.0
KS	62	SAL	62	1.03	10.	0.	54	0.	0.	23.9	31.5	38.2	0.17	WW	1457000.0	33776000.0
KS	63	SAL	63	1.04	12.	0.	66	0.	0.	24.0	31.2	38.2	0.17	WW	1530000.0	36848992.0
KS	64	SAL	64	1.04	14.	0.	55	0.	0.	24.4	30.4	38.1	0.17	WW	1567000.0	36728992.0
KS	65	SAL	65	1.05	16.	0.	55	0.	0.	26.1	29.9	36.7	0.16	WW	1647000.0	39494000.0
KS	66	SAL	66	1.06	17.	0.	54	0.	0.	26.5	30.7	37.3	0.17	WW	1521000.0	27376992.0
KS	67	SAL	67	1.07	19.	0.	72	0.	0.	19.3	26.4	33.1	0.17	WW	1779000.0	31078992.0
KS	68	SAL	68	1.05	21.	0.	72	0.	0.	31.1	34.3	36.6	0.17	WW	1779000.0	48284000.0
KS	69	SAL	69	1.10	23.	0.	65	0.	0.	34.3	37.4	35.8	0.15	WW	1561000.0	45224992.0
KS	70	SAL	70	1.13	25.	0.	55	0.	0.	28.7	33.4	37.4	0.16	WW	1406000.0	43422992.0
KS	71	SAL	71	1.12	26.	0.	55	0.	0.	24.7	33.3	37.7	0.17	WW	1307000.0	43735000.0
KS	72	SAL	72	1.12	28.	0.	55	0.	0.	31.5	34.5	37.4	0.16	WW	1452000.0	49262000.0
KS	73	SAL	73	1.13	30.	0.	55	0.	0.	35.3	38.5	36.5	0.13	WW	1545000.0	60404992.0
KS	74	SAL	74	1.13	32.	0.	64	0.	0.	34.5	37.2	35.3	0.15	WW	1759500.0	40638800.0
KS	75	SAL	75	1.15	32.	0.	72	0.	0.	26.7	33.5	38.3	0.16	WW	1901300.0	56014888.0
KS	76	SAL	76	1.17	32.	0.	72	0.	0.	24.3	32.6	33.8	0.16	WW	1910000.0	58843888.0
KNC	49		49	0.75	0.	0.	0	0.	0.	0.0	0.0	0.0	0.0		0.0	0.0

KNC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	24.2	13.4	0.0	0.0	0.0	0.0	0.0	1563000.0	21326000.0
56	21.9	15.6	0.0	0.0	0.0	0.0	0.0	1614000.0	25160000.0
57	31.4	18.0	0.0	0.0	0.0	0.0	0.0	951000.0	17150000.0
58	24.7	26.8	0.0	0.0	0.0	0.0	0.0	1609000.0	46666992.0
59	31.9	18.6	0.0	0.0	0.0	0.0	0.0	1608000.0	29868000.0
60	36.5	22.1	0.0	0.0	0.0	0.0	0.0	1631000.0	36035000.0
61	35.3	22.6	0.0	0.0	0.0	0.0	0.0	1655000.0	41448000.0
62	32.4	23.2	0.0	0.0	0.0	0.0	0.0	1457000.0	33776000.0
63	32.4	24.1	22.0	0.54	0.0	0.750	0.0	1530000.0	36848992.0
64	32.3	23.4	22.7	0.57	0.0	0.750	0.0	1567000.0	36728992.0
65	32.5	24.0	21.8	0.57	0.0	0.750	0.0	1647000.0	39494000.0
66	32.8	23.0	21.5	0.57	0.0	0.750	0.0	1521000.0	27376992.0
67	26.7	17.5	17.7	0.50	0.0	0.750	0.0	1779000.0	31078992.0
68	33.4	27.1	17.5	0.55	0.0	0.750	0.0	1779000.0	48284000.0
69	33.0	27.0	30.5	0.50	0.0	0.750	0.0	1561000.0	45224992.0
70	33.8	30.4	28.8	0.44	0.0	0.750	0.0	1406000.0	43422992.0
71	33.5	33.5	28.4	0.44	0.0	0.750	0.0	1307000.0	43735000.0
72	41.8	33.9	33.3	0.33	0.0	0.750	0.0	1452000.0	49262000.0
73	45.1	34.1	33.3	0.15	0.0	0.750	0.0	1545000.0	60404992.0
74	45.5	33.1	33.3	0.47	0.0	0.750	0.0	1759500.0	40638800.0
75	41.4	28.5	32.2	0.47	0.0	0.750	0.0	1901300.0	56014888.0
76	41.4	30.4	32.3	0.27	0.0	0.750	0.0	1910000.0	58843888.0

1967-1974
MEAN ERROR
BISE 4.41

TABLE 13.— Continued.
(dd) Kansas in CRD EC6 to SRS yields.

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAI	IRF	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
KS	EC6	T0P	55	1.000	14.0	0.0	1.000	0.0	0.0	27.7	31.3	27.1	0.16	WW	407200.0	12414100.0
KS	EC6	T0P	56	1.000	16.0	0.0	1.000	0.0	0.0	25.3	28.1	36.6	0.17	WW	433300.0	14082700.0
KS	EC6	T0P	57	1.000	18.0	0.0	1.000	0.0	0.0	25.5	31.1	34.8	0.14	WW	435000.0	11355000.0
KS	EC6	T0P	58	1.001	20.0	0.0	1.000	0.0	0.0	34.8	37.2	34.3	0.13	WW	404000.0	12113000.0
KS	EC6	T0P	59	1.001	21.0	0.0	1.000	0.0	0.0	32.5	34.9	34.3	0.16	WW	428000.0	10939000.0
KS	EC6	T0P	60	1.002	23.0	0.0	1.000	0.0	0.0	30.8	33.2	30.2	0.15	WW	412000.0	11118000.0
KS	EC6	T0P	61	1.003	25.0	0.0	1.000	0.0	0.0	34.7	37.1	33.1	0.12	WW	414000.0	11504000.0
KS	EC6	T0P	62	1.003	27.0	0.0	1.000	0.0	0.0	28.4	30.9	33.1	0.15	WW	301000.0	7183000.0
KS	EC6	T0P	63	1.005	29.0	0.0	1.000	0.0	0.0	31.4	33.8	35.0	0.17	WW	368000.0	9471000.0
KS	EC6	T0P	64	1.007	30.0	0.0	1.000	0.0	0.0	25.5	30.5	35.7	0.16	WW	415000.0	13269000.0
KS	EC6	T0P	65	1.007	32.0	0.0	1.000	0.0	0.0	27.6	30.2	32.7	0.15	WW	305000.0	7920000.0
KS	EC6	T0P	66	1.008	34.0	0.0	1.000	0.0	0.0	31.6	33.3	34.6	0.17	WW	362000.0	10516000.0
KS	EC6	T0P	67	1.010	35.0	0.0	1.000	0.0	0.0	27.5	27.7	35.5	0.16	WW	445000.0	11126000.0
KS	EC6	T0P	68	1.011	36.0	0.0	1.000	0.0	0.0	34.0	36.7	36.0	0.16	WW	368000.0	13386000.0
KS	EC6	T0P	69	1.012	39.0	0.0	1.000	0.0	0.0	34.1	36.8	31.5	0.14	WW	294000.0	8301000.0
KS	EC6	T0P	70	1.013	41.0	0.0	1.000	0.0	0.0	34.1	31.8	34.4	0.15	WW	257000.0	7490000.0
KS	EC6	T0P	71	1.016	43.0	0.0	1.000	0.0	0.0	33.1	35.8	34.1	0.15	WW	243000.0	9548000.0
KS	EC6	T0P	72	1.017	45.0	0.0	1.000	0.0	0.0	33.0	35.7	33.8	0.15	WW	246000.0	8843000.0
KS	EC6	T0P	73	1.024	47.0	0.0	1.000	0.0	0.0	35.4	39.4	33.6	0.11	WW	279000.0	9784000.0
KS	EC6	T0P	74	1.025	48.0	0.0	1.000	0.0	0.0	34.7	37.5	34.2	0.13	WW	333100.0	9423800.0
KS	EC6	T0P	75	1.027	48.0	0.0	1.000	0.0	0.0	29.4	32.2	36.2	0.14	WW	456700.0	13693700.0
KS	EC6	T0P	76	1.027	48.0	0.0	1.000	0.0	0.0	32.4	35.2	32.1	0.16	WW	520000.0	13976800.0
KS	EC6	T0P	96	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

KNFC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	28.0	30.5	0.0	0.0	0.0	0.0	0.0	407200.0	12414100.0
56	28.0	32.5	0.0	0.0	0.0	0.0	0.0	433300.0	14082700.0
57	31.1	26.1	0.0	0.0	0.0	0.0	0.0	435000.0	11355000.0
58	37.8	30.0	0.0	0.0	0.0	0.0	0.0	404000.0	12113000.0
59	35.2	35.5	0.0	0.0	0.0	0.0	0.0	428000.0	10939000.0
60	34.7	27.0	0.0	0.0	0.0	0.0	0.0	412000.0	11118000.0
61	38.8	27.4	0.0	0.0	0.0	0.0	0.0	414000.0	11504000.0
62	34.4	23.9	0.0	0.0	0.0	0.0	0.0	301000.0	7183000.0
63	34.1	27.1	31.3	32.2	-1.9	2.57	0.750	368000.0	9471000.0
64	32.4	32.0	25.7	23.9	1.8	1.34	0.750	415000.0	13269000.0
65	34.7	25.0	25.0	11.9	13.1	0.90	0.750	305000.0	7920000.0
66	30.0	24.0	23.7	14.2	9.5	0.54	0.750	362000.0	10516000.0
67	30.5	23.3	23.3	13.3	10.0	0.31	0.750	445000.0	11126000.0
68	44.1	35.4	33.2	23.0	10.2	0.77	0.750	368000.0	13386000.0
69	43.5	24.2	33.7	16.0	17.5	1.08	0.750	294000.0	8301000.0
70	30.1	31.1	33.0	11.9	11.0	0.70	0.750	257000.0	7490000.0
71	43.5	39.3	33.3	18.0	6.0	1.07	0.750	243000.0	9548000.0
72	36.1	35.1	35.5	13.8	14.9	2.00	0.750	246000.0	8843000.0
73	44.2	35.1	34.7	13.1	15.0	1.47	0.750	279000.0	9784000.0
74	44.2	31.3	34.0	11.1	11.2	1.72	0.750	333100.0	9423800.0
75	39.0	33.0	33.0	13.0	13.0	1.13	0.750	456700.0	13693700.0
76	44.0	26.5	34.5	10.7	17.7	0.90	0.750	520000.0	13976800.0

1967-1975
MEAN ERROR
RISE -0.82
4.14

TABLE 13.- Continued.

(ee) Kansas in CRD SW7 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	IRK	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
KSS	SW7	DGD	55.	1.03	0.0	44.	0.35	0.60	0.05	20.2	25.9	35.1	0.17	WW	1016000.0	10513000.0
KSS	SW7	DGD	56.	1.03	0.0	45.	0.27	0.67	0.06	19.7	15.0	37.8	0.17	WW	1395000.0	14809000.0
KSS	SW7	DGD	57.	1.03	0.0	46.	0.19	0.57	0.24	24.6	28.4	37.4	0.16	WW	211000.0	3990000.0
KSS	SW7	DGD	58.	1.03	0.0	47.	0.15	0.74	0.06	25.1	30.4	37.8	0.16	WW	1944000.0	49732000.0
KSS	SW7	DGD	59.	1.03	0.0	48.	0.24	0.69	0.07	20.1	26.1	36.5	0.17	WW	1887000.0	35006992.0
KSS	SW7	DGD	60.	1.03	0.0	49.	0.25	0.68	0.07	25.5	30.9	35.0	0.15	WW	1950000.0	61750492.0
KSS	SW7	DGD	61.	1.05	0.0	50.	0.25	0.68	0.07	23.1	30.2	37.1	0.17	WW	1948000.0	56052000.0
KSS	SW7	DGD	62.	1.04	0.0	51.	0.18	0.75	0.07	14.5	23.7	32.2	0.17	WW	1649000.0	36078992.0
KSS	SW7	DGD	63.	1.04	0.0	52.	0.17	0.75	0.08	14.1	19.9	37.9	0.17	WW	1142000.0	15841000.0
KSS	SW7	DGD	64.	1.05	0.0	53.	0.15	0.77	0.08	9.0	18.9	38.4	0.17	WW	1587000.0	24585992.0
KSS	SW7	DGD	65.	1.05	0.0	54.	0.16	0.74	0.10	14.5	18.4	36.4	0.17	WW	1656000.0	37358992.0
KSS	SW7	DGD	66.	1.06	2.0	55.	0.17	0.73	0.10	17.2	23.6	37.1	0.17	WW	1837000.0	266664000.0
KSS	SW7	DGD	67.	1.07	4.0	56.	0.20	0.70	0.10	14.1	22.1	38.4	0.17	WW	1616000.0	25042992.0
KSS	SW7	DGD	68.	1.10	5.0	57.	0.18	0.71	0.11	17.0	22.2	37.1	0.17	WW	1211000.0	17520000.0
KSS	SW7	DGD	69.	1.11	7.0	58.	0.18	0.71	0.11	22.9	27.0	36.4	0.17	WW	1627000.0	52158000.0
KSS	SW7	DGD	70.	1.12	9.0	59.	0.12	0.74	0.12	22.0	27.2	37.4	0.17	WW	1609000.0	53544000.0
KSS	SW7	DGD	71.	1.13	11.0	60.	0.12	0.77	0.11	17.2	24.7	38.2	0.17	WW	1649000.0	53364992.0
KSS	SW7	DGD	72.	1.14	13.0	60.	0.11	0.77	0.11	21.1	24.6	35.7	0.17	WW	1632000.0	53142000.0
KSS	SW7	DGD	73.	1.15	14.0	60.	0.05	0.82	0.10	29.5	33.0	36.7	0.15	WW	1911000.0	54298992.0
KSS	SW7	DGD	74.	1.16	16.0	60.	0.11	0.78	0.11	29.0	29.4	38.6	0.17	WW	2027500.0	53833648.0
KSS	SW7	DGD	75.	1.16	16.0	60.	0.12	0.73	0.15	18.8	24.2	38.6	0.17	WW	1936300.0	52385600.0
KSS	SW7	DGD	76.	1.16	16.0	60.	0.12	0.73	0.15	17.7	23.2	35.3	0.17	WW	1241000.0	32959200.0
KSS	SW7	DGD	94.	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

KNSW

YR	WAC	SRS	ESTY	VAR	ENHOR	INTER	SLOPF	ACREAGE	PRODUCTION
55	25.5	10.3	0.0	0.0	0.0	0.0	0.0	1015000.0	10513000.0
56	19.5	10.6	0.0	0.0	0.0	0.0	0.0	1395000.0	14809000.0
57	32.5	18.9	0.0	0.0	0.0	0.0	0.0	211000.0	3990000.0
58	31.4	25.6	0.0	0.0	0.0	0.0	0.0	1944000.0	49732000.0
59	26.7	18.6	0.0	0.0	0.0	0.0	0.0	1887000.0	35006992.0
60	31.3	31.7	0.0	0.0	0.0	0.0	0.0	1950000.0	61750492.0
61	31.0	28.8	0.0	0.0	0.0	0.0	0.0	1948000.0	56052000.0
62	25.4	21.9	0.0	0.0	0.0	0.0	0.0	1649000.0	36078992.0
63	20.9	13.4	16.4	46.43	12.5	-0.02	0.750	1142000.0	15841000.0
64	20.7	16.5	15.3	31.43	11.2	0.76	0.750	1587000.0	24585992.0
65	21.5	22.5	17.3	22.09	15.3	1.14	0.750	1656000.0	37358992.0
66	26.7	14.5	22.7	17.50	18.1	2.53	0.750	1837000.0	266664000.0
67	26.4	15.5	22.0	15.41	15.2	0.750	0.750	1616000.0	25042992.0
68	27.3	14.5	22.0	15.95	17.2	1.43	0.750	1211000.0	17520000.0
69	32.7	32.1	24.0	45.63	7.0	0.45	0.750	1627000.0	52158000.0
70	34.8	33.3	22.0	59.30	7.3	0.09	0.750	1609000.0	53544000.0
71	32.6	31.4	24.4	47.08	6.8	0.88	0.750	1649000.0	53364992.0
72	32.2	32.6	24.5	47.33	6.5	0.54	0.750	1632000.0	53142000.0
73	41.3	33.5	32.5	97.00	6.0	2.70	0.750	1911000.0	54298992.0
74	33.3	27.6	33.6	53.83	11.3	2.24	0.750	2027500.0	53833648.0
75	34.3	27.1	32.2	53.14	11.4	2.75	0.750	1936300.0	52385600.0
76	32.7	26.5	27.0	31.51	11.3	3.35	0.750	1241000.0	32959200.0

1967-1976
MEAN ERROR
PACF
0.46
5.52

TABLE 13.— Continued.

(ff) Kansas in CRD SC8 to SRS yields

STATE	CRD	STN	YR	VYA	NT D	NI W	CON	FAL	TKK	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
KS	SC8	WTC	55.	1.001	0.	0.	0.88	0.12	0.0	20.3	29.3	37.0	0.17	WW	1755000.0	14197000.0
KS	SC8	WTC	56.	1.001	0.	0.	0.80	0.20	0.0	21.2	26.1	37.1	0.17	WW	2052000.0	33284000.0
KS	SC8	WTC	57.	1.002	0.	0.	0.82	0.18	0.0	21.3	30.8	37.0	0.15	WW	1360000.0	22638992.0
KS	SC8	WTC	58.	1.001	2.	0.	0.67	0.33	0.0	22.1	35.1	36.6	0.15	WW	2144000.0	61218000.0
KS	SC8	WTC	59.	1.001	4.	0.	0.74	0.21	0.0	22.4	31.4	36.4	0.17	WW	2148000.0	41538992.0
KS	SC8	WTC	60.	1.001	6.	0.	0.43	0.19	0.0	22.3	35.1	33.4	0.14	WW	2136000.0	53848992.0
KS	SC8	WTC	61.	1.003	7.	0.	0.43	0.17	0.0	21.0	35.2	37.0	0.14	WW	2204000.0	63754000.0
KS	SC8	WTC	62.	1.003	9.	0.	0.75	0.25	0.0	27.1	29.9	37.2	0.15	WW	1849000.0	40486992.0
KS	SC8	WTC	63.	1.003	11.	0.	0.73	0.27	0.0	27.4	30.1	37.7	0.17	WW	1423000.0	38046992.0
KS	SC8	WTC	64.	1.003	13.	0.	0.72	0.28	0.0	23.5	29.2	37.3	0.17	WW	2044000.0	49032000.0
KS	SC8	WTC	65.	1.004	15.	0.	0.73	0.27	0.0	25.4	30.2	35.2	0.15	WW	2313000.0	66924000.0
KS	SC8	WTC	66.	1.004	16.	0.	0.73	0.27	0.0	26.0	31.2	37.7	0.17	WW	2273000.0	48342992.0
KS	SC8	WTC	67.	1.005	18.	0.	0.76	0.22	0.0	15.4	24.2	37.0	0.17	WW	2375000.0	41724992.0
KS	SC8	WTC	68.	1.007	20.	0.	0.80	0.20	0.0	21.0	31.4	36.7	0.15	WW	2569000.0	72100992.0
KS	SC8	WTC	69.	1.004	22.	0.	0.78	0.22	0.0	24.2	35.3	36.2	0.14	WW	2251000.0	72460000.0
KS	SC8	WTC	70.	1.100	24.	0.	0.70	0.30	0.0	26.3	33.2	37.1	0.15	WW	2837000.0	66154000.0
KS	SC8	WTC	71.	1.100	25.	0.	0.71	0.29	0.0	26.5	30.7	37.4	0.17	WW	2057000.0	67736992.0
KS	SC8	WTC	72.	1.100	27.	0.	0.72	0.28	0.0	30.7	33.3	34.3	0.15	WW	2174000.0	74376000.0
KS	SC8	WTC	73.	1.111	29.	0.	0.73	0.27	0.0	34.4	37.2	35.6	0.11	WW	2381000.0	86986000.0
KS	SC8	WTC	74.	1.112	31.	0.	0.80	0.20	0.0	31.4	34.7	36.5	0.15	WW	2765100.0	71325600.0
KS	SC8	WTC	75.	1.112	31.	0.	0.80	0.20	0.0	28.4	32.4	37.3	0.15	WW	2876000.0	80425392.0
KS	SC8	WTC	76.	1.112	33.	0.	0.81	0.17	0.0	24.0	31.0	34.3	0.15	WW	2770000.0	76475600.0
KS	SC8	WTC	94.	0.075	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

KN5C

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	21.5	16.1	0.0	0.0	0.0	0.0	0.0	1755000.0	14197000.0
56	22.4	16.6	0.0	0.0	0.0	0.0	0.0	2052000.0	33284000.0
57	26.3	22.8	0.0	0.0	0.0	0.0	0.0	1360000.0	22638992.0
58	33.7	24.5	0.0	0.0	0.0	0.0	0.0	2144000.0	61218000.0
59	34.0	25.0	0.0	0.0	0.0	0.0	0.0	2148000.0	41538992.0
60	34.1	25.0	0.0	0.0	0.0	0.0	0.0	2136000.0	53848992.0
61	34.0	25.0	0.0	0.0	0.0	0.0	0.0	2204000.0	63754000.0
62	35.1	21.5	0.0	0.0	0.0	0.0	0.0	1849000.0	40486992.0
63	35.3	19.0	21.7	11.54	-1.0	-1.49	0.750	1423000.0	38046992.0
64	35.3	23.5	22.3	11.73	-3.2	-10.40	0.750	2044000.0	49032000.0
65	31.2	28.0	22.9	12.50	-5.0	-10.53	0.750	2313000.0	66924000.0
66	31.2	21.3	24.7	12.47	-3.4	-8.22	0.750	2273000.0	48342992.0
67	21.7	17.6	15.4	54.57	1.2	0.10	0.750	2375000.0	41724992.0
68	34.1	24.1	26.2	12.05	1.2	0.55	0.750	2569000.0	72100992.0
69	40.0	32.0	31.0	21.41	0.5	1.00	0.750	2251000.0	72460000.0
70	37.7	32.0	26.1	12.14	3.6	0.78	0.750	2837000.0	66154000.0
71	35.1	32.0	27.7	11.23	2.2	1.43	0.750	2057000.0	67736992.0
72	36.1	34.1	31.0	11.21	2.0	2.04	0.750	2174000.0	74376000.0
73	42.0	33.0	34.0	13.25	1.1	2.00	0.750	2381000.0	86986000.0
74	41.5	25.0	34.0	10.54	1.5	2.44	0.750	2765100.0	71325600.0
75	35.4	24.0	31.0	15.64	2.3	2.54	0.750	2876000.0	80425392.0
76	37.8	27.0	31.0	17.16	2.0	2.20	0.750	2770000.0	76475600.0

1967-1976
MEAN ERROR
3.72

TABLE 13.—Continued.

(gg) Kansas in CRD SE9 to SRS yields

ST	ACREAGE	PRODUCTION
ST	542300.0	11439100.0
AC	576000.0	14752000.0
AD	538000.0	8226000.0
AE	498000.0	14567000.0
AF	565000.0	13685000.0
AG	545000.0	17246000.0
AH	546000.0	14220000.0
AI	433000.0	9961000.0
AJ	516000.0	13136000.0
AK	5576000.0	17886000.0
AL	606000.0	18816992.0
AM	595000.0	14277600.0
AN	712000.0	21404992.0
AO	635000.0	21790000.0
AP	514000.0	15174000.0
AQ	460000.0	17964992.0
AR	480000.0	17634992.0
AS	460000.0	16029000.0
AT	609300.0	16743200.0
AU	660300.0	17094288.0
AV	740000.0	18461600.0
AW	0.0	0.0

K:SF

ACREAGE	PRODUCTION
542300.0	11439100.0
576000.0	14752000.0
538000.0	8226000.0
498000.0	14567000.0
565000.0	13685000.0
545000.0	17246000.0
546000.0	14220000.0
433000.0	9961000.0
516000.0	13136000.0
5576000.0	17886000.0
606000.0	18816992.0
595000.0	14277600.0
712000.0	21404992.0
635000.0	21790000.0
514000.0	15174000.0
460000.0	17964992.0
480000.0	17634992.0
460000.0	16029000.0
609300.0	16743200.0
660300.0	17094288.0
740000.0	18461600.0

1967-1976
MEAN ERROR
K:SF
-0.42
5.22

TABLE 13.— Continued.

(hh) Oklahoma aggregation to SRS yields

(K)	SFS	FSTY	ERROR	ACWAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0
63	22.7	21.1	1.6	1204350.0	27464476.0
64	25.0	14.7	5.3	1385750.0	34706080.0
65	28.0	23.5	5.4	1509500.0	43741974.0
66	22.0	25.7	-2.8	1494500.0	34268080.0
67	19.7	21.4	-1.7	1742600.0	34354672.0
68	24.7	25.2	-0.5	4681500.0	115663468.0
69	29.0	28.4	0.6	3633500.0	106212076.0
70	27.3	27.5	0.2	3222500.0	87324436.0
71	20.1	23.3	-2.2	2458000.0	59643068.0
72	22.1	27.1	-3.5	3274000.0	7724477.0
73	31.1	22.1	3.0	4241500.0	13121127.0
74	23.0	25.4	-2.2	5243000.0	12030500.0
75	25.7	27.3	-1.7	5544100.0	142764736.0
76	24.4	27.0	-2.5	523500.0	134968000.0
	1967-1974				
	MEAN	ERROR	-1.02		
		SE	2.15		

TABLE 13.- Continued.

(ii) Oklahoma in CRD NC2 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CDW	FAL	FOR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
OK	NC		60.	1.03	10.	0.	0.88	0.12	0.0	31.3	33.5	31.0	0.13		1483000.0	40666000.0
OK	NC		61.	1.04	11.	0.	0.84	0.12	0.0	30.6	33.3	28.4	0.13		1456400.0	37702992.0
OK	NC		62.	1.04	12.	0.	0.84	0.12	0.0	27.1	24.6	33.3	0.15		1211000.0	27076992.0
OK	NC		63.	1.04	14.	0.	0.82	0.12	0.0	25.9	24.0	32.3	0.17		1283300.0	27444000.0
OK	NC	V	64.	1.05	15.	0.	0.83	0.12	0.0	22.4	29.0	31.3	0.16	WW	1385100.0	36368096.0
OK	NC	V	65.	1.06	17.	0.	0.96	0.04	0.0	24.1	31.3	30.0	0.14	WW	1540200.0	44770992.0
OK	NC	V	66.	1.07	19.	0.	0.97	0.03	0.0	25.7	30.5	31.2	0.16	WW	1509400.0	44381200.0
OK	NC	V	67.	1.08	21.	0.	0.97	0.03	0.0	15.5	24.9	31.8	0.17	WW	1748700.0	469560192.0
OK	NC	V	68.	1.09	23.	0.	0.94	0.02	0.0	25.4	25.0	31.6	0.16	WW	1803000.0	45944992.0
OK	NC	V	69.	1.09	23.	0.	0.95	0.04	0.0	22.2	33.8	24.5	0.14	WW	1434000.0	44010000.0
OK	NC	V	70.	1.05	22.	0.	0.97	0.03	0.0	28.8	31.9	24.0	0.16	WW	1270000.0	37430000.0
OK	NC	V	71.	1.06	22.	0.	0.94	0.05	0.0	24.0	27.6	28.7	0.17	WW	1325000.0	31464000.0
OK	NC	V	72.	1.06	30.	0.	0.94	0.05	0.0	24.2	31.1	23.2	0.16	WW	1325000.0	33444992.0
OK	NC	V	73.	1.07	32.	0.	0.94	0.02	0.0	22.8	35.6	32.3	0.09	WW	1746000.0	50138000.0
OK	NC	V	74.	1.08	33.	0.	0.94	0.01	0.0	23.2	31.3	31.3	0.15	WW	2041000.0	51504000.0
OK	NC	V	75.	1.07	33.	0.	1.00	0.0	0.0	24.7	31.2	30.6	0.13	WW	2128000.0	55440992.0
OK	NC	V	76.	1.07	33.	0.	1.00	0.0	0.0	28.4	31.0	33.4	0.16	WW	1981000.0	49500000.0
OKNC	NC		99.	0.75	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0

OKNC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	27.4	27.4	0.0	0.0	0.0	0.0	0.0	1483000.0	40666000.0
61	33.6	25.4	0.0	0.0	0.0	0.0	0.0	1456400.0	37702992.0
62	30.4	22.4	0.0	0.0	0.0	0.0	0.0	1211000.0	27076992.0
63	30.7	21.8	0.0	0.0	0.0	0.0	0.0	1283300.0	27444000.0
64	27.6	28.3	0.0	0.0	0.0	0.0	0.0	1385100.0	36368096.0
65	27.4	31.7	0.0	0.0	0.0	0.0	0.0	1540200.0	44770992.0
66	31.4	23.2	0.0	0.0	0.0	0.0	0.0	1509400.0	44381200.0
67	24.0	17.8	0.0	0.0	0.0	0.0	0.0	1748700.0	469560192.0
68	24.3	17.1	25.4	12.7	0.3	1.7	0.750	1803000.0	45944992.0
69	20.0	30.5	23.2	22.4	-0.2	1.5	0.750	1434000.0	44010000.0
70	35.0	29.5	27.9	22.2	1.6	1.1	0.750	1270000.0	37430000.0
71	30.7	33.7	27.9	22.2	1.4	1.1	0.750	1325000.0	31464000.0
72	26.1	25.5	20.4	11.3	0.9	2.3	0.750	1325000.0	33444992.0
73	31.2	33.3	31.1	11.5	0.5	1.4	0.750	1746000.0	50138000.0
74	24.7	21.0	0.0	5.44	1.3	1.0	0.750	2041000.0	51504000.0
75	35.3	26.4	27.3	5.74	0.6	0.5	0.750	2128000.0	55440992.0
76	36.0	25.0	29.1	5.44	1.3	1.0	0.750	1981000.0	49500000.0

1967-1976
MFAU FROM
CASE
-0.01
2.35

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 13.- Continued.

(JJ) Oklahoma in CRD NE3 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	JKK	ALC	KCF	KAC	KAC M	CROP	ACHEAF	PRODUCTION
OK	NF	TUL	55.	1.00	18.	0.0	1.00	0.0	0.0	26.3	20.5	31.0	0.15	WW	1322433.0	2185150.0
OK	NF	TUL	56.	1.00	15.	0.0	1.00	0.0	0.0	27.7	20.0	30.0	0.16	WW	1322433.0	3218130.0
OK	NF	TUL	57.	1.00	20.	0.0	1.00	0.0	0.0	24.5	24.9	20.0	0.09	WW	1322433.0	1099197.0
OK	NF	TUL	58.	1.00	22.	0.0	1.00	0.0	0.0	24.7	20.0	20.0	0.09	WW	1322433.0	3049440.0
OK	NF	TUL	59.	1.00	24.	0.0	1.00	0.0	0.0	29.0	21.0	20.0	0.16	WW	1419000.0	2820230.0
OK	NF	TUL	60.	1.00	25.	0.0	1.00	0.0	0.0	29.0	22.0	20.0	0.16	WW	1419000.0	3500000.0
OK	NF	TUL	61.	1.00	27.	0.0	1.00	0.0	0.0	33.0	22.0	20.0	0.07	WW	1463000.0	3500000.0
OK	NF	TUL	62.	1.00	28.	0.0	1.00	0.0	0.0	33.0	22.0	20.0	0.11	WW	1100000.0	3500000.0
OK	NF	TUL	63.	1.00	31.	0.0	1.00	0.0	0.0	30.0	20.0	20.0	0.14	WW	1170000.0	42559000.0
OK	NF	TUL	64.	1.00	32.	0.0	1.00	0.0	0.0	30.0	20.0	20.0	0.11	WW	1451000.0	42559000.0
OK	NF	TUL	65.	1.00	34.	0.0	1.00	0.0	0.0	33.0	20.0	20.0	0.11	WW	1534000.0	5122000.0
OK	NF	TUL	66.	1.00	35.	0.0	1.00	0.0	0.0	32.0	20.0	20.0	0.11	WW	1741000.0	42559000.0
OK	NF	TUL	67.	1.00	35.	0.0	1.00	0.0	0.0	33.0	20.0	20.0	0.11	WW	1920000.0	42559000.0
OK	NF	TUL	68.	1.00	37.	0.0	1.00	0.0	0.0	33.0	20.0	20.0	0.11	WW	1430000.0	42559000.0
OK	NF	TUL	69.	1.00	39.	0.0	1.00	0.0	0.0	33.0	20.0	20.0	0.12	WW	1170000.0	42559000.0
OK	NF	TUL	70.	1.00	44.	0.0	1.00	0.0	0.0	33.0	20.0	20.0	0.11	WW	1275000.0	34855000.0
OK	NF	TUL	71.	1.00	45.	0.0	1.00	0.0	0.0	33.0	20.0	20.0	0.11	WW	1170000.0	42559000.0
OK	NF	TUL	72.	1.00	45.	0.0	1.00	0.0	0.0	33.0	20.0	20.0	0.11	WW	1275000.0	34855000.0
OK	NF	TUL	73.	1.00	44.	0.0	1.00	0.0	0.0	34.0	20.0	20.0	0.11	WW	1035000.0	31113000.0
OK	NF	TUL	74.	1.00	50.	0.0	1.00	0.0	0.0	32.0	20.0	20.0	0.09	WW	1480000.0	35558000.0
OK	NF	TUL	75.	1.00	50.	0.0	1.00	0.0	0.0	32.0	20.0	20.0	0.10	WW	1415000.0	35558000.0
OK	NF	TUL	76.	1.00	50.	0.0	1.00	0.0	0.0	32.0	20.0	20.0	0.10	WW	1415000.0	5762000.0

OKNF

YR	AC	SRS	FSTY	VAP	ERRR	INTER	SLOPE	ACF	46E	PRODUCTION
55	28.9	16.5	0.0	0.0	0.0	0.0	0.0	1322433.0	2185150.0	
56	30.7	24.3	0.0	0.0	0.0	0.0	0.0	1322433.0	3218130.0	
57	25.9	8.3	0.0	0.0	0.0	0.0	0.0	1322433.0	1099197.0	
58	37.4	23.4	0.0	0.0	0.0	0.0	0.0	1322433.0	3049440.0	
59	34.4	21.3	0.0	0.0	0.0	0.0	0.0	1322433.0	2820230.0	
60	25.5	25.8	0.0	0.0	0.0	0.0	0.0	1419000.0	3500000.0	
61	34.2	24.7	0.0	0.0	0.0	0.0	0.0	1463000.0	3400000.0	
62	35.4	23.1	0.0	0.0	0.0	0.0	0.0	1100000.0	2532000.0	
63	37.0	23.5	24.5	24.42	-1.0	-3.29	0.750	1170000.0	2750000.0	
64	34.9	24.2	22.2	22.14	-1.0	-3.16	0.750	1451000.0	42559000.0	
65	36.9	31.3	24.2	25.14	-1.0	-3.89	0.750	1637000.0	5122000.0	
66	40.2	24.4	24.1	24.63	-1.0	-1.05	0.750	1741000.0	42359000.0	
67	33.2	24.4	24.1	24.17	-1.0	-1.20	0.750	125000.0	51831000.0	
68	30.7	25.7	25.1	27.74	-1.0	-3.44	0.750	1020000.0	45325000.0	
69	41.7	30.1	30.0	25.23	-1.0	-1.24	0.750	1430000.0	43000000.0	
70	39.4	31.8	25.0	15.40	-1.0	-1.56	0.750	1240000.0	40725000.0	
71	40.9	30.7	25.0	15.15	-1.0	-0.40	0.750	1170000.0	35450000.0	
72	41.1	27.3	30.0	15.14	-1.0	-0.27	0.750	1275000.0	34550000.0	
73	40.2	30.1	25.0	12.19	-1.0	-1.14	0.750	1035000.0	31113000.0	
74	37.5	24.0	27.4	14.31	-1.0	-1.60	0.750	1440000.0	35558000.0	
75	36.0	22.7	25.5	10.54	-1.0	-1.49	0.750	1402100.0	31802000.0	
76	40.2	30.1	20.2	8.01	-1.0	-1.47	0.750	1915000.0	57020000.0	

1057-1475
MFAN EXHIBIT
4/56
-0.43
2.48

TABLE 13.— Continued.

(kk) Oklahoma in CRD WCO4 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	ILR	AC C	AC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
OK	WCO4	OKC	55.	1.022	0.0	0.0	0.95	0.05	0.0	17.4	23.3	29.1	0.17	WW	596100.0	3874650.0
OK	WCO4	OKC	56.	1.022	0.0	0.0	0.95	0.05	0.0	20.2	22.5	36.9	0.15	WW	596100.0	9537600.0
OK	WCO4	OKC	57.	1.022	0.0	0.0	0.95	0.05	0.0	24.7	25.0	35.1	0.10	WW	596100.0	7510860.0
OK	WCO4	OKC	58.	1.022	1.1	0.0	0.95	0.05	0.0	31.2	27.2	35.7	0.12	WW	596100.0	14604450.0
OK	WCO4	OKC	59.	1.022	3.3	0.0	0.95	0.05	0.0	23.8	27.2	35.6	0.17	WW	596100.0	11743170.0
OK	WCO4	OKC	60.	1.023	5.5	0.0	0.95	0.05	0.0	36.4	32.4	31.9	0.13	WW	644000.0	16552000.0
OK	WCO4	OKC	61.	1.023	5.6	0.0	0.95	0.05	0.0	29.5	31.4	34.0	0.13	WW	633300.0	13271000.0
OK	WCO4	OKC	62.	1.024	5.6	0.0	0.95	0.05	0.0	25.1	24.0	34.0	0.15	WW	511000.0	9658000.0
OK	WCO4	OKC	63.	1.024	10.0	0.0	0.95	0.05	0.0	25.6	26.8	35.2	0.17	WW	560000.0	11440000.0
OK	WCO4	OKC	64.	1.025	12.0	0.0	0.92	0.08	0.0	15.6	26.7	37.2	0.17	WW	633600.0	14404400.0
OK	WCO4	OKC	65.	1.025	12.0	0.0	0.92	0.08	0.0	25.4	24.4	34.0	0.16	WW	706900.0	19274992.0
OK	WCO4	OKC	66.	1.025	14.0	0.0	0.94	0.05	0.0	25.2	25.5	35.2	0.15	WW	693400.0	16051800.0
OK	WCO4	OKC	67.	1.027	17.0	0.0	0.95	0.05	0.0	14.1	23.6	35.5	0.17	WW	775300.0	13150000.0
OK	WCO4	OKC	68.	1.028	19.0	0.0	0.96	0.04	0.0	22.4	25.8	36.1	0.16	WW	854500.0	19730992.0
OK	WCO4	OKC	69.	1.024	21.0	0.0	0.94	0.06	0.0	24.1	24.0	36.2	0.14	WW	660000.0	18156000.0
OK	WCO4	OKC	70.	1.024	23.0	0.0	0.93	0.07	0.0	27.3	29.6	34.9	0.17	WW	586000.0	14072000.0
OK	WCO4	OKC	71.	1.024	25.0	0.0	0.94	0.07	0.0	17.1	23.3	34.8	0.17	WW	513000.0	7710000.0
OK	WCO4	OKC	72.	1.023	25.0	0.0	0.94	0.07	0.0	26.2	27.3	34.6	0.17	WW	545000.0	13069000.0
OK	WCO4	OKC	73.	1.025	28.0	0.0	0.95	0.05	0.0	31.8	34.0	33.3	0.09	WW	738500.0	21830992.0
OK	WCO4	OKC	74.	1.027	30.0	0.0	0.94	0.06	0.0	25.7	28.8	34.4	0.16	WW	934000.0	21092992.0
OK	WCO4	OKC	75.	1.014	30.0	0.0	0.94	0.06	0.0	24.7	30.4	36.5	0.14	WW	1044300.0	24806000.0
OK	WCO4	OKC	76.	1.014	30.0	0.0	0.94	0.06	0.0	27.6	30.0	33.6	0.15	WW	1026000.0	24236000.0
OK	WCO4	OKC	99.	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0

OKWC

YR	WAC	SRS	ESTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	14.9	6.5	0.0	0.0	0.0	0.0	0.0	596100.0	3874650.0
56	20.7	16.0	0.0	0.0	0.0	0.0	0.0	596100.0	9537600.0
57	25.3	12.6	0.0	0.0	0.0	0.0	0.0	596100.0	7510860.0
58	32.0	24.5	0.0	0.0	0.0	0.0	0.0	596100.0	14604450.0
59	25.0	19.7	0.0	0.0	0.0	0.0	0.0	596100.0	11743170.0
60	32.1	25.7	0.0	0.0	0.0	0.0	0.0	644000.0	16552000.0
61	31.4	21.0	0.0	0.0	0.0	0.0	0.0	633300.0	13271000.0
62	27.5	14.0	0.0	0.0	0.0	0.0	0.0	511000.0	9658000.0
63	25.3	20.8	15.4	13.29	1.1	-1.77	0.750	560000.0	11440000.0
64	23.3	22.7	15.5	10.15	6.2	-0.98	0.750	633600.0	14404400.0
65	29.3	27.3	21.6	13.68	5.7	-0.39	0.750	706900.0	19274992.0
66	29.6	23.1	23.3	10.22	2.2	1.07	0.750	693400.0	16051800.0
67	22.8	17.0	14.2	14.91	2.2	1.12	0.750	775300.0	13150000.0
68	28.0	23.1	22.0	10.24	1.1	0.49	0.750	854500.0	19730992.0
69	33.0	27.5	26.5	16.45	2.0	1.04	0.750	660000.0	18156000.0
70	32.5	24.0	26.0	14.14	2.0	1.52	0.750	586000.0	14072000.0
71	22.7	15.0	15.8	11.71	3.4	1.20	0.750	513000.0	7710000.0
72	31.7	24.0	25.4	8.73	1.4	1.55	0.750	545000.0	13069000.0
73	29.2	28.5	28.1	7.92	1.4	1.02	0.750	738500.0	21830992.0
74	32.4	22.5	25.0	3.75	2.4	1.07	0.750	934000.0	21092992.0
75	35.2	23.8	26.8	3.97	3.0	0.34	0.750	1044300.0	24806000.0
76	36.7	23.6	27.6	5.73	3.0	0.02	0.750	1026000.0	24236000.0

1967-1970
MEAN ERROR
-1.41
2.37

TABLE 13.— Continued.

(11) Oklahoma in CRD C5 to SRS yields

STAT	CRD	STN	YR	VYA	NT D	NT W	CON	FAL	1/2 X	4 AC C	4 AC F	WAC I	WAC N	CROP	ACREAGF	PRODUCTION
OK	0000	OK	55	11	10	0	0	0	0	26	26	30	0	WW	508000	381000
OK	0000	OK	56	11	12	0	0	0	0	29	29	35	0	WW	508000	1026160
OK	0000	OK	57	11	14	0	0	0	0	25	25	33	0	WW	508000	487680
OK	0000	OK	58	11	16	0	0	0	0	34	34	36	0	WW	508000	1234440
OK	0000	OK	59	11	18	0	0	0	0	29	29	36	0	WW	508000	1127760
OK	0000	OK	60	11	19	0	0	0	0	31	31	34	0	WW	540000	1605400
OK	0000	OK	61	11	21	0	0	0	0	31	31	34	0	WW	535000	1427600
OK	0000	OK	62	11	23	0	0	0	0	31	31	34	0	WW	445000	925500
OK	0000	OK	63	11	25	0	0	0	0	28	28	35	0	WW	491000	1228300
OK	0000	OK	64	11	27	0	0	0	0	27	27	35	0	WW	553000	1467070
OK	0000	OK	65	11	28	0	0	0	0	31	31	35	0	WW	546800	1784200
OK	0000	OK	66	11	30	0	0	0	0	31	31	35	0	WW	575300	1245380
OK	0000	OK	67	11	32	0	0	0	0	30	30	35	0	WW	645100	1485300
OK	0000	OK	68	11	34	0	0	0	0	30	30	35	0	WW	658000	1791400
OK	0000	OK	69	11	36	0	0	0	0	32	32	34	0	WW	534000	1645500
OK	0000	OK	70	11	37	0	0	0	0	32	32	34	0	WW	465000	1233200
OK	0000	OK	71	11	39	0	0	0	0	32	32	34	0	WW	452000	1039300
OK	0000	OK	72	11	41	0	0	0	0	30	30	35	0	WW	451000	1102700
OK	0000	OK	73	11	43	0	0	0	0	32	32	35	0	WW	595500	1861292
OK	0000	OK	74	11	44	0	0	0	0	28	28	35	0	WW	781000	1713892
OK	0000	OK	75	11	45	0	0	0	0	29	29	35	0	WW	834440	2246440
OK	0000	OK	99	0	0	0	0	0	0	0	0	0	0	WW	829500	2109000

OKC

YR	AC	STY	VAP	FR	INT	SLOPE	ACREAGF	PRODUCTION
55	27	0	0	0	0	0	508000	381000
56	30	2	0	0	0	0	508000	1026160
57	26	0	0	0	0	0	508000	487680
58	33	1	0	0	0	0	508000	1234440
59	31	0	0	0	0	0	508000	1127760
60	33	5	0	0	0	0	540000	1605400
61	24	4	0	0	0	0	535000	1427600
62	34	6	0	0	0	0	445000	925500
63	27	5	0	0	0	0	491000	1228300
64	27	5	3	0	0	0	553000	1467070
65	32	4	4	0	0	0	546800	1784200
66	37	1	2	0	0	0	575300	1245380
67	32	1	4	0	0	0	645100	1485300
68	37	1	4	0	0	0	658000	1791400
69	37	1	4	0	0	0	534000	1645500
70	37	1	4	0	0	0	465000	1233200
71	37	1	4	0	0	0	452000	1039300
72	37	1	4	0	0	0	451000	1102700
73	37	1	4	0	0	0	595500	1861292
74	37	1	4	0	0	0	781000	1713892
75	37	1	4	0	0	0	834440	2246440
99	0	0	0	0	0	0	829500	2109000

1967-1974
FAM FR
2.61
2.44

TABLE 13.— Continued.

(mm) Oklahoma in CRD SW7 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	COM	FAL	JUN	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
OK	SW		60.	11.034	10.	50.	0.022	0.05	0.02	30.5	31.1	33.0	0.13		822000.0	24212992.0
OK	SW		61.	11.034	11.	50.	0.022	0.06	0.02	29.7	29.4	32.7	0.12		804400.0	19184000.0
OK	SW		62.	11.034	12.	50.	0.022	0.06	0.02	26.0	27.8	35.0	0.15		610000.0	10851000.0
OK	SW	7	63.	11.035	14.	50.	0.022	0.05	0.03	25.8	26.0	34.5	0.17		694000.0	16658000.0
OK	SW	7	64.	11.035	14.	52.	0.042	0.05	0.03	25.1	25.4	35.4	0.17	WW	792200.0	17069792.0
OK	SW	7	65.	11.035	16.	52.	0.042	0.05	0.02	25.4	25.8	35.1	0.16	WW	912000.0	25818992.0
OK	SW	7	67.	11.037	14.	54.	0.042	0.06	0.02	17.7	20.4	35.7	0.17	WW	1054600.0	17214992.0
OK	SW	7	68.	11.033	21.	56.	0.022	0.05	0.02	26.0	27.3	34.6	0.14	WW	1077000.0	24554000.0
OK	SW	7	69.	11.039	23.	58.	0.041	0.07	0.02	27.7	27.6	33.4	0.13	WW	807000.0	21910992.0
OK	SW	7	70.	11.033	25.	60.	0.090	0.04	0.01	24.3	24.6	33.2	0.16	WW	734000.0	18914000.0
OK	SW	7	71.	11.034	26.	60.	0.042	0.16	0.02	14.4	23.0	33.3	0.17	WW	417000.0	4745000.0
OK	SW	7	72.	11.034	26.	60.	0.079	0.14	0.02	25.3	25.3	35.5	0.17	WW	795000.0	15047000.0
OK	SW	7	73.	11.035	30.	60.	0.093	0.06	0.01	32.7	33.0	35.0	0.06	WW	1015000.0	28904000.0
OK	SW	7	74.	11.035	30.	60.	0.095	0.04	0.01	25.1	26.9	35.2	0.16	WW	1217000.0	25844992.0
OK	SW	7	75.	11.035	30.	60.	0.096	0.02	0.02	24.2	24.6	33.7	0.14	WW	1346800.0	33138000.0
OK	SW	7	76.	11.036	30.	60.	0.096	0.01	0.03	27.8	29.4	32.0	0.15	WW	1388000.0	31900000.0
OK	SW		99.	0.75	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0

OKSW

YR	WAC	SRS	FSTY	VAR	ERROR	INTER	SLOPE	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	33.3	22.5	0.0	0.0	0.0	0.0	0.0	822000.0	24212992.0
60	33.4	23.4	0.0	0.0	0.0	0.0	0.0	804400.0	19184000.0
61	29.4	17.8	0.0	0.0	0.0	0.0	0.0	610000.0	10851000.0
62	29.9	24.0	0.0	0.0	0.0	0.0	0.0	694000.0	16658000.0
63	25.3	21.5	0.0	0.0	0.0	0.0	0.0	792200.0	17069792.0
64	30.4	24.3	0.0	0.0	0.0	0.0	0.0	912000.0	25818992.0
65	30.0	20.7	0.0	0.0	0.0	0.0	0.0	835500.0	17303200.0
66	31.1	15.2	0.0	0.0	0.0	0.0	0.0	1054600.0	17214992.0
67	31.6	22.4	24.5	13.71	-1.7	0.42	0.750	1077000.0	24554000.0
68	33.7	27.3	25.4	13.64	-1.3	0.14	0.750	807000.0	21910992.0
69	33.5	25.3	25.6	13.27	0.2	0.44	0.750	734000.0	18914000.0
70	21.5	11.5	17.2	11.27	-5.7	1.65	0.750	417000.0	4745000.0
71	31.9	15.9	24.2	12.00	-5.3	0.27	0.750	795000.0	15047000.0
72	31.4	24.5	26.5	14.10	-1.0	-0.67	0.750	1015000.0	28904000.0
73	31.4	23.2	22.7	7.75	-1.5	-1.21	0.750	1217000.0	25844992.0
74	35.3	24.6	25.1	8.49	-0.5	-1.32	0.750	1346800.0	33138000.0
75	34.5	23.0	24.5	8.32	-1.5	-1.41	0.750	1388000.0	31900000.0

1967-1976
MEAN ERROR
-1.37
2.48

TABLE 13.— Continued.

(nn) Oklahoma in CRD SC8 to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	JAN	FAC C	FAC F	FAC I	FAC N	CROP	ACREAGE	PRODUCTION
OK	S	FFA	55.	1.00	15.	0.0	1.00	0.0	0.0	23.4	27.5	34.8	0.15	WW	39200.0	419440.0
OK	S	FFA	56.	1.00	15.	0.0	1.00	0.0	0.0	23.4	27.5	34.8	0.15	WW	39200.0	662480.0
OK	S	FFA	57.	1.00	20.	0.0	1.00	0.0	0.0	20.9	27.3	35.4	0.08	WW	39200.0	403760.0
OK	S	FFA	58.	1.00	22.	0.0	1.00	0.0	0.0	22.1	27.3	35.7	0.08	WW	39200.0	768320.0
OK	S	FFA	59.	1.00	22.	0.0	1.00	0.0	0.0	25.4	27.5	33.0	0.17	WW	39200.0	772240.0
OK	S	FFA	60.	1.00	25.	0.0	1.00	0.0	0.0	30.7	27.5	31.7	0.10	WW	39000.0	1095000.0
OK	S	FFA	61.	1.00	27.	0.0	1.00	0.0	0.0	30.1	27.5	31.5	0.12	WW	43600.0	1047000.0
OK	S	FFA	62.	1.00	27.	0.0	1.00	0.0	0.0	26.7	27.5	32.0	0.11	WW	45000.0	754000.0
OK	S	FFA	63.	1.00	31.	0.0	1.00	0.0	0.0	27.5	27.5	33.3	0.12	WW	49000.0	953000.0
OK	S	FFA	64.	1.00	32.	0.0	1.00	0.0	0.0	27.5	27.5	33.3	0.12	WW	49000.0	1362400.0
OK	S	FFA	65.	1.00	34.	0.0	1.00	0.0	0.0	28.6	27.5	33.3	0.12	WW	49000.0	1503000.0
OK	S	FFA	66.	1.00	34.	0.0	1.00	0.0	0.0	28.6	27.5	33.3	0.12	WW	49000.0	1667000.0
OK	S	FFA	67.	1.00	38.	0.0	1.00	0.0	0.0	28.3	27.5	34.4	0.15	WW	59700.0	1437500.0
OK	S	FFA	68.	1.00	38.	0.0	1.00	0.0	0.0	29.7	27.5	33.3	0.10	WW	57800.0	1314100.0
OK	S	FFA	69.	1.00	41.	0.0	1.00	0.0	0.0	29.9	27.5	33.3	0.10	WW	51500.0	1035000.0
OK	S	FFA	70.	1.00	43.	0.0	1.00	0.0	0.0	31.1	27.5	33.3	0.12	WW	49500.0	637000.0
OK	S	FFA	71.	1.00	45.	0.0	1.00	0.0	0.0	28.3	27.5	33.3	0.11	WW	35500.0	812000.0
OK	S	FFA	72.	1.00	46.	0.0	1.00	0.0	0.0	28.3	27.5	33.3	0.11	WW	35500.0	1314100.0
OK	S	FFA	73.	1.00	48.	0.0	1.00	0.0	0.0	31.5	27.5	33.3	0.14	WW	43000.0	1667000.0
OK	S	FFA	74.	1.00	50.	0.0	1.00	0.0	0.0	29.9	27.5	33.3	0.11	WW	82400.0	2234760.0
OK	S	FFA	75.	1.00	50.	0.0	1.00	0.0	0.0	29.9	27.5	33.3	0.11	WW	99400.0	2486000.0
OK	S	FFA	76.	1.00	50.	0.0	1.00	0.0	0.0	27.2	26.5	33.3	0.12	WW	107500.0	2486000.0
OK	UKSC	FFA	54.	0.75	0.	0.0	0.97	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

OKSC

YR	WAC	SRS	F&TY	VAR	ERROR	INTER	SI OPF	ACREAGE	PRODUCTION
55	25.9	10.7	0.0	0.0	0.0	0.0	0.0	39200.0	419440.0
56	29.7	16.4	0.0	0.0	0.0	0.0	0.0	39200.0	662480.0
57	22.5	10.3	0.0	0.0	0.0	0.0	0.0	39200.0	403760.0
58	34.5	19.6	0.0	0.0	0.0	0.0	0.0	39200.0	768320.0
59	31.9	19.7	0.0	0.0	0.0	0.0	0.0	39200.0	772240.0
60	33.9	24.1	0.0	0.0	0.0	0.0	0.0	39000.0	1095000.0
61	24.3	25.2	0.0	0.0	0.0	0.0	0.0	43600.0	1047000.0
62	33.7	24.4	0.0	0.0	0.0	0.0	0.0	45000.0	754000.0
63	33.7	21.5	21.3	15.47	3.1	-4.05	0.750	49000.0	953000.0
64	33.3	25.7	21.4	12.43	5.5	-3.07	0.750	49000.0	1362400.0
65	34.3	24.0	23.4	12.35	3.2	-2.31	0.750	49000.0	1503000.0
66	33.3	20.0	23.4	12.12	3.2	-1.04	0.750	51200.0	1023500.0
67	31.6	14.5	22.7	12.24	3.2	-0.42	0.750	50700.0	1167500.0
68	34.9	21.5	25.1	14.23	3.7	-0.45	0.750	67000.0	1437500.0
69	36.6	26.2	25.5	23.85	1.2	-1.86	0.750	51500.0	1331000.0
70	37.5	27.2	28.2	12.49	1.2	-1.27	0.750	34500.0	1025000.0
71	33.3	20.2	23.4	10.11	1.2	-1.51	0.750	24000.0	547000.0
72	34.4	22.4	22.2	11.02	0.0	-1.98	0.750	25500.0	812000.0
73	34.8	30.6	23.5	9.74	0.0	-2.43	0.750	43000.0	1314100.0
74	34.5	20.1	23.5	12.34	0.0	-2.27	0.750	49000.0	1667000.0
75	36.4	24.7	24.4	14.72	0.0	-2.37	0.750	90440.0	2234760.0
76	35.4	23.1	24.4	12.61	0.0	-2.17	0.750	107500.0	2486000.0

1967-1976
MEAN ERROR
MSE 3.16

TABLE 13.— Continued.

(oo) Texas-Oklahoma Panhandle aggregation to SRS yields

YR	SUS	ESTY	PRORQ	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0
63	10.0	21.4	-2.7	1146000.0	22012052.0
64	21.7	14.4	5.6	1632430.0	34521014.0
65	27.3	22.2	5.1	1775000.0	43210042.0
66	25.5	12.3	6.2	1733600.0	43453206.0
67	17.2	24.7	-7.4	1872000.0	32221376.0
68	20.5	21.7	-0.9	2655000.0	55150000.0
69	25.0	21.2	3.2	2219700.0	55408128.0
70	23.2	22.5	0.7	1875100.0	43544076.0
71	21.6	14.5	2.0	1780500.0	37019000.0
72	22.0	24.3	-1.4	1702200.0	41004520.0
73	29.0	26.8	1.2	3103500.0	65052600.0
74	13.8	20.5	-7.2	2001000.0	35572000.0
75	22.3	22.1	-1.2	4104500.0	60020000.0
76	24.0	22.7	1.3	2072000.0	39762500.0
	1067-1474				
	24.0	22.7	1.3		

TABLE 13.— Continued.

(pp) Texas-Oklahoma Panhandle in CRD NW1 to SRS yields

STATE	CRD	STM	YR	VYA	NT D	NI W	COF	FAL	IFR	VAC C	VAC F	VAC I	VAC N	CROP	ACREAGE	PRODUCTION
OK	NW		60.	1.04	0.	50.	0.44	0.50	0.06	23.4	27.6	34.4	0.15		972000.0	18412992.0
OK	NW		61.	1.04	0.	50.	0.44	0.50	0.06	24.3	28.7	32.6	0.16		974000.0	20762000.0
OK	NW		62.	1.04	0.	50.	0.44	0.50	0.06	16.8	22.9	32.8	0.17		800000.0	10568000.0
OK	NW		63.	1.04	0.	50.	0.44	0.50	0.06	14.5	18.1	31.7	0.17		388000.0	2899000.0
OK	NW	63A	64.	1.05	0.	50.	0.44	0.50	0.06	5.0	14.8	31.1	0.17	WW	614000.0	7817400.0
OK	NW	64A	65.	1.05	4.	52.	0.44	0.47	0.05	12.1	14.7	33.6	0.15	WW	761700.0	13922000.0
OK	NW	64B	66.	1.06	6.	53.	0.51	0.43	0.06	14.0	20.0	27.4	0.17	WW	842000.0	10726100.0
OK	NW	64C	67.	1.06	7.	57.	0.55	0.35	0.10	13.2	19.5	34.1	0.17	WW	641300.0	7138300.0
OK	NW	64D	68.	1.07	9.	58.	0.46	0.45	0.04	15.0	14.3	32.7	0.17	WW	698000.0	8196000.0
OK	NW	64E	69.	1.08	11.	59.	0.55	0.34	0.03	22.3	25.0	29.6	0.17	WW	700000.0	15151000.0
OK	NW	64F	70.	1.09	13.	50.	0.51	0.43	0.06	20.3	24.3	33.4	0.17	WW	663000.0	13065000.0
OK	NW	64G	71.	1.09	14.	60.	0.42	0.50	0.08	16.0	14.2	32.5	0.17	WW	730000.0	12999000.0
OK	NW	64H	72.	1.10	16.	60.	0.50	0.41	0.09	14.9	21.4	35.5	0.17	WW	608000.0	12093000.0
OK	NW	64I	73.	1.12	18.	60.	0.53	0.24	0.09	24.7	32.9	35.5	0.15	WW	1067500.0	25606000.0
OK	NW	64J	74.	1.12	20.	60.	0.66	0.25	0.09	17.0	23.8	33.0	0.17	WW	1136000.0	13197000.0
OK	NW	64K	75.	1.14	20.	60.	0.68	0.21	0.11	17.4	21.9	33.6	0.17	WW	1094000.0	17544000.0
OK	NW	64L	76.	1.14	20.	60.	0.60	0.13	0.13	17.4	22.0	35.4	0.16	WW	747000.0	15350000.0
OK	NW	64M	90.	0.75	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0

OKNW

YR	4AC	SOS	ESTY	VAD	ERR00	INTER	SLOPF	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	27.7	18.9	0.0	0.0	0.0	0.0	0.0	972000.0	18412992.0
61	22.2	21.3	0.0	0.0	0.0	0.0	0.0	974000.0	20762000.0
62	22.2	13.2	0.0	0.0	0.0	0.0	0.0	800000.0	10568000.0
63	14.6	7.5	0.0	0.0	0.0	0.0	0.0	388000.0	2899000.0
64	16.5	12.7	0.0	0.0	0.0	0.0	0.0	614000.0	7817400.0
65	21.7	18.3	0.0	0.0	0.0	0.0	0.0	761700.0	13922000.0
66	20.0	12.4	0.0	0.0	0.0	0.0	0.0	842000.0	10726100.0
67	20.7	11.1	0.0	0.0	0.0	0.0	0.0	641300.0	7138300.0
68	22.3	11.7	14.4	0.0	-3.0	0.0	0.0	698000.0	8196000.0
69	20.1	21.7	19.5	14.22	2.2	-1.42	0.750	700000.0	15151000.0
70	27.8	19.7	18.6	16.30	1.2	-2.31	0.750	663000.0	13065000.0
71	22.1	17.4	14.6	11.12	3.2	-2.03	0.750	730000.0	12999000.0
72	27.3	19.4	15.4	10.06	0.2	-1.07	0.750	608000.0	12093000.0
73	37.8	25.4	27.2	24.83	-1.7	-1.14	0.750	1067500.0	25606000.0
74	25.6	11.6	17.3	5.24	-5.7	-1.90	0.750	1136000.0	13197000.0
75	27.7	15.0	18.2	10.06	-2.1	-2.57	0.750	1094000.0	17544000.0
76	20.2	20.7	14.3	10.30	1.3	-2.61	0.750	747000.0	15350000.0

1967-1976
MEAN ERR00 -0.44
RMSE 2.73

TABLE 13.— Continued.

(qq) Texas-Oklahoma Panhandle in CRD HP1N to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	CON	FAL	YR	WAC C	WAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
TX	HP1N	AML	55	1.033	0.	33.	0.41	0.25	0.34	13.9	14.6	28.8	0.17	WW	618000.0	5968600.0
TX	HP1N	AML	55	1.033	0.	34.	0.41	0.25	0.34	13.9	13.2	31.6	0.17	WW	1054000.0	13150000.0
TX	HP1N	AML	57	1.033	0.	35.	0.37	0.25	0.32	22.4	24.8	35.1	0.16	WW	1277500.0	20058992.0
TX	HP1N	AML	58	1.033	0.	36.	0.41	0.35	0.24	25.6	28.6	30.1	0.15	WW	1986000.0	45962000.0
TX	HP1N	AML	59	1.033	0.	38.	0.43	0.25	0.32	20.0	24.8	33.9	0.17	WW	2085000.0	37226492.0
TX	HP1N	AML	60	1.034	0.	42.	0.41	0.30	0.29	22.8	27.3	33.1	0.15	WW	2210000.0	51182000.0
TX	HP1N	AML	61	1.035	0.	46.	0.44	0.20	0.35	26.1	28.1	28.9	0.15	WW	2209000.0	56076000.0
TX	HP1N	AML	62	1.036	0.	50.	0.36	0.15	0.45	14.0	22.5	33.0	0.17	WW	1522000.0	251106000.0
TX	HP1N	AML	63	1.036	0.	53.	0.25	0.05	0.70	15.2	17.8	28.5	0.17	WW	1050000.0	20780992.0
TX	HP1N	AML	64	1.035	0.	56.	0.36	0.10	0.54	6.7	16.2	24.4	0.17	WW	1564000.0	33842992.0
TX	HP1N	AML	65	1.037	0.	53.	0.35	0.10	0.55	14.4	17.6	34.3	0.17	WW	1700600.0	46768000.0
TX	HP1N	AML	66	1.038	0.	53.	0.37	0.10	0.53	11.7	15.9	36.8	0.17	WW	1714600.0	43405600.0
TX	HP1N	AML	67	1.039	11.	70.	0.37	0.10	0.53	11.2	17.1	33.1	0.17	WW	1789000.0	30547888.0
TX	HP1N	AML	68	1.100	0.	57.	0.36	0.15	0.44	17.8	21.0	32.6	0.17	WW	1858000.0	44550000.0
TX	HP1N	AML	69	1.100	0.	67.	0.42	0.15	0.44	14.8	22.2	26.2	0.17	WW	1442500.0	38268440.0
TX	HP1N	AML	70	1.100	24.	76.	0.45	0.22	0.53	14.5	21.3	33.3	0.17	WW	1143000.0	28546942.0
TX	HP1N	AML	71	1.100	31.	78.	0.37	0.25	0.33	10.0	15.0	31.8	0.17	WW	998000.0	24222000.0
TX	HP1N	AML	72	1.100	15.	80.	0.47	0.15	0.34	17.0	18.0	30.2	0.17	WW	1097000.0	27624000.0
TX	HP1N	AML	73	1.100	36.	80.	0.41	0.10	0.34	27.6	31.6	34.1	0.15	WW	2054000.0	66632000.0
TX	HP1N	AML	74	1.100	34.	80.	0.50	0.09	0.41	10.5	16.4	30.3	0.17	WW	1525000.0	22978000.0
TX	HP1N	AML	75	1.100	10.	80.	0.52	0.09	0.39	20.6	24.0	32.7	0.17	WW	2720000.0	70302992.0
TX	HP1N	AML	76	1.100	15.	80.	0.56	0.06	0.33	15.6	22.4	35.0	0.17	WW	1630000.0	48056000.0
TX	HP1N	AML	99	0.75	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

TX1N

YR	WAC	SPS	FSTY	VAR	ERROR	INTERP	SLOPF	ACREAGE	PRODUCTION
55	22.3	9.7	0.0	0.0	0.0	0.0	0.0	618000.0	5968600.0
56	10.9	12.5	0.0	0.0	0.0	0.0	0.0	1054000.0	13150000.0
57	30.9	15.7	0.0	0.0	0.0	0.0	0.0	1277500.0	20058992.0
58	20.9	23.1	0.0	0.0	0.0	0.0	0.0	1986000.0	45962000.0
59	28.5	17.9	0.0	0.0	0.0	0.0	0.0	2085000.0	37226492.0
60	30.1	23.2	0.0	0.0	0.0	0.0	0.0	2210000.0	51182000.0
61	31.5	25.4	0.0	0.0	0.0	0.0	0.0	2209000.0	56076000.0
62	30.5	15.5	0.0	0.0	0.0	0.0	0.0	1522000.0	251106000.0
63	32.0	19.1	21.5	20.68	-2.4	-3.10	0.750	1090000.0	20780992.0
64	26.0	21.4	16.6	17.39	5.1	-2.91	0.750	1564000.0	33842992.0
65	32.8	27.5	22.2	24.70	5.3	-2.34	0.750	1700600.0	46768000.0
66	26.9	25.5	10.1	23.35	6.4	-1.04	0.750	1714600.0	43405600.0
67	33.3	17.2	24.5	29.76	-7.4	-0.46	0.750	1789000.0	30547888.0
68	33.3	24.0	24.0	35.35	-10.0	-0.99	0.750	1858000.0	44550000.0
69	31.6	26.5	21.8	30.31	4.8	-1.19	0.750	1442500.0	38268440.0
70	34.1	25.0	24.6	33.63	0.4	-0.96	0.750	1143000.0	28546942.0
71	30.0	24.3	23.1	24.78	-1.2	-0.11	0.750	998000.0	24222000.0
72	30.3	25.2	25.7	20.78	-0.5	0.72	0.750	1097000.0	27624000.0
73	40.8	32.4	31.1	56.50	1.4	0.47	0.750	2054000.0	66632000.0
74	31.3	16.1	23.8	18.48	-1.7	0.33	0.750	1525000.0	22978000.0
75	35.2	25.3	25.6	23.47	0.0	-1.30	0.750	2720000.0	70302992.0
76	33.1	26.3	24.4	14.71	1.9	-0.47	0.750	1630000.0	48056000.0

1967-1976
MEAN ERROR -0.62
RMSE 4.02

TABLE 13.—Continued.

(rr) Texas-Oklahoma Panhandle in CRD HP1S to SRS yields

STATE	CRD	STN	YR	VYA	NI D	NI W	COE	FAL	THR	WAC C	WAC F	WAC I	WAC L	CROP	ACREAGE	PRODUCTION
TX	HP1S	55.	1.03	0.0	32.	0.43	0.25	0.32	8.5	11.9	29.1	0.17	WW	20000.0	257200.0	
TX	HP1S	56.	1.03	0.0	34.	0.40	0.22	0.34	4.4	13.0	34.1	0.17	WW	51200.0	680160.0	
TX	HP1S	57.	1.03	0.0	35.	0.42	0.13	0.49	11.7	12.3	34.9	0.17	WW	39000.0	722000.0	
TX	HP1S	58.	1.03	0.0	36.	0.55	0.20	0.24	23.3	23.0	31.0	0.15	WW	58000.0	1312200.0	
TX	HP1S	59.	1.03	0.0	38.	0.60	0.36	0.10	11.7	14.6	32.3	0.17	WW	68050.0	1180350.0	
TX	HP1S	60.	1.03	0.0	40.	0.43	0.15	0.41	15.7	15.5	34.7	0.17	WW	72000.0	1517000.0	
TX	HP1S	61.	1.04	0.0	42.	0.41	0.15	0.44	15.9	17.0	32.9	0.15	WW	74000.0	2188000.0	
TX	HP1S	62.	1.04	0.0	45.	0.40	0.05	0.55	12.8	17.1	28.4	0.17	WW	60000.0	1345000.0	
TX	HP1S	63.	1.05	0.0	50.	0.35	0.08	0.57	3.5	14.3	34.2	0.17	WW	74000.0	1302000.0	
TX	HP1S	64.	1.05	0.0	52.	0.39	0.22	0.39	4.4	8.1	34.2	0.17	WW	75430.0	1679000.0	
TX	HP1S	65.	1.05	0.0	48.	0.36	0.12	0.52	5.9	7.4	34.2	0.17	WW	75000.0	1643000.0	
TX	HP1S	66.	1.07	0.0	57.	0.34	0.13	0.49	6.5	6.2	32.6	0.17	WW	69000.0	1657700.0	
TX	HP1S	67.	1.08	0.0	70.	0.34	0.13	0.53	8.5	10.4	34.0	0.17	WW	83000.0	1549500.0	
TX	HP1S	68.	1.09	0.0	64.	0.41	0.15	0.44	22.5	23.7	33.7	0.16	WW	100000.0	2410000.0	
TX	HP1S	69.	1.10	0.0	66.	0.41	0.15	0.44	14.3	21.0	34.4	0.17	WW	77100.0	2068650.0	
TX	HP1S	70.	1.10	24.	76.	0.42	0.14	0.34	10.0	10.3	34.7	0.16	WW	69100.0	1883000.0	
TX	HP1S	71.	1.10	32.	74.	0.42	0.22	0.35	11.5	4.1	33.3	0.17	WW	31500.0	698000.0	
TX	HP1S	72.	1.10	27.	80.	0.45	0.20	0.21	13.1	14.1	34.3	0.17	WW	87800.0	1330000.0	
TX	HP1S	73.	1.10	27.	80.	0.55	0.13	0.30	20.9	21.5	35.4	0.16	WW	132000.0	3015000.0	
TX	HP1S	74.	1.10	39.	50.	0.54	0.12	0.34	4.2	13.7	34.0	0.17	WW	140000.0	2400000.0	
TX	HP1S	75.	1.10	10.	80.	0.55	0.07	0.00	24.9	23.5	34.6	0.16	WW	340000.0	7436000.0	
TX	HP1S	76.	1.10	15.	80.	0.53	0.07	0.31	15.8	22.0	32.9	0.17	WW	295000.0	5353000.0	
TX	HP1S	94.	1.75	0.0	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0	

TX15

YR	WAC	SRS	ESTY	VAR	EPR	INTFR	SLOPF	ACRFAGE	PRODUCTION
55	14.3	13.9	0.0	0.0	0.0	0.0	0.0	20000.0	257200.0
56	20.8	13.3	0.0	0.0	0.0	0.0	0.0	51200.0	680160.0
57	26.8	18.5	0.0	0.0	0.0	0.0	0.0	39000.0	722000.0
58	27.2	22.6	0.0	0.0	0.0	0.0	0.0	58000.0	1312200.0
59	17.7	17.3	0.0	0.0	0.0	0.0	0.0	68050.0	1180350.0
60	26.1	21.1	0.0	0.0	0.0	0.0	0.0	72000.0	1517000.0
61	27.4	27.7	0.0	0.0	0.0	0.0	0.0	74000.0	2188000.0
62	26.9	22.4	0.0	0.0	0.0	0.0	0.0	60000.0	1345000.0
63	20.6	17.5	23.4	15.07	1.4	1.45	0.750	74000.0	1302000.0
64	20.5	22.3	17.8	19.85	4.4	0.45	0.750	75430.0	1679000.0
65	26.5	21.0	21.8	19.10	0.0	1.92	0.750	75000.0	1643000.0
66	26.9	24.0	22.6	15.51	1.1	2.34	0.750	69000.0	1657700.0
67	33.1	24.7	27.4	22.24	1.3	1.58	0.750	83000.0	1549500.0
68	35.0	24.1	27.4	44.24	1.3	1.58	0.750	100000.0	2410000.0
69	34.3	26.2	26.4	34.07	0.0	0.66	0.750	77100.0	2068650.0
70	24.3	27.3	25.5	22.53	1.1	0.10	0.750	69100.0	1883000.0
71	26.8	22.2	22.4	10.57	1.0	0.10	0.750	31500.0	698000.0
72	26.7	15.1	21.7	16.51	1.3	0.60	0.750	87800.0	1330000.0
73	35.7	26.2	26.2	17.82	1.3	0.60	0.750	132000.0	3015000.0
74	27.6	17.1	19.3	17.34	1.3	0.34	0.750	140000.0	2400000.0
75	34.7	21.4	22.7	11.33	1.1	0.25	0.750	340000.0	7436000.0
76	30.5	18.2	20.8	7.76	1.0	0.01	0.750	295000.0	5353000.0

1967-1974
MEAN EPR 2.57
VAR 3.45

TABLE 13.— Continued.

(ss) Texas aggregation to SRS yields

TY	SPS	FSTY.	FURD	ACREAGE	PRODUCTION
55	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0
63	18.2	15.0	2.2	1224000.0	2236442.0
64	15.4	17.5	1.4	1404200.0	2745484.0
65	17.0	14.5	2.5	1620000.0	2745200.0
66	19.2	15.4	3.1	1335000.0	2539624.0
67	14.5	15.5	-2.1	1454500.0	1260132.0
68	10.0	21.0	-2.0	1552000.0	3293094.0
69	21.5	22.1	-0.5	1219100.0	2624144.0
70	22.7	23.2	-1.1	916500.0	2079502.0
71	13.7	14.0	-1.3	437600.0	804300.0
72	12.7	12.5	-1.3	712000.0	1321500.0
73	24.0	24.1	-0.2	1413300.0	2521114.0
74	17.1	17.4	-0.3	1375000.0	2227002.0
75	20.1	22.7	-2.5	2240000.0	4400000.0
76	14.0	17.1	1.7	2300000.0	4420000.0
1967-1976					
MEAN FURD			-1.26		
MEAN SPS			2.22		

TABLE 13.- Continued.

(tt) Texas in CRD RP2N to SRS yields

STATE	CRD	STN	YR	VYA	NT D	MI W	CON	FAL	W R	AC C	AC F	WAC I	WAC N	CROP	ACRFAGF	PRODUCTION
TX	RP2N	WFA	55	1.03	4	50	0.83	0.15	0.02	9.7	14.4	30.8	0.17	WW	290000.0	2512850.0
TX	RP2N	WFA	56	1.03	4	52	0.83	0.15	0.02	10.4	14.0	33.1	0.17	WW	350000.0	4670000.0
TX	RP2N	WFA	57	1.03	4	54	0.83	0.15	0.02	17.4	14.7	35.4	0.15	WW	340000.0	4590000.0
TX	RP2N	WFA	58	1.03	10	55	0.83	0.15	0.02	27.9	28.5	31.8	0.12	WW	340000.0	8054200.0
TX	RP2N	WFA	59	1.03	12	54	0.83	0.15	0.02	17.5	21.7	34.0	0.17	WW	280000.0	3531100.0
TX	RP2N	WFA	60	1.03	15	59	0.83	0.15	0.02	22.7	24.4	34.5	0.15	WW	393000.0	8700000.0
TX	RP2N	WFA	61	1.04	17	60	0.83	0.15	0.02	23.3	24.0	32.3	0.14	WW	427000.0	9437000.0
TX	RP2N	WFA	62	1.04	20	60	0.83	0.15	0.02	17.0	21.9	32.7	0.17	WW	310000.0	4214900.0
TX	RP2N	WFA	63	1.05	25	64	0.83	0.15	0.02	15.5	19.1	30.8	0.17	WW	358000.0	6001000.0
TX	RP2N	WFA	64	1.05	20	65	0.83	0.15	0.02	10.0	15.4	32.2	0.17	WW	413650.0	6574100.0
TX	RP2N	WFA	65	1.06	24	65	0.83	0.15	0.02	13.9	16.1	34.0	0.17	WW	470000.0	8308000.0
TX	RP2N	WFA	66	1.07	27	67	0.83	0.15	0.02	14.3	17.3	32.7	0.17	WW	394400.0	6965400.0
TX	RP2N	WFA	67	1.08	42	70	0.83	0.15	0.02	11.1	14.4	34.2	0.17	WW	443000.0	6234500.0
TX	RP2N	WFA	68	1.09	24	72	0.83	0.15	0.02	21.3	24.5	33.3	0.14	WW	531000.0	10700000.0
TX	RP2N	WFA	69	1.10	27	74	0.83	0.13	0.03	22.7	23.1	27.0	0.15	WW	388400.0	8677200.0
TX	RP2N	WFA	70	1.10	41	75	0.83	0.14	0.04	20.8	21.2	34.5	0.16	WW	311500.0	7217000.0
TX	RP2N	WFA	71	1.10	47	75	0.83	0.14	0.04	10.8	12.0	32.9	0.17	WW	146000.0	1614000.0
TX	RP2N	WFA	72	1.10	37	80	0.83	0.09	0.02	18.5	19.0	35.3	0.17	WW	292300.0	5083000.0
TX	RP2N	WFA	73	1.10	42	80	0.83	0.06	0.02	25.1	22.5	35.4	0.12	WW	331200.0	8037000.0
TX	RP2N	WFA	74	1.10	57	80	0.83	0.06	0.03	22.1	21.3	32.4	0.17	WW	480000.0	7213000.0
TX	RP2N	WFA	75	1.10	25	80	0.83	0.04	0.03	25.9	27.0	33.6	0.15	WW	700000.0	16621000.0
TX	RP2N	WFA	76	1.10	25	80	0.83	0.04	0.03	18.0	25.2	33.3	0.15	WW	640000.0	12544000.0
TX	RP2N	WFA	99	1.75	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	WW	0.0	0.0

TX2N

YR	AC	SRS	FSTY	VAR	ERROR	INTER	SLOPE	ACRFAGF	PRODUCTION
55	12.1	8.7	0.0	0.0	0.0	0.0	0.0	290000.0	2512850.0
56	12.0	13.3	0.0	0.0	0.0	0.0	0.0	350000.0	4670000.0
57	10.9	13.5	0.0	0.0	0.0	0.0	0.0	340000.0	4590000.0
58	30.3	21.2	0.0	0.0	0.0	0.0	0.0	340000.0	8054200.0
59	21.4	12.6	0.0	0.0	0.0	0.0	0.0	280000.0	3531100.0
60	26.3	22.2	0.0	0.0	0.0	0.0	0.0	393000.0	8700000.0
61	27.1	22.1	0.0	0.0	0.0	0.0	0.0	427000.0	9437000.0
62	22.4	13.0	0.0	0.0	0.0	0.0	0.0	310000.0	4214900.0
63	22.6	16.5	14.7	7.05	0.0	-0.25	0.750	358000.0	6001000.0
64	17.8	15.4	13.1	0.97	2.3	-0.24	0.750	413650.0	6574100.0
65	20.3	17.7	14.6	7.37	3.1	-0.38	0.750	470000.0	8308000.0
66	21.3	17.7	16.1	8.00	1.5	-0.13	0.750	394400.0	6965400.0
67	20.8	14.1	12.2	7.73	-2.1	0.53	0.750	443000.0	6234500.0
68	30.3	20.3	23.5	1.06	-3.3	0.76	0.750	531000.0	10700000.0
69	30.4	22.3	22.9	0.63	-0.3	0.15	0.750	388400.0	8677200.0
70	30.5	23.2	22.5	0.07	-1.4	-0.13	0.750	311500.0	7217000.0
71	22.1	11.4	14.0	4.20	-3.2	-0.30	0.750	146000.0	1614000.0
72	27.5	20.7	20.3	0.71	-0.3	-0.36	0.750	292300.0	5083000.0
73	35.4	24.3	25.6	13.03	-1.2	-1.10	0.750	331200.0	8037000.0
74	22.1	15.1	16.0	5.53	-1.2	-1.72	0.750	480000.0	7213000.0
75	24.2	21.9	22.6	4.52	-0.7	-2.12	0.750	700000.0	16621000.0
76	25.3	18.2	15.0	4.30	-1.6	-2.40	0.750	640000.0	12544000.0

1067-1075
MEAN ERROR
RMSE -1.55
2.55

TABLE 13.- Continued.

(uu) Texas in CRD RP2S to SRS yields

STATE	CRD	STN	YH	VYA	NI D	NI W	CON	FAL	W	AC	C	AC	F	AC	I	AC	N	CROP	ACREAGE	PRODUCTION
TX	RP2S	APL	55.	1.03	4.	52.	0.73	0.25	0.02	12.	7	16.	4	21.	1	0.16	WW	200000.0	1710000.0	
TX	RP2S	APL	55.	1.03	6.	52.	0.73	0.25	0.02	14.	7	17.	2	31.	1	0.17	WW	219000.0	1993900.0	
TX	RP2S	APL	57.	1.03	10.	54.	0.73	0.25	0.02	12.	5	12.	5	34.	2	0.14	WW	223000.0	2440000.0	
TX	RP2S	APL	57.	1.03	10.	54.	0.73	0.25	0.02	24.	1	27.	6	32.	2	0.10	WW	323000.0	6251300.0	
TX	RP2S	APL	59.	1.03	12.	52.	0.73	0.25	0.02	20.	1	20.	5	32.	2	0.17	WW	245000.0	3982200.0	
TX	RP2S	APL	60.	1.03	15.	59.	0.73	0.25	0.02	24.	5	23.	5	33.	2	0.15	WW	254000.0	5723000.0	
TX	RP2S	APL	61.	1.04	17.	60.	0.73	0.25	0.02	22.	4	21.	4	33.	1	0.12	WW	351400.0	6521000.0	
TX	RP2S	APL	62.	1.04	21.	52.	0.73	0.25	0.02	22.	2	21.	3	33.	3	0.17	WW	280000.0	4398000.0	
TX	RP2S	APL	63.	1.05	25.	64.	0.73	0.25	0.02	17.	1	15.	0	37.	7	0.17	WW	318000.0	5720000.0	
TX	RP2S	APL	64.	1.06	26.	66.	0.73	0.25	0.02	17.	2	16.	7	22.	9	0.15	WW	405100.0	7081200.0	
TX	RP2S	APL	65.	1.06	24.	66.	0.73	0.25	0.02	15.	0	17.	1	34.	4	0.15	WW	440000.0	6939000.0	
TX	RP2S	APL	65.	1.07	22.	64.	0.73	0.25	0.02	16.	4	17.	0	35.	0	0.16	WW	346500.0	6171900.0	
TX	RP2S	APL	67.	1.08	42.	69.	0.73	0.25	0.02	11.	2	12.	5	33.	7	0.17	WW	245000.0	3020700.0	
TX	RP2S	APL	68.	1.09	22.	72.	0.73	0.25	0.02	27.	2	25.	2	33.	2	0.09	WW	514000.0	1040000.0	
TX	RP2S	APL	69.	1.10	22.	74.	0.73	0.25	0.02	25.	3	25.	2	34.	7	0.14	WW	364200.0	7029000.0	
TX	RP2S	APL	70.	1.10	41.	75.	0.76	0.23	0.02	25.	1	25.	0	33.	5	0.14	WW	266600.0	5694000.0	
TX	RP2S	APL	71.	1.10	47.	78.	0.95	0.10	0.05	13.	5	15.	5	32.	1	0.17	WW	480000.0	774000.0	
TX	RP2S	APL	72.	1.10	46.	80.	0.95	0.12	0.04	20.	1	19.	7	35.	0	0.17	WW	207000.0	3588000.0	
TX	RP2S	APL	73.	1.10	42.	80.	0.95	0.08	0.03	27.	0	27.	6	34.	3	0.10	WW	329300.0	7728000.0	
TX	RP2S	APL	74.	1.10	52.	80.	0.91	0.05	0.03	11.	7	21.	5	24.	5	0.17	WW	330000.0	4629000.0	
TX	RP2S	APL	75.	1.10	25.	80.	0.95	0.07	0.03	28.	5	28.	5	32.	2	0.13	WW	730000.0	13062000.0	
TX	RP2S	APL	76.	1.10	25.	80.	0.95	0.04	0.04	14.	5	23.	8	30.	2	0.15	WW	660000.0	10665000.0	
TX	RP2S	APL	94.	0.75	0.	0.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	

TX2S

YD	WAC	STY	VAR	ENOC	INTER	SLOPE	ACREAGE	PRODUCTION
55	15.3	8.5	0.0	0.0	0.0	0.0	200000.0	1710000.0
56	17.0	9.1	0.0	0.0	0.0	0.0	219000.0	1993900.0
57	14.7	13.4	0.0	0.0	0.0	0.0	223000.0	2440000.0
58	20.4	13.4	0.0	0.0	0.0	0.0	323000.0	6251300.0
59	27.3	13.5	0.0	0.0	0.0	0.0	245000.0	3982200.0
60	27.8	19.1	0.0	0.0	0.0	0.0	354000.0	5723000.0
61	25.4	17.1	0.0	0.0	0.0	0.0	314000.0	6521000.0
62	26.6	15.7	0.0	0.0	0.0	0.0	280000.0	4398000.0
63	23.1	15.0	14.8	3.63	-2.50	0.750	314000.0	5720000.0
64	23.0	17.4	15.7	7.07	-2.55	0.750	405100.0	7081200.0
65	21.0	17.2	15.7	7.07	-2.55	0.750	440000.0	6939000.0
66	21.1	17.2	15.3	3.6	-2.55	0.750	346500.0	6171900.0
67	21.1	10.3	14.3	8.2	-2.33	0.750	245000.0	3020700.0
68	22.3	20.2	22.5	14.5	-2.33	0.750	514000.0	1040000.0
69	22.0	22.2	22.1	15.3	-2.33	0.750	364200.0	7029000.0
70	25.4	22.1	24.6	17.4	-2.33	0.750	266600.0	5694000.0
71	25.2	17.3	14.7	11.0	-2.33	0.750	480000.0	774000.0
72	25.5	17.5	15.1	11.4	-2.33	0.750	207000.0	3588000.0
73	26.3	23.5	22.2	15.2	-2.33	0.750	329300.0	7728000.0
74	24.0	13.5	11.0	11.0	-2.33	0.750	330000.0	4629000.0
75	25.1	17.9	21.3	15.1	-2.33	0.750	730000.0	13062000.0
76	27.1	16.2	14.2	7.2	-2.33	0.750	660000.0	10665000.0

1967-1976
MEAN ENOC 3.20

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OF POOR QUALITY

TABLE 13.— Continued.

(vv) Texas in CRD CW03 to SRS yields

STATE	CRD	STIL	YR	VYA	NI D	MI W	CON	FAL	IKR	VAC C	VAC F	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
TX	CW03	DAL	55.	1.03	4.	50.	0.98	0.00	0.02	14.2	26.5	20.1	0.15	WW	140000.0	987900.0
TX	CW03	DAL	55.	1.03	5.	52.	0.98	0.00	0.02	21.3	21.0	20.1	0.17	WW	174000.0	1662900.0
TX	CW03	DAL	57.	1.03	10.	54.	0.98	0.00	0.02	14.3	13.3	20.1	0.09	WW	155500.0	1867000.0
TX	CW03	DAL	57.	1.03	10.	54.	0.98	0.00	0.02	30.9	24.4	20.1	0.06	WW	180000.0	2982490.0
TX	CW03	DAL	59.	1.03	12.	54.	0.98	0.00	0.02	24.5	22.4	20.1	0.16	WW	157000.0	1930290.0
TX	CW03	DAL	59.	1.04	15.	50.	0.98	0.00	0.02	29.5	24.4	20.1	0.13	WW	187000.0	3027000.0
TX	CW03	DAL	61.	1.05	17.	50.	0.98	0.00	0.02	27.4	27.5	20.1	0.11	WW	197000.0	3329000.0
TX	CW03	DAL	62.	1.06	20.	52.	0.98	0.00	0.02	27.3	27.1	20.1	0.14	WW	155000.0	2459000.0
TX	CW03	DAL	63.	1.06	25.	54.	0.98	0.00	0.02	22.5	21.5	20.1	0.16	WW	180000.0	3247000.0
TX	CW03	DAL	64.	1.06	26.	55.	0.98	0.00	0.02	22.5	21.1	20.1	0.13	WW	214530.0	4203000.0
TX	CW03	DAL	65.	1.07	26.	55.	0.98	0.00	0.02	21.5	20.5	20.1	0.13	WW	240000.0	3907000.0
TX	CW03	DAL	65.	1.07	26.	55.	0.98	0.00	0.02	21.0	21.1	20.1	0.13	WW	200100.0	3471500.0
TX	CW03	DAL	67.	1.09	42.	70.	0.98	0.00	0.02	15.6	15.9	20.1	0.17	WW	200000.0	3394400.0
TX	CW03	DAL	68.	1.10	27.	72.	0.97	0.00	0.03	24.5	22.4	20.1	0.06	WW	268000.0	5967000.0
TX	CW03	DAL	68.	1.10	27.	74.	0.97	0.00	0.03	27.4	27.5	20.1	0.11	WW	203500.0	4760300.0
TX	CW03	DAL	70.	1.10	41.	76.	0.98	0.00	0.02	34.5	31.1	20.1	0.11	WW	147400.0	3318000.0
TX	CW03	DAL	71.	1.10	47.	79.	0.98	0.00	0.02	17.1	17.2	20.1	0.17	WW	83500.0	1008000.0
TX	CW03	DAL	72.	1.10	37.	79.	0.97	0.00	0.03	23.1	21.5	20.1	0.14	WW	109700.0	2013000.0
TX	CW03	DAL	73.	1.10	42.	80.	0.98	0.00	0.03	20.0	20.0	20.1	0.06	WW	156800.0	4112000.0
TX	CW03	DAL	74.	1.10	52.	80.	0.97	0.00	0.03	20.0	20.0	20.1	0.16	WW	280000.0	5674000.0
TX	CW03	DAL	75.	1.10	22.	80.	0.97	0.00	0.03	22.4	22.4	20.1	0.13	WW	350000.0	6954000.0
TX	CW03	DAL	76.	1.10	25.	80.	0.94	0.00	0.01	23.0	23.5	20.1	0.19	WW	315000.0	5404000.0
TX	CW03	DAL	94.	0.75	0.	0.	0.00	0.00	0.00	0.0	0.0	0.0	0.0	WW	0.0	0.0

TXC3

YD	WAC	SPS	FSTY	VAC	EXC	INTER	SLOPE	ACREAGE	PRODUCTION
55	19.8	7.1	0.0	0.0	0.0	0.0	0.0	140000.0	987900.0
56	22.4	9.6	0.0	0.0	0.0	0.0	0.0	174000.0	1662900.0
57	16.0	12.0	0.0	0.0	0.0	0.0	0.0	155500.0	1867000.0
58	32.5	16.5	0.0	0.0	0.0	0.0	0.0	180000.0	2982490.0
59	27.7	12.3	0.0	0.0	0.0	0.0	0.0	157000.0	1930290.0
60	33.0	21.0	0.0	0.0	0.0	0.0	0.0	187000.0	3027000.0
61	31.0	15.4	0.0	0.0	0.0	0.0	0.0	197000.0	3329000.0
62	32.2	15.0	0.0	0.0	0.0	0.0	0.0	155000.0	2459000.0
63	28.1	14.7	14.7	10.51	0.0	0.0	0.0	180000.0	3247000.0
64	30.3	14.0	17.0	11.67	0.0	0.750	0.0	214530.0	4203000.0
65	26.6	16.3	14.0	11.40	0.0	0.750	0.0	240000.0	3907000.0
66	27.0	17.3	14.7	9.44	0.0	0.750	0.0	200000.0	3671500.0
67	25.4	12.0	14.4	4.14	0.0	0.750	0.0	200000.0	2394400.0
68	33.1	22.0	20.0	7.77	0.0	0.750	0.0	268000.0	5967000.0
69	34.0	23.4	20.0	9.30	0.0	0.750	0.0	203500.0	4760300.0
70	37.6	22.5	20.0	13.34	0.0	0.750	0.0	147400.0	3318000.0
71	25.3	12.1	17.4	4.50	0.0	0.750	0.0	83500.0	1008000.0
72	35.8	18.4	15.0	5.22	0.0	0.750	0.0	109700.0	2013000.0
73	37.2	25.0	15.0	8.61	0.0	0.750	0.0	156800.0	4112000.0
74	31.8	20.3	14.0	6.14	0.0	0.750	0.0	280000.0	5674000.0
75	35.9	19.0	22.0	6.72	0.0	0.750	0.0	350000.0	6954000.0
76	29.8	17.2	17.7	6.84	0.0	0.750	0.0	315000.0	5404000.0

1467-1476
MEAN ERROR -0.41
RMSF 2.52

TABLE 13.- Concluded.

(ww) Texas in CRD CW04 to SRS yields .

STATF	CRD	STN	YR	VYA	NT D	NI	CON	FAL	IFR	WAC C	WAC T	WAC I	WAC N	CROP	ACREAGE	PRODUCTION
TX	CCW04	WAC	55	11	10	0	0	0	0	22	22	32	0	WW	220000.0	2754020.0
TX	CCW04	WAC	56	11	10	0	0	0	0	24	24	32	0	WW	251000.0	4151000.0
TX	CCW04	WAC	57	11	10	0	0	0	0	26	26	32	0	WW	269000.0	3222000.0
TX	CCW04	WAC	58	11	10	0	0	0	0	26	26	32	0	WW	269000.0	4048680.0
TX	CCW04	WAC	59	11	10	0	0	0	0	26	26	32	0	WW	269000.0	6449000.0
TX	CCW04	WAC	60	11	10	0	0	0	0	26	26	32	0	WW	269000.0	5090000.0
TX	CCW04	WAC	61	11	10	0	0	0	0	26	26	32	0	WW	316000.0	5090000.0
TX	CCW04	WAC	62	11	10	0	0	0	0	26	26	32	0	WW	316000.0	6223000.0
TX	CCW04	WAC	63	11	10	0	0	0	0	26	26	32	0	WW	316000.0	5476000.0
TX	CCW04	WAC	64	11	10	0	0	0	0	26	26	32	0	WW	316000.0	6223000.0
TX	CCW04	WAC	65	11	10	0	0	0	0	26	26	32	0	WW	316000.0	5476000.0
TX	CCW04	WAC	66	11	10	0	0	0	0	26	26	32	0	WW	316000.0	6223000.0
TX	CCW04	WAC	67	11	10	0	0	0	0	26	26	32	0	WW	316000.0	5476000.0
TX	CCW04	WAC	68	11	10	0	0	0	0	26	26	32	0	WW	316000.0	6223000.0
TX	CCW04	WAC	69	11	10	0	0	0	0	26	26	32	0	WW	316000.0	5476000.0
TX	CCW04	WAC	70	11	10	0	0	0	0	26	26	32	0	WW	316000.0	6223000.0
TX	CCW04	WAC	71	11	10	0	0	0	0	26	26	32	0	WW	316000.0	5476000.0
TX	CCW04	WAC	72	11	10	0	0	0	0	26	26	32	0	WW	316000.0	6223000.0
TX	CCW04	WAC	73	11	10	0	0	0	0	26	26	32	0	WW	316000.0	5476000.0
TX	CCW04	WAC	74	11	10	0	0	0	0	26	26	32	0	WW	316000.0	6223000.0
TX	CCW04	WAC	75	11	10	0	0	0	0	26	26	32	0	WW	316000.0	5476000.0
TX	CCW04	WAC	76	11	10	0	0	0	0	26	26	32	0	WW	316000.0	6223000.0
TX	CCW04	WAC	96	11	10	0	0	0	0	26	26	32	0	WW	635000.0	14751000.0

TXC4

YR	WAC	STN	FASTY	VAR	ERROR	INTER	SLOPF	ACREAGE	PRODUCTION
55	11	10	0	0	0	0	0	220000.0	2754020.0
56	11	10	0	0	0	0	0	251000.0	4151000.0
57	11	10	0	0	0	0	0	269000.0	3222000.0
58	11	10	0	0	0	0	0	269000.0	4048680.0
59	11	10	0	0	0	0	0	269000.0	6449000.0
60	11	10	0	0	0	0	0	269000.0	5090000.0
61	11	10	0	0	0	0	0	316000.0	5090000.0
62	11	10	0	0	0	0	0	316000.0	6223000.0
63	11	10	0	0	0	0	0	316000.0	5476000.0
64	11	10	0	0	0	0	0	316000.0	6223000.0
65	11	10	0	0	0	0	0	316000.0	5476000.0
66	11	10	0	0	0	0	0	316000.0	6223000.0
67	11	10	0	0	0	0	0	316000.0	5476000.0
68	11	10	0	0	0	0	0	316000.0	6223000.0
69	11	10	0	0	0	0	0	316000.0	5476000.0
70	11	10	0	0	0	0	0	316000.0	6223000.0
71	11	10	0	0	0	0	0	316000.0	5476000.0
72	11	10	0	0	0	0	0	316000.0	6223000.0
73	11	10	0	0	0	0	0	316000.0	5476000.0
74	11	10	0	0	0	0	0	316000.0	6223000.0
75	11	10	0	0	0	0	0	316000.0	5476000.0
76	11	10	0	0	0	0	0	316000.0	6223000.0
96	11	10	0	0	0	0	0	635000.0	14751000.0

1967-1974
 NFAZ ERROR
 1.06
 10.53
 2.46

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