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Budgets for Major Crop Enterprises in South Dakota

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Budgets for Major Crop Enterprises in South Dakota

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Research to develop the computerized program for a crop enterprise data bank was conducted under State Project 674.

Budgets for Major Crop Enterprises in South Dakota

C 226

INTRODUCTION

Budgets in this publication reflect average yields and production costs for individual areas of the state. Yields are based on ASCS 1976 projected yields for wheat, corn, barley and sorghum. Yields for other crops are based on estimates by Extension agronomists and Farm Management Specialists. The budgets are intended to serve as planning guides for farmers, ranchers, teachers, extension personnel and other individuals or groups who may have use for such information.

No single budget can reflect the private situation of all individual producers. There are differences in rate of fertilizer use, weed and pest control practices and machine operations performed. These are just a few of the variables involved. Price of product as well as price of inputs is perhaps the single most important variable affecting return above cost for forward planning purposes. Therefore, provision is made for revision of the budgets according to need. Budgets in this publication may be revised or updated in several ways:

1. By use of a computer terminal.
2. By manual calculations under the column headed "your estimate" on each budget page. Individuals may find this to be the quickest and easiest way to revise a single budget.
3. By changing prices stored in the data bank price file and calling for a computer revision of all budgets under a new set of prices.

It should be noted that each enterprise has budget data presented on the front and back side of a single page. The front side contains a summary of the costs and returns as well as resource requirements. The back side of each budget page contains basic data on file in the computer data bank from which calculations are made to determine the costs and returns as presented on the front side of the page.

Method and Procedure

The physical quantity of each input factor has been determined for each crop by area of the state. A map of the crop production areas is presented on page 3. The prices and quantities of the various input factors are identified in the budget printout. However, it should be noted that the price given for many of the chemicals is the price (cost) per acre. The quantity is the portion of an acre that is assumed to be treated with the chemical. Such prices (or costs) are included in the price list as given on page 9 of this report. This method permits an updating of the crop budgets periodically by revising the price data file for input and output factors.

Seed costs for small grain and flax are based on the recommendation that certified seed be planted on one-half of the acreage every third year to provide good quality seed for all the acreage for 2 years and one-half the acreage the third year.

Corn seed requirements are based on a mortality rate of 15 percent. Quantity of seed is given in thousands of viable kernels (MVK) required to obtain the desired final corn plant population.

Alfalfa establishment costs are determined by the life of the stand. A seeding rate of 6 lbs. per acre was assumed. Therefore, a seeding with a stand life of 3 years will require 2 lbs. of seed per year. Other costs of establishment were prorated through the stand life period in a similar manner. The seeding rates for crops by area of the state are presented in Table 1.

Fertilizer requirements are presented in each budget printout as pounds per acre of nitrogen, phosphate and potash.

Herbicide costs for annual weed control are based upon average application rates in South Dakota. Data on herbicide use are presented in Table 2.

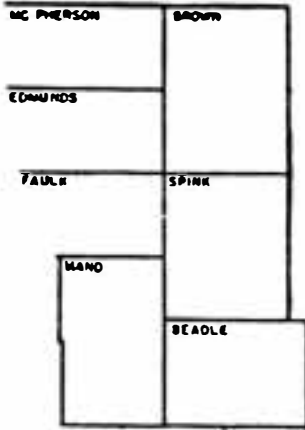
Insecticide application is also based upon average application practices in South Dakota. Cost of insecticide use in the crop budgets is based upon data presented in Table 3.

MAP OF CROP PRODUCTION AREAS

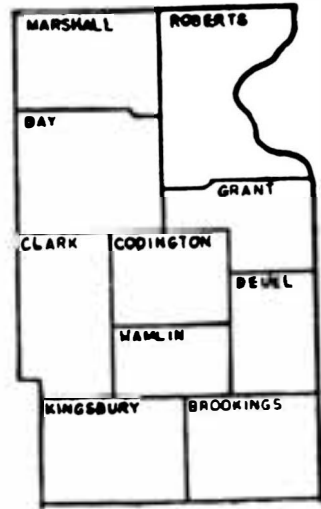
Central
North Central
South Dakota
Area 3



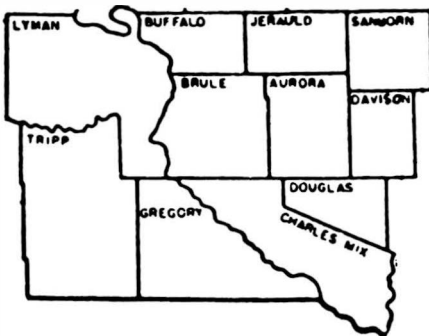
East
North Central
South Dakota
Area 2



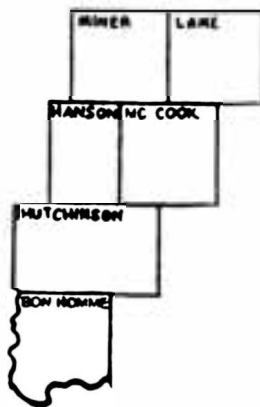
Northeastern
South Dakota
Area 1



South Central
South Dakota
Area 4



West
Southeastern
South Dakota
Area 5



East
Southeastern
South Dakota
Area 6

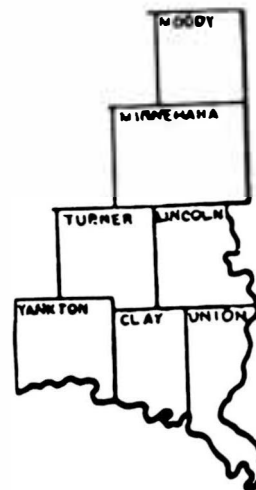


Table 1. Seeding Rate Assumptions for Crop Budgets

Crop	Unit	Area					
		1	2	3	4	5	6
		(No. of Units Per Acre)					
Oats	Bu.	2.5	2.5	2.25	2.5	2.5	3.0
Spring Wheat	Bu.	1.25	1.25	1.0	1.25	1.25	1.5
Winter Wheat		--	--	--	1.25		
Durum Wheat		--	--	1.25	--		
Corn	MVK	16.4	14.11	11.8	10.95	16.4	18.8
Barley	Bu.	1.25	1.25	1.25	1.25	1.25	1.26
Flax	Bu.	1.0	.75	.75	--	1.25	1.5
Soybeans	Bu.	1.0	--	--	1.0	1.0	1.0
Sunflowers	lbs.	2.29	2.3	--	--		
Winter Rye	Bu.	--	3.12	1.0	--		
Sorghum		--	--	--	4.0	4.0	4.0
Alfalfa Hay	lbs.	6.0	8	8	6.0	6.0	6.0
(Alfalfa Life)	Years	5	8	8	5	3	3

Table 2. Herbicide Treatment Assumptions for Crop Budgets

Treatment	Corn	Oats	Barley	Wheat	Flax	Soy-beans	Sun-flowers	Rye	Sorghum
(Percent of Cropland Treated)									
<u>AREA 1 Northeastern</u>									
Preplant Incorporated	5					75	15		
Preemergence broadcast	15								
Preemergence banded	55						5		
2,4-D	25		30	75					
MCPA		60			50				
Dicamba	10	45							
Picloram + 2,4-D			45						
Dalapon					35				
Triallate			35	35					
Diallate					25				
<u>AREA 2 East North Central</u>									
Preemergence broadcast	10								
Preemergence banded	50						15		
2,4-D	15		40	75				35	
MCPA		60			50				
Dicamba	15	35		35					
Picloram + 2,4-D			35						
Dalapon					35				
Triallate			35						
Diallate					25				
<u>AREA 3 Central North Central</u>									
Preemergence broadcast	10								
Preemergence banded	15								
2,4-D	35		5	75				35	
MCPA		60			50				
Dicamba	10	35		35					
Picloram + 2,4-D			35						
Dalapon					35				
Triallate			35	35					
Diallate					25				
<u>AREA 4 South Central</u>									
Preplant Incorporated	5					50			
Preemergence broadcast	5								
Preemergence banded	40								20
2,4-D	40		75	75					40
MCPA		50							
Dicamba	5	5		5					
<u>AREA 5 West South Eastern</u>									
Preplant Incorporated	10					90			
Preemergence broadcast	15								
Preemergence banded	50								20
2,4-D	25		65	75					15
MCPA		60			50				
Dicamba	10	10		10					
Picloram + 2,4-D			10						
Dalapon					35				
<u>AREA 6 East South Eastern</u>									
Preplant Incorporated	15					90			
Preemergence broadcast	30								
Preemergence banded	45								40
2,4-D	15		65	75					15
MCPA		60			50				
Dicamba	10	10		10					
Picloram + 2,4-D			10						
Dalapon					35				

Table 3. Insecticide Treatment Assumptions for Crop Budgets

Treatment	Corn	Sorghum	Oats	Flax	Barley	Alfalfa	Soybeans	Sunflowers	Spring Wheat	Winter Rye	Winter Wheat
(Percent of Cropland Treated)											
<u>AREA 1 Northeastern</u>											
Corn rootworm	30										
Grasshoppers on field borders	30			20		50	50	50			
Army worm and grain aphid			10	10	10				10		
Sunflower moth								50			
Pea aphid						25					
<u>AREA 2 East North Central</u>											
Corn rootworm	50										
Grasshoppers on field borders	20			20		50		50		100	
Army worm and grain aphid			10	10	10				10		
Sunflower moth								50			
Pea aphid						25					
<u>AREA 3 Central North Central</u>											
Corn rootworm	20										
Grasshoppers on field borders	50			20		50				100	
Army worm and grain aphid			10	10	10				10		
Pea aphid						25					
<u>AREA 4 South Central</u>											
Corn rootworm	70										
Corn borer	10										
Grasshoppers on field borders	20					50	50				100
Army worm and grain aphid			10		10				10		
Pea aphid						25					
Greenbugs and leaf aphid							100				100
<u>AREA 5 West South Eastern</u>											
Corn rootworm	50										
Grasshoppers on field borders	20			20		50	50				
Army worm and grain aphid			10	10	10				10		
Greenbugs and leaf aphid		50									
Pea aphid						25					
<u>AREA 6 East South Eastern</u>											
Corn rootworm	70										
Corn borer	10										
Grasshoppers on field borders	20			20		50	50				
Army worm and grain aphid			10	10	10				10		
Greenbugs and leaf aphid		50									
Pea aphid						25					

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LIST OF CROP BUDGETS

<u>Identification No.</u>	<u>Description</u>	<u>Page No.</u>
	<u>Area 1</u> <u>Northeastern S.D.</u>	
00721403001121010	Corn	13
00741403001122008	Oats	15
00711403001123008	Barley	17
00761403001124008	Spring Wheat	19
00921403001126008	Flax	21
00981403001127009	Soybeans	23
00931403001125509	Sunflowers	25
00871403001129308	Alfalfa Hay	27
	<u>Area 2</u> <u>East, North Central S.D.</u>	
00725704001121010	Corn	29
00745704001122008	Oats	31
00715704001123008	Barley	33
00765704001124008	Spring Wheat	35
00925704001126008	Flax	37
00935704001125509	Sunflowers	39
00755704001126508	Winter Rye	41
00870604001129408	Alfalfa Hay	43
	<u>Area 3</u> <u>Central, North Central S.D.</u>	
00725305001121010	Corn	45
00745305001122008	Oats	47
00715305001123008	Barley	49
00765305001124008	Spring Wheat	51
00925305001126008	Flax	53
00755305001126508	Winter Rye	55
00795305001127508	Durum Wheat	57
00876405001129508	Alfalfa Hay	59

Identification No.	Description	Page No.
<u>Area 4</u> <u>South, Central S.D.</u>		
00722605001121610	Corn	61
00762605001122608	Oats	63
00712605001123608	Barley	65
00792605001124608	Spring Wheat	67
00742605001128610	Sorghum	69
00802605001125608	Winter Wheat	71
00822605001127609	Soybean Seed	73
00872605001129607	Alfalfa Hay	75
<u>Area 5</u> <u>West, Southeastern S.D.</u>		
00724402001121010	Corn	77
00744402001122008	Oats	79
00714402001123008	Barley	81
00764402001124008	Spring Wheat	83
00924402001126008	Flax	85
00984402001127009	Soybeans	87
00774402001128009	Sorghum	89
00874402001129208	Alfalfa Hay	91
<u>Area 6</u> <u>East, Southeastern S.D.</u>		
00724101001121010	Corn	93
00744101001122008	Oats	95
00714101001123008	Barley	97
00764101001124008	Spring Wheat	99
00924101001126008	Flax	101
00984101001127009	Soybeans	103
00774101001128009	Sorghum	105
00874101001129108	Alfalfa Hay	107
00726622002321610	Irrigated Corn	109
00876622002329608	Irrigated Alfalfa	111

PRICES USED TO BUDGET CROP COSTS AND RETURNS
 Price Vector 04
 December 1978

Code No.	Name of Production Item	Unit	Price/Unit	Your Price
69	Winter Wheat	Bu.	\$3.20	
71	Barley	Bu.	2.40	
72	Corn	Bu.	2.25	
74	Oats	Bu.	1.30	
75	Rye	Bu.	2.60	
76	Spring Wheat	Bu.	3.50	
77	Sorghum	Bu.	2.30	
79	Durum	Bu.	3.20	
81	Alfalfa Hay	Tons	35.00	
92	Flax	Bu.	7.00	
93	Sunflowers	Cwt.	10.50	
98	Soybeans	Bu.	5.50	
170	Corn Seed-Single Cross	MVK	0.55	
171	Corn Seed-3-Way	MVK	0.39	
172	Corn Seed-Double Cross	MVK	0.32	
173	Oats Seed, Certified	Bu.	3.10	
174	Barley Seed, Certified	Bu.	5.50	
175	Spring Wheat Seed, Certified	Bu.	4.50	
176	Flax Seed, Certified	Bu.	9.00	
177	Soybean Seed	Bu.	9.50	
178	Sorghum Seed	Lbs.	0.42	
179	Sunflower Seed	Lbs.	1.60	
180	Durum Seed, Certified	Bu.	5.50	
181	Alfalfa Seed, Certified	Lbs.	2.10	
182	Rye Seed, Certified	Bu.	5.50	
190	Winter Wheat Seed, Uncertified	Bu.	3.75	
191	Winter Wheat Seed, Certified	Bu.	4.50	
192	Oats Seed, Uncertified	Bu.	2.75	
193	Barley Seed, Uncertified	Bu.	4.00	
194	Spring Wheat Seed, Uncertified	Bu.	3.75	
195	Flax Seed, Uncertified	Bu.	7.50	
197	Durum Seed, Uncertified	Bu.	4.50	
198	Rye Seed, Uncertified	Bu.	4.00	
211	Nitrogen	Lbs.	0.18	
214	Phosphate	Lbs.	0.12	
251	Preplant Incorporated Acre	Acre	9.80	
252	Preemergence Broadcast	Acre	10.20	
253	Preemergence Banded	Acre	4.50	
254	2,4-D	Acre	1.00	
255	Dicamba	Acre	1.00	
256	MCPA	Acre	1.08	
257	Picloram + 2,4-D	Acre	1.30	
258	Dalapon	Acre	1.50	
259	Triallate	Acre	4.25	
260	Diallate	Acre	4.25	

Code No.	Name of Production Item	Unit	Price/Unit	Your Price
271	2,4-D, Barley, Wheat, Sorghum	Acre	0.75	_____
272	Dicamba on Wheat, Oats	Acre	2.00	_____
273	Preplant Inc., Sunflowers	Acre	5.65	_____
274	Preemergence Banded, Sunflowers	Acre	5.25	_____
275	MCPA on flax	Acre	0.81	_____
281	Corn Rootworm	Acre	6.00	_____
282	Cutworm	Acre	8.50	_____
283	Grasshoppers	Acre	4.50	_____
284	Corn Borer	Acre	9.00	_____
285	Pea Aphid	Acre	4.50	_____
286	Greenbugs	Acre	4.50	_____
287	Corn Leaf Aphid	Acre	4.50	_____
288	Armyworm	Acre	4.50	_____
289	English Grain Aphid	Acre	4.50	_____
290	Sunflower Moth	Acre	9.75	_____
392	Bale Ties	Ton	1.50	_____
393	Mgt. Service	Acre	4.00	_____
437	Grain Drying	Bu.	0.12	_____
438	Grain Storage	Bu.	0.03	_____
446	Crop Insurance I, Corn	Acre	3.00	_____
447	Crop Insurance II, Oats	Acre	2.25	_____
448	Crop Insurance III, Wheat	Acre	2.00	_____
449	Crop Insurance IV	Acre	1.75	_____
452	Crop Insurance V, Flax	Acre	2.50	_____
461	Land Class 1	Acre	700.00	_____
462	Land Class 2	Acre	475.00	_____
463	Land Class 3	Acre	400.00	_____
464	Land Class 4	Acre	350.00	_____
465	Land Class 5	Acre	300.00	_____
466	Land Class 6	Acre	200.00	_____
467	Land Class 7	Acre	100.00	_____
468	Land Class 8	Acre	50.00	_____
500	Crop Overhead	Acre	3.00	_____

PRICES STORED AS DEFAULT PARAMETERS

Code No.	Description	Unit	Price	Your Price
1	Gasoline Price (after 4¢ Federal and 8¢ State Tax)	Gal.	\$0.504	_____
2	L.P. gas price	Gal.	0.34	_____
3	Diesel fuel price	Gal.	0.469	_____
6	Interest rate on all capital except land as a % of average value		0.085	_____
7	Insurance plus housing cost per dollar of average machine value		0.016	_____
8	Tax rate per dollar of machine purchase cost		0.01	_____
9	Land charge		0.07	_____
10	Machine Labor	Hour	3.30	_____
12	Equipment Labor	Hour	3.30	_____
19	Tractor hours per machine hour	Hour	1.10	_____
20	Man hours per tractor hour	Hour	1.10	_____
21	Man hours per self-propelled machine hour	Hour	1.20	_____

The following pages contain the list of Crop Budgets. The data for each budget is presented on 2 successive pages.

CORN GRAIN NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 55 BUSHFLS

BUDGET NUMBER 210
 BUDGET NUMBER 210
 BUDGET NUMBER 210

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION CORN	BU.	2.250	55.000	123.75	
TOTAL RECEIPTS				123.75	

CASH COSTS					
CORN SEED-SC	MVK	0.550	9.840	5.41	
CORN SEED-3-WAY	MVK	0.390	4.100	1.60	
CORN SEED-DC	MVK	0.320	2.460	0.79	
NITROGEN	LBS.	0.180	55.000	9.90	
PHOSPHATE	LBS.	0.120	30.000	3.60	
PREPLANT INCORP	ACRE	9.800	0.050	0.49	
PREEMERG BROAD	ACRE	10.200	0.150	1.53	
PREEMERG BANDED	ACRE	4.500	0.550	2.47	
2,4-C	ACRE	1.000	0.250	0.25	
DICAMBA	ACRE	1.000	0.100	0.10	
CORN ROOTWORM	ACRE	6.000	0.300	1.80	
CUTWORM	ACRE	8.500	1.000	8.50	
GRASSHOPPERS	ACRE	4.500	0.030	0.13	
CROP INSURANCE	ACRE	3.000	1.000	3.00	
GRAIN STORAGE	BU.	0.030	55.000	1.65	
GRAIN DRYER	BU.	0.120	55.000	6.60	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			6.22	
MACHINERY REPAIRS	ACRE			4.61	
TOTAL CASH COSTS				61.66	

FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	17.536	1.49	
INTEREST ON TRACTOR INVESTMENT		0.085	22.744	1.93	
INTEREST ON EQUIPMENT INVESTMENT		0.085	65.388	5.56	
DEPRECIATION, TAXES, INSURANCE				13.68	
LABOR COST		3.300	2.431	8.02	
LAND CHARGE		0.070	400.000	28.00	
TOTAL FIXED COSTS				58.68	

TOTAL COST PER ACRE 120.34

NET RETURNS PER ACRE 3.41

TOTAL COST PER UNIT OF PRODUCTION 2.19

RESOURCES USED	DOLLARS
TOTAL CAPITAL	88.13
ANNUAL CAPITAL	17.54
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.76
JULY-AUG	0.20
SEPT-CCT	1.47
NOV-DEC	0.0

CORN GRAIN NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
EXPECTED YIELD 55 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT			
					NUMBER OF UNITS											CODE	CCODE				
1 CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	0.0	0.0	2.250	0.0	2.	72.	2.	0.			
OPERATING INPUTS													RATE/UNIT			PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CCODE					
11 CORN SEED-SC	0.0	0.0	0.0	0.0	9.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.550	0.0	22.	170.	3.	0.			
12 CORN SEED-3-WAY	0.0	0.0	0.0	0.0	4.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.390	0.0	22.	171.	3.	0.			
13 CORN SEED-DC	0.0	0.0	0.0	0.0	2.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.320	0.0	22.	172.	3.	0.			
14 NITROGEN	0.0	0.0	0.0	0.0	55.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.			
15 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.			
16 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	7.	251.	3.	0.			
17 PREEMERG BROAD	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.200	0.0	7.	252.	3.	0.			
18 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.			
19 2,4-D	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	254.	3.	0.			
20 DICAMBA	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	255.	3.	0.			
21 CORN ROOTWORM	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.000	0.0	7.	281.	3.	0.			
22 CUTWORM	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.500	0.0	7.	282.	3.	0.			
23 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.			
24 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	446.	3.	0.			
25 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	0.0	0.0	0.030	0.0	2.	438.	3.	0.			
26 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	0.0	0.0	0.120	0.0	2.	437.	3.	0.			
27 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	3.000	0.0	7.	500.	3.	0.			
MACHINERY REQUIREMENTS													TIMES OVER			XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE					
38 7-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	36.	4.	0.			
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.			
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.			
41 CYCLOPLTR W/CH+P	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	63.	4.	0.			
42 8-ROW CULTIVATOR	0.0	0.0	0.0	0.0	2.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	61.	4.	0.			
43 SP COMBINE-CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	21.	4.	0.			
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.			
45 STALK SHREDDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	94.	4.	0.			
46 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.0	0.0	1.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.			

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 722 BY DERSHEID, AANGERUD.
HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA x
COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

CORN
ALLEN
03/30/77

OATS NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY, GRANT,
 CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROCKINGS COUNTIES.
 EXPECTED YIELD 50 BUSHELS

BUDGET NUMBER 220
 BUDGET NUMBER 220
 BUDGET NUMBER 220

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
OATS	BU.	1.300	50.000	65.00	
TOTAL RECEIPTS				65.00	
CASH COSTS					
OATS SEED	BU.	3.100	0.420	1.30	
OATS SEED UNC	BU.	2.750	2.080	5.72	
NITROGEN	LBS.	0.180	25.000	4.50	
PHOSPHATE	LBS.	0.120	30.000	3.60	
MCPA	ACRE	1.080	0.600	0.65	
DICAMBA	ACRE	2.000	0.450	0.90	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	50.000	1.50	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.84	
MACHINERY REPAIRS	ACRE			3.30	
TOTAL CASH COSTS				32.46	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.550	0.56	
INTEREST ON TRACTOR INVESTMENT		0.085	13.275	1.13	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.915	5.09	
DEPRECIATION, TAXES, INSURANCE				11.48	
LABOR COST		3.300	1.843	6.08	
LAND CHARGE		0.070	400.000	28.00	
TOTAL FIXED COSTS				52.35	
TOTAL COST PER ACRE				84.81	
NET RETURNS PER ACRE				-19.81	
TOTAL COST PER UNIT OF PRODUCTION				1.70	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	73.19
ANNUAL CAPITAL	6.55
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.60
JULY-AUG	0.99
SEPT-OCT	0.25
NOV-DEC	0.0

OATS NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY, GRANT,
CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
EXPECTED YIELD 50 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
PRODUCTION	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT				
	NUMBER OF UNITS																					
1 OATS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.00	0.0	0.0	0.0	0.0	1.300	0.0	2.	74.	2.	0.				
OPERATING INPUTS																						
	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT				
														UNITS	CODE	CODE						
11 OATS SEED	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.100	0.0	2.	173.	3.	0.				
12 OATS SEED UNC	0.0	0.0	0.0	0.0	2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.750	0.0	2.	192.	3.	0.				
13 NITROGEN	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.				
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.				
15 MCPA	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.080	0.0	7.	256.	3.	0.				
16 DICAMBA	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.				
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.				
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.				
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.				
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.				
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.				
MACHINERY REQUIREMENTS																						
	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT				
															UNIT	CODE						
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.				
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.				
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.				
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	67.	4.	0.				
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.				
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.				
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.				
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.				

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 722 BY DERSHEID, AANDERUD.
HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

DATS
ALLEN
03/30/77

BARLEY NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 41 BUSHEL

BUDGET NUMBER 230
 BUDGET NUMBER 230
 BUDGET NUMBER 230

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
BARLEY	BU.	2.400	41.000	98.40	
TOTAL RECEIPTS				98.40	
CASH COSTS					
BARLEY SEED	BU.	5.500	0.210	1.15	
BARLEY SEED UNC	BU.	4.000	1.040	4.16	
NITROGEN	LBS.	0.180	40.000	7.20	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.300	0.22	
PICLORAM + 2,4-D	ACRE	1.300	0.450	0.58	
TRIALATE	ACRE	4.250	0.350	1.49	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	41.000	1.23	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.02	
MACHINERY REPAIRS	ACRE			3.41	
TOTAL CASH COSTS				34.21	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	7.056	0.60	
INTEREST ON TRACTOR INVESTMENT		0.085	14.537	1.24	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.529	5.14	
DEPRECIATION, TAXES, INSURANCE				11.75	
LABOR COST		3.300	1.924	6.35	
LAND CHARGE		0.070	400.000	28.00	
TOTAL FIXED COSTS				53.08	
TOTAL COST PER ACRE				87.30	
NET RETURNS PER ACRE				11.10	
TOTAL COST PER UNIT OF PRODUCTION				2.13	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	75.07				
ANNUAL CAPITAL	7.06				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.68				
JULY-AUG	0.99				
SEPT-OCT	0.25				
NOV-DEC	0.0				

BARLEY NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROCKINGS COUNTIES.
 EXPECTED YIELD 41 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
1 BARLEY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.00	0.0	0.0	0.0	0.0	2.400	0.0	2.	71.	2.	0.
													NUMBER OF UNITS					
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 BARLEY SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	174.	3.	0.
12 BARLEY SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	2.	193.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 PICTORAM + 2,4-D	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.300	0.0	7.	257.	3.	0.
17 TRIALLATE	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	259.	3.	0.
18 ARMYWGRM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
19 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
20 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
21 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
22 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE		
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 722 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

BARLEY
 ALLEN
 03/30/77

SPRING WHEAT NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 28 BUSHEL

BUDGET NUMBER 240
 BUDGET NUMBER 240
 BUDGET NUMBER 240

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
WHEAT	BU.	3.500	28.000	98.00	
TOTAL RECEIPTS				98.00	
CASH COSTS					
SP. WHEAT SEED	BU.	4.500	0.210	0.94	
WHEAT SEED UNC	BU.	3.750	1.040	3.90	
NITROGEN	LBS.	0.180	40.000	7.20	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.750	0.56	
DICAMBA	ACRE	2.000	0.450	0.90	
TRIALATE	ACRE	4.250	0.350	1.49	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	28.000	0.84	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.02	
MACHINERY REPAIRS	ACRE			3.41	
TOTAL CASH COSTS				34.01	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	7.101	0.60	
INTEREST ON TRACTOR INVESTMENT		0.085	14.537	1.24	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.529	5.14	
DEPRECIATION, TAXES, INSURANCE				11.75	
LABOR COST		3.300	1.924	6.35	
LAND CHARGE		0.070	400.000	28.00	
TOTAL FIXED COSTS				53.09	
TOTAL COST PER ACRE				87.10	
NET RETURNS PER ACRE				10.90	
TOTAL COST PER UNIT OF PRODUCTION				3.11	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	75.07
ANNUAL CAPITAL	7.10
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.68
JULY-AUG	0.99
SEPT-OCT	0.25
NOV-DEC	0.0

SPRING WHEAT NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 28 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT		
	NUMBER OF UNITS																			
1 WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.00	0.0	0.0	0.0	0.0	3.500	0.0	2.	76.	2.	0.		
OPERATING INPUTS													RATE/UNIT		PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE				
11 SP. WHEAT SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	2.	175.	3.	0.		
12 WHEAT SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.750	0.0	2.	194.	3.	0.		
13 NITROGEN	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.		
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.		
15 2,4-D	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.		
16 DICAMBA	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.		
17 TRIALLATE	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	259.	3.	0.		
18 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.		
19 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.		
20 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.		
21 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.		
22 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.		
MACHINERY REQUIREMENTS													TIMES OVER		XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE				
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.		
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.		
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.		
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	67.	4.	0.		
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.		
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.		
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.		
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.		

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 722 BY VERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

WHEAT
 ALLEN
 03/30/77

FLAX NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 12 BUSHEL

BUDGET NUMBER 260
 BUDGET NUMBER 260
 BUDGET NUMBER 260

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
FLAX	BU.	7.000	12.000	84.00	
TOTAL RECEIPTS				84.00	
CASH COSTS					
FLAX SEED	BU.	9.000	0.170	1.53	
FLAX SEED UNC	BU.	7.500	0.830	6.22	
NITROGEN	LBS.	0.180	35.000	6.30	
PHOSPHATE	LBS.	0.120	15.000	1.80	
MCPA	ACRE	0.810	0.500	0.40	
DALAPON	ACRE	1.500	0.350	0.52	
DIALATE	ACRE	4.250	0.250	1.06	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	12.000	0.36	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.83	
MACHINERY REPAIRS	ACRE			3.30	
TOTAL CASH COSTS				31.67	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.637	0.56	
INTEREST ON TRACTOR INVESTMENT		0.085	13.199	1.12	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.879	5.09	
DEPRECIATION, TAXES, INSURANCE				11.47	
LABOR COST		3.300	1.838	6.07	
LAND CHARGE		0.070	400.000	28.00	
TOTAL FIXED COSTS				52.31	
TOTAL COST PER ACRE				83.98	
NET RETURNS PER ACRE				0.02	
TOTAL COST PER UNIT OF PRODUCTION				7.00	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	73.08				
ANNUAL CAPITAL	6.64				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.59				
JULY-AUG	0.99				
SEPT-OCT	0.25				
NOV-DEC	0.0				

FLAX NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 12 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 FLAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.00	0.0	0.0	0.0	0.0	7.000	0.0	2.	92.	2.	0.
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
	RATE/UNIT													UNITS	CODE	CODE		
11 FLAX SEED	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.000	0.0	2.	176.	3.	0.
12 FLAX SEED UNC	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.500	0.0	2.	195.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 MCPA	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.810	0.0	7.	275.	3.	0.
16 DALAPON	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	7.	258.	3.	0.
17 DIALLATE	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	260.	3.	0.
18 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
	TIMES OVER													UNIT	CODE	CODE		
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 DRILL 2/12FT w/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 722 BY DEFSHEID, AANDERUD
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

FLAX
 ALLEN
 03/30/77

SOYBEANS NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 19 BUSHEL

BUDGET NUMBER 270
 BUDGET NUMBER 270
 BUDGET NUMBER 270

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
SOYBEANS	BU.	5.500	19.000	104.50	
TOTAL RECEIPTS				104.50	
CASH COSTS					
SOYBEAN SEED	BU.	9.500	1.000	9.50	
PREPLANT INCORP	ACRE	9.800	0.750	7.35	
NITROGEN	LBS.	0.180	6.000	1.08	
PHOSPHATE	LBS.	0.120	18.000	2.16	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP INSURANCE	ACRE	2.000	1.000	2.00	
GRAIN STORAGE	BU.	0.030	19.000	0.57	
GRAIN DRYER	BU.	0.120	19.000	2.28	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.10	
MACHINERY REPAIRS	ACRE			3.70	
TOTAL CASH COSTS				36.97	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	13.493	1.15	
INTEREST ON TRACTOR INVESTMENT		0.085	15.588	1.32	
INTEREST ON EQUIPMENT INVESTMENT		0.085	55.485	4.72	
DEPRECIATION, TAXES, INSURANCE				11.07	
LABOR COST		3.300	1.898	6.26	
LAND CHARGE		0.070	400.000	28.00	
TOTAL FIXED COSTS				52.52	
TOTAL COST PER ACRE				89.47	
NET RETURNS PER ACRE				15.01	
TOTAL COST PER UNIT OF PRODUCTION				4.71	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	71.07				
ANNUAL CAPITAL	13.49				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.59				
JULY-AUG	0.16				
SEPT-OCT	1.14				
NOV-DEC	0.0				

BUDGET IDENTIFICATION NUMBER 9814030 11270
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 9
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 89
 PRICE VECTOR 4

SOYBEANS NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 19 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CGNT	
PRODUCTION					NUMBER OF UNITS														
1 SOYBEANS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.00	0.0	0.0	0.0	5.500	0.0	2.	98.	2.	0.	
OPERATING INPUTS					RATE/UNIT								PRICE	NUMBER	UNIT	ITEM	TYPE	CGNT	
														UNITS	CODE	CODE			
11 SOYBEAN SEED	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.500	0.0	2.	177.	3.	0.	
12 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	7.	251.	3.	0.	
13 NITROGEN	0.0	0.0	0.0	0.0	6.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.	
14 PHOSPHATE	0.0	0.0	0.0	0.0	18.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
15 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.	
16 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	448.	3.	0.	
17 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.00	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.	
18 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.00	0.0	0.0	0.0	0.120	0.0	2.	437.	3.	0.	
19 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
MACHINERY REQUIREMENTS					TIMES OVER								XXXXX	XXXXX	POWER	MACH	TYPE	CGNT	
															UNIT	CODE			
38 7-16 TS-SM PLGW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	36.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.	
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.	
41 CYCLOPLTR W/CH+P	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	63.	4.	0.	
42 8-ROW CULTIVATOR	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	61.	4.	0.	
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	18.	4.	0.	
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.	
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 722 BY DERSHEID, AANDERUD
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COS1/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

SOYBEANS
 ALLEN
 03/30/77

SUNFLOWERS NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
 GRANT, CLARK, CODDINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
 EXPECTED YIELD 9 CWT. PER ACRE. SUNFLOWERS ASSUMED TO WEIGH 24 LBS. PER BU.

BUDGET NUMBER 255
 BUDGET NUMBER 255
 BUDGET NUMBER 255

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
SUNFLOWERS	CWT.	10.500	9.000	94.50	
TOTAL RECEIPTS				94.50	
CASH COSTS					
SUNFLOWER SEED	LBS.	1.600	2.290	3.66	
NITROGEN	LBS.	0.180	35.000	6.30	
PHOSPHATE	LBS.	0.120	15.000	1.80	
PREPLANT INCORP	ACRE	5.650	0.150	0.85	
PREEMERG BANDED	ACRE	5.250	0.050	0.26	
SUNFLOWERBEETLE	ACRE	9.750	0.500	4.88	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	37.500	1.12	
GRAIN CRYER	BU.	0.120	37.500	4.50	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.69	
MACHINERY REPAIRS	ACRE			3.43	
TOTAL CASH COSTS				37.21	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	9.674	0.82	
INTEREST ON TRACTOR INVESTMENT		0.085	13.127	1.12	
INTEREST ON EQUIPMENT INVESTMENT		0.085	53.230	4.52	
DEPRECIATION, TAXES, INSURANCE				10.36	
LABOR COST		3.300	1.690	5.58	
LAND CHARGE		0.070	400.000	28.00	
TOTAL FIXED COSTS				50.40	
TOTAL COST PER ACRE				37.62	
NET RETURNS PER ACRE				6.88	
TOTAL COST PER UNIT OF PRODUCTION				9.74	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	66.36				
ANNUAL CAPITAL	9.67				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.55				
JULY-AUG	0.60				
SEPT-OCT	0.54				
NOV-DEC	0.0				

SUNFLOWERS NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY,
GRANT, CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY, AND BROOKINGS COUNTIES.
EXPECTED YIELD 9 CWT. PER ACRE. SUNFLOWERS ASSUMED TO WEIGH 24 LBS. PER BU.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 SUNFLOWERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.00	0.0	0.0	0.0	10.500	0.0	16.	93.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 SUNFLOWER SEED	0.0	0.0	0.0	0.0	2.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.600	0.0	12.	179.	3.	0.
12 NITROGEN	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
13 PHOSPHATE	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
14 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.650	0.0	7.	273.	3.	0.
15 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.250	0.0	7.	274.	3.	0.
16 SUNFLOWERBEETLE	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.750	0.0	7.	290.	3.	0.
17 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
18 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.
19 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.50	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
20 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.50	0.0	0.0	0.0	0.120	0.0	2.	437.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE		
38 7-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	36.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 CYCLOPLTR W/LH+F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	63.	4.	0.
42 8-ROW CULTIVATOR	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	61.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 722 BY DERSHEID, AANDEPUD. SUNFLOWERS
HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X ALLEN
COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND. 03/30/77

ALFALFA NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY, GRANT BUDGET NUMBER 293
 CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY AND BROOKINGS COUNTIES BUDGET NUMBER 293
 EXPECTED YIELD IS 2.5 TONS. ALFALFA ESTABLISHED EVERY 5 YEARS. BUDGET NUMBER 293

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
ALFALFA HAY	TONS	35.000	2.500	87.50	
TOTAL RECEIPTS				87.50	
CASH COSTS					
ALFALFA SEED	LBS.	2.100	1.200	2.52	
PHOSPHATE	LBS.	0.120	45.000	5.40	
PEA APHID	ACRE	4.500	0.250	1.13	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
BALE TIES	TONS	1.500	2.500	3.75	
FUEL AND LUBRICANTS	ACRE			2.92	
MACHINERY REPAIRS	ACRE			3.00	
TOTAL CASH COSTS				21.94	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	4.199	0.36	
INTEREST ON TRACTOR INVESTMENT		0.085	12.575	1.07	
INTEREST ON EQUIPMENT INVESTMENT		0.085	28.579	2.43	
DEPRECIATION, TAXES, INSURANCE				6.64	
LABOR COST		3.300	1.096	3.62	
LAND CHARGE		0.070	400.000	28.00	
TOTAL FIXED COSTS				42.11	
TOTAL COST PER ACRE				64.05	
NET RETURNS PER ACRE				23.45	
TOTAL COST PER UNIT OF PRODUCTION				25.62	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	41.15
ANNUAL CAPITAL	4.20
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.65
JULY-AUG	0.45
SEPT-OCT	0.0
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 8714030 11293
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 107
 PRICE VECTOR 4

ALFALFA NORTHEASTERN SOUTH DAKOTA COMPRISED OF MARSHALL, ROBERTS, DAY, GRANT
 CLARK, CODINGTON, DEUEL, HAMLIN, KINGSBURY AND BROOKINGS COUNTIES
 EXPECTED YIELD IS 2.5 TONS. ALFALFA ESTABLISHED EVERY 5 YEARS.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT	
PRODUCTION													NUMBER OF UNITS						
1 ALFALFA HAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.50	0.0	0.0	0.0	0.0	35.000	0.0	3.	81.	2.	0.	
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT	
													RATE/UNIT						
11 ALFALFA SEED	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.100	0.0	12.	181.	3.	0.	
12 PHOSPHATE	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
13 PEA APHID	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	285.	3.	0.	
14 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.	
15 CRGP OVERHEAD	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
16 BALE TIES	0.0	0.0	0.0	0.0	0.0	2.50	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	3.	392.	3.	0.	
MACHINERY REQUIREMENTS													TIMES OVER	XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE			
38 7-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	36.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.	
40 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	67.	4.	0.	
41 SPIKE HARROW	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.	
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.	
43 BALER MED	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	86.	4.	0.	
44 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 722 BY DERSHEID, AANDERUD
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

ALFALFA
 ALLEN
 03/30/77

CORN GRAIN EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON, BROWN,
 EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 45 BUSHEL

BUDGET NUMBER 210
 BUDGET NUMBER 210
 BUDGET NUMBER 210

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION CORN	BU.	2.250	45.000	101.25	
TOTAL RECEIPTS				101.25	
CASH COSTS					
CORN SEED-SC	MVK	0.550	8.460	4.65	
CORN SEED-3-WAY	MVK	0.390	3.530	1.38	
CORN SEED-DC	MVK	0.320	2.120	0.68	
NITROGEN	LBS.	0.180	45.000	8.10	
PHOSPHATE	LBS.	0.120	30.000	3.60	
PREEMERG BROAD	ACRE	10.200	0.100	1.02	
PREEMERG BANDED	ACRE	4.500	0.500	2.25	
2,4-D	ACRE	1.000	0.150	0.15	
DICAMBA	ACRE	1.000	0.150	0.15	
CORN ROOTWORM	ACRE	6.000	0.500	3.00	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CRUP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	45.000	1.35	
GRAIN DRYER	BU.	0.120	45.000	5.40	
CRUP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			6.70	
MACHINERY REPAIRS	ACRE			5.24	
TOTAL CASH COSTS				49.26	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	12.728	1.08	
INTEREST ON TRACTOR INVESTMENT		0.085	22.513	1.91	
INTEREST ON EQUIPMENT INVESTMENT		0.085	65.362	5.56	
DEPRECIATION, TAXES, INSURANCE				13.64	
LABOR COST		3.300	2.035	6.71	
LAND CHARGE		0.070	350.000	24.50	
TOTAL FIXED COSTS				53.41	
TOTAL COST PER ACRE				102.67	
NET RETURNS PER ACRE				-1.42	
TOTAL COST PER UNIT OF PRODUCTION				2.23	
RESOURCES USED DOLLARS					
TOTAL CAPITAL				87.87	
ANNUAL CAPITAL				12.73	
ACRES OF LAND				1.00	
LABOR HOURS					
MAR-APRIL				0.0	
MAY-JUNE				0.67	
JULY-AUG				0.0	
SEPT-OCT				1.36	

CORN GRAIN EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON, BROWN,
 EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 45 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
1 CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.00	0.0	0.0	2.250	0.0	2.	72.	2.	0.
													NUMBER OF UNITS					
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
													RATE/UNIT					
11 CORN SEED-SC	0.0	0.0	0.0	0.0	8.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.550	0.0	22.	170.	3.	0.
12 CORN SEED-3-WAY	0.0	0.0	0.0	0.0	3.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.390	0.0	22.	171.	3.	0.
13 CORN SEED-DC	0.0	0.0	0.0	0.0	2.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.320	0.0	22.	172.	3.	0.
14 NITROGEN	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
15 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
16 PREEMERG BROAD	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.200	0.0	7.	252.	3.	0.
17 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.
18 2,4-D	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	254.	3.	0.
19 DICAMBA	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	255.	3.	0.
20 CORN ROOTWORM	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.000	0.0	7.	281.	3.	0.
21 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
22 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.
23 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.030	0.0	2.	438.	3.	0.
24 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.120	0.0	2.	437.	3.	0.
25 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
													TIMES CVER					
															UNIT CODE			
38 10-18 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	6.	38.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 CYCLOPLTR W/CH+P	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	63.	4.	0.
42 8-ROW CULTIVATOR	0.0	0.0	0.0	0.0	1.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	61.	4.	0.
43 SP COMBINE-CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	21.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 STALK SHREDDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	6.	94.	4.	0.
46 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 723 BY DERSHEID, AANDERUD
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

CORN
 ALLEN
 03/30/77

OATS EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON, BROWN,
 EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 45 BUSHELS

BUDGET NUMBER 220
 BUDGET NUMBER 220
 BUDGET NUMBER 220

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
OATS	BU.	1.300	45.000	58.50	
TOTAL RECEIPTS				58.50	
CASH COSTS					
OATS SEED	BU.	3.100	0.420	1.30	
OATS SEED UNC	BU.	2.750	2.080	5.72	
NITROGEN	LBS.	0.180	25.000	4.50	
PHOSPHATE	LBS.	0.120	30.000	3.60	
MCPA	ACRE	1.080	0.600	0.65	
DICAMBA	ACRE	2.000	0.350	0.70	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.000	1.000	2.00	
GRAIN STORAGE	BU.	0.030	45.000	1.35	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.28	
MACHINERY REPAIRS	ACRE			3.40	
TOTAL CASH COSTS				32.40	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	7.084	0.60	
INTEREST ON TRACTOR INVESTMENT		0.085	14.720	1.25	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.985	5.10	
DEPRECIATION,TAXES,INSURANCE				11.69	
LABOR COST		3.300	1.687	5.57	
LAND CHARGE		0.070	350.000	24.50	
TOTAL FIXED COSTS				48.70	
TOTAL COST PER ACRE				81.10	
NET RETURNS PER ACRE				-22.60	
TOTAL COST PER UNIT OF PRODUCTION				1.80	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	74.70
ANNUAL CAPITAL	7.08
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	1.12
JULY-AUG	0.39
SEPT-CCT	0.18
NOV-DEC	0.0

OATS EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON, BROWN,
EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
EXPECTED YIELD 45 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT			
	NUMBER OF UNITS																				
1 OATS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	1.300	0.0	2.	74.	2.	0.			
OPERATING INPUTS																					
	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT			
														UNITS	CODE	CODE					
11 OATS SEED	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.100	0.0	2.	173.	3.	0.			
12 OATS SEED UNC	0.0	0.0	0.0	0.0	2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.750	0.0	2.	192.	3.	0.			
13 NITROGEN	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	214.	3.	0.			
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.			
15 MCPA	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.080	0.0	7.	256.	3.	0.			
16 DICAMBA	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.			
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.			
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.			
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	448.	3.	0.			
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.			
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.			
MACHINERY REQUIREMENTS																					
	TIMES CVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT			
															UNIT	CODE					
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.			
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.			
40 SPIKE HARRCW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.			
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.			
42 S.P. SKATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.			
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.			
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.			
45 SPRAYFR 8 ROW	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.			

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 723 BY DERSHEID, AANDERUD.
HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

OATS
ALLEN
03/30/77

BARLEY EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON, BROWN,
 EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 39 BUSHEL

BUDGET NUMBER 230
 BUDGET NUMBER 230
 BUDGET NUMBER 230

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
BARLEY	BU.	2.400	39.000	93.60	
TOTAL RECEIPTS				93.60	
CASH COSTS					
BARLEY SEED	BU.	5.500	0.210	1.15	
BARLEY SEED UNC	BU.	4.000	1.040	4.16	
NITROGEN	LBS.	0.180	35.000	6.30	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.500	0.38	
PICLORAM + 2,4-D	ACRE	1.300	0.350	0.45	
TRIALATE	ACRE	4.250	0.350	1.49	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	39.000	1.17	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.54	
MACHINERY REPAIRS	ACRE			3.53	
TOTAL CASH COSTS				33.93	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	7.002	0.60	
INTEREST ON TRACTOR INVESTMENT		0.085	16.435	1.40	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.598	5.15	
DEPRECIATION, TAXES, INSURANCE				12.02	
LABOR COST		3.300	1.768	5.83	
LAND CHARGE		0.070	350.000	24.50	
TOTAL FIXED COSTS				49.49	
TOTAL COST PER ACRE				83.42	
NET RETURNS PER ACRE				10.18	
TOTAL COST PER UNIT OF PRODUCTION				2.14	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	77.03				
ANNUAL CAPITAL	7.00				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.60				
JULY-AUG	0.99				
SEPT-OCT	0.18				
NOV-DEC	0.0				

BARLEY EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON, BROWN,
 EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 39 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 BARLEY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.00	0.0	0.0	0.0	0.0	2.400	0.0	2.	71.	2.	0.
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
	RATE/UNIT													UNITS	CODE	CODE		
11 BARLEY SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	174.	3.	0.
12 BARLEY SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	2.	193.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 PICLORAM + 2,4-D	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.300	0.0	7.	257.	3.	0.
17 TFIALATE	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	259.	3.	0.
18 AKMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
19 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
20 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
21 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
22 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
	TIMES CVER														UNIT	CODE		
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 723 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

BARLEY
 ALLEN
 03/30/77

SPRING WHEAT EAST, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON,
 BROWN, ERMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 23 BUSHELS

BUDGET NUMBER 240
 BUDGET NUMBER 240
 BUDGET NUMBER 240

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
WHEAT	BU.	3.500	23.000	80.50	
TOTAL RECEIPTS				80.50	
CASH COSTS					
SP. WHEAT SEED	BU.	4.500	0.210	0.94	
WHEAT SEED UNC	BU.	3.750	1.040	3.90	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.750	0.56	
DICAMBA	ACRE	2.000	0.350	0.70	
TRIALATE	ACRE	4.250	0.350	1.49	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHIC	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.000	1.000	2.00	
GRAIN STORAGE	BU.	0.030	23.000	0.69	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.54	
MACHINERY REPAIRS	ACRE			3.53	
TOTAL CASH COSTS				32.26	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.705	0.57	
INTEREST ON TRACTOR INVESTMENT		0.085	16.435	1.40	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.598	5.15	
DEPRECIATION, TAXES, INSURANCE				12.02	
LABOR COST		3.300	1.768	5.83	
LAND CHARGE		0.070	350.000	24.50	
TOTAL FIXED COSTS				49.47	
TOTAL COST PER ACRE				81.73	
NET RETURNS PER ACRE				-1.23	
TOTAL COST PER UNIT OF PRODUCTION				3.55	
RESOURCES USED					
TOTAL CAPITAL	DOLLARS	77.03			
ANNUAL CAPITAL	DOLLARS	6.71			
ACRES OF LAND	DOLLARS	1.00			
LABOR					
MAR-APRIL	HOURS	0.0			
MAY-JUNE	HOURS	0.60			
JULY-AUG	HOURS	0.99			
SEPT-CCT	HOURS	0.18			
NOV-DEC	HOURS	0.0			

SPRING WHEAT EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON,
 BROWN, EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 23 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT	
PRODUCTION					NUMBER OF UNITS														
1 WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.00	0.0	0.0	0.0	0.0	3.500	0.0	2.	76.	2.	0.	
OPERATING INPUTS					RATE/UNIT														
													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT	
														UNITS	CODE	CODE			
11 SP. WHEAT SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	2.	175.	3.	0.	
12 WHEAT SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.750	0.0	2.	194.	3.	0.	
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.	
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
15 2,4-D	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.	
16 DICAMBA	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.	
17 TRIALLATE	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	259.	3.	0.	
18 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.	
19 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.	
20 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	448.	3.	0.	
21 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.	
22 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
MACHINERY REQUIREMENTS					TIMES CVER														
													XXXXX	XXXXX	POWER	MACH	TYPE	CONT	
															UNIT	CODE			
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.	
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.	
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.	
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.	
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.	
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.	
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 723 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

WHEAT
 ALLEN
 03/30/77

FLAX EAST,NORTH CENTRAL SCUTH DAKOTA COMPRISED OF MCPHERSON, BROWN,
 EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 9 BUSHEL

BUDGET NUMBER 260
 BUDGET NUMBER 260
 BUDGET NUMBER 260

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
FLAX	BU.	7.000	9.000	63.00	
TOTAL RECEIPTS				63.00	
CASH COSTS					
FLAX SEED	BU.	9.000	0.130	1.17	
FLAX SEED UNC	BU.	7.500	0.620	4.65	
NITROGEN	LBS.	0.180	45.000	8.10	
PHOSPHATE	LBS.	0.120	15.000	1.80	
MCPA	ACRE	0.810	0.150	0.12	
DALAPGN	ACRE	1.500	0.350	0.52	
DIALATE	ACRE	4.250	0.250	1.06	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	9.000	0.27	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.26	
MACHINERY REPAIRS	ACRE			3.39	
TOTAL CASH COSTS				31.70	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.668	0.57	
INTEREST ON TRACTOR INVESTMENT		0.085	14.617	1.24	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.948	5.10	
DEPRECIATION,TAXES,INSURANCE				11.67	
LABOR COST		3.300	1.682	5.55	
LAND CHARGE		0.070	350.000	24.50	
TOTAL FIXED COSTS				48.62	
TOTAL COST PER ACRE				80.32	
NET RETURNS PER ACRE				-17.32	
TOTAL COST PER UNIT OF PRODUCTION				8.92	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	74.57
ANNUAL CAPITAL	6.67
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.51
JULY-AUG	0.99
SEPT-OCT	0.18
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 9257040 11260
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 95
 PRICE VECTOR 4

FLAX EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON, BROWN,
 EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD 9 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
1 FLAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.00	0.0	0.0	0.0	0.0	7.000	0.0	2.	92.	2.	0.
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
					RATE/UNIT								UNITS	CODE	CODE			
11 FLAX SEED	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.000	0.0	2.	176.	3.	0.
12 FLAX SEED UNC	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.500	0.0	2.	195.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 MCPA	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.810	0.0	7.	275.	3.	0.
16 DALAPON	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	7.	258.	3.	0.
17 DIALATE	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	260.	3.	0.
18 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
					TIMES OVER								UNIT	CODE				
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORU TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 723 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

FLAX
 ALLEN
 03/30/77

SUNFLOWERS EAST, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON,
 BROWN, EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
 EXPECTED YIELD, 8.6 CWT

BUDGET NUMBER 255
 BUDGET NUMBER 255
 BUDGET NUMBER 255

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
SUNFLOWERS	CWT.	10.500	8.600	90.30	
TOTAL RECEIPTS				90.30	
CASH COSTS					
SUNFLOWER SEED	LBS.	1.600	2.300	3.68	
NITROGEN	LBS.	0.180	45.000	8.10	
PHOSPHATE	LBS.	0.120	15.000	1.80	
PRFEMERG BANDED	ACRE	5.250	0.150	0.79	
SUNFLOWERBEETLE	ACRE	9.750	0.500	4.88	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	34.000	1.02	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.21	
MACHINERY REPAIRS	ACRE			4.22	
TOTAL CASH COSTS				35.42	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	10.921	0.93	
INTEREST ON TRACTOR INVESTMENT		0.085	13.836	1.18	
INTEREST ON EQUIPMENT INVESTMENT		0.085	55.289	4.70	
DEPRECIATION, TAXES, INSURANCE				10.80	
LABOR COST		3.300	1.500	4.95	
LAND CHARGE		0.070	350.000	24.50	
TOTAL FIXED COSTS				47.06	
TOTAL COST PER ACRE				82.47	
NET RETURNS PER ACRE				7.83	
TOTAL COST PER UNIT OF PRODUCTION				9.59	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	69.13
ANNUAL CAPITAL	10.92
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.47
JULY-AUG	0.0
SEPT-OCT	1.03
NOV-DEC	0.0

SUNFLOWERS EAST, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON,
BROWN, EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
EXPECTED YIELD, 8.6 CWT

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT	
PRODUCTION																			
1 SUNFLOWERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.60	0.0	0.0	0.0	10.500	0.0	16.	93.	2.	0.	
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT	
														UNITS	CODE	CODE			
11 SUNFLOWER SEED	0.0	0.0	0.0	0.0	2.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.600	0.0	12.	179.	3.	0.	
12 NITROGEN	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.	
13 PHOSPHATE	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
14 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.250	0.0	7.	274.	3.	0.	
15 SUNFLOWERBEETLE	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.750	0.0	7.	290.	3.	0.	
16 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.	
17 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.	
18 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.00	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.	
19 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT	
															UNIT	CODE			
38 10-18 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	6.	38.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.	
40 SPIKE HARRROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.	
41 CYCLOPLTR W/CH+P	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	63.	4.	0.	
42 8-ROW CULTIVATOR	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	61.	4.	0.	
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.	
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.	
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 723 BY DERSHEID, AANDERUD. SUNFLOWERS
HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X ALLEN
COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DUPLAND. 03/30/77

WINTER RYE EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON,
 BROWN, EDMUNDS, FAULK, SPINK, HAND, AND BEADLE CCUNTIES.
 EXPECTED YIELD 30 BUSHEL S

BUDGET NUMBER 265
 BUDGET NUMBER 265
 BUDGET NUMBER 265

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
RYE	BU.	2.600	30.000	78.00	
TOTAL RECEIPTS				78.00	
CASH COSTS					
RYE SEED	BU.	5.500	2.290	12.59	
RYE SEED UNC	BU.	4.000	0.830	3.32	
NITROGEN	LBS.	0.180	35.000	6.30	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.350	0.26	
GRASSHOPPERS	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	30.000	0.90	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.10	
MACHINERY REPAIRS	ACRE			3.31	
TOTAL CASH COSTS				41.33	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	8.842	0.75	
INTEREST ON TRACTOR INVESTMENT		0.085	13.520	1.15	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.555	5.06	
DEPRECIATION,TAXES,INSURANCE				11.46	
LABOR COST		3.300	1.630	5.38	
LAND CHARGE		0.070	350.000	24.50	
TOTAL FIXED COSTS				48.30	
TOTAL COST PER ACRE				89.63	
NET RETURNS PER ACRE				-11.63	
TOTAL COST PER UNIT OF PRODUCTION				2.99	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	73.08
ANNUAL CAPITAL	8.84
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.46
JULY-AUG	0.99
SEPT-CCT	0.18
NOV-DEC	0.0

WINTER RYE EAST,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF MCPHERSON,
BROWN, EDMUNDS, FAULK, SPINK, HAND, AND BEADLE COUNTIES.
EXPECTED YIELD 30 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18								
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT								
1 RYE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	2.600	0.0	2.	75.	2.	0.								
OPERATING INPUTS													RATE/UNIT		PRICE		NUMBER		UNIT		ITEM		TYPE		CONT	
11 RYE SEED	0.0	0.0	0.0	0.0	2.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	182.	3.	0.								
12 RYE SEED UNC	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	2.	198.	3.	0.								
13 NITROGEN	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.								
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.								
15 2,4-D	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.								
16 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.								
17 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.								
18 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.								
19 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.								
MACHINERY REQUIREMENTS													TIMES OVER		XXXXX		XXXXX		POWER		MACH		TYPE		CONT	
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	6.	45.	4.	0.								
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.								
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.								
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.								
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.								
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.								
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.								
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.								

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 723 BY DERSHEID, AANDERUD.
HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

RYE
ALLEN
03/30/77

ALFALFA EAST, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF BROWN, SPINK, HAND,
 BEADLE AND THE EAST HALF OF MCPHERSON, EDMUNDS AND FAULK COUNTIES
 EXPECTED YIELD IS 2.0 TONS. ALFALFA ESTABLISHED EVERY 8 YEARS.

BUDGET NUMBER 294
 BUDGET NUMBER 294
 BUDGET NUMBER 294

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
ALFALFA HAY	TCNS	35.000	2.000	70.00	
TOTAL RECEIPTS				70.00	

CASH COSTS					
ALFALFA SEED	LBS.	2.100	1.000	2.10	
PHOSPHATE	LBS.	0.120	45.000	5.40	
PEA APHID	ACRE	4.500	0.250	1.13	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CRUP OVERHEAD	ACRE	3.000	1.000	3.00	
BALE TIES	TONS	1.500	2.000	3.00	
FUEL AND LUBRICANTS	ACRE			1.85	
MACHINERY REPAIRS	ACRE			1.99	
TOTAL CASH COSTS				18.69	

FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	3.763	0.32	
INTEREST ON TRACTOR INVESTMENT		0.085	8.323	0.71	
INTEREST ON EQUIPMENT INVESTMENT		0.085	18.120	1.54	
DEPRECIATION, TAXES, INSURANCE				4.26	
LABOR COST		3.300	0.567	1.87	
LAND CHARGE		0.070	350.000	24.50	
TOTAL FIXED COSTS				33.20	

TOTAL COST PER ACRE 51.89

NET RETURNS PER ACRE 18.11

TOTAL COST PER UNIT OF PRODUCTION 25.94

RESOURCES USED	DOLLARS
TOTAL CAPITAL	26.44
ANNUAL CAPITAL	3.76
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.49
JULY-AUG	0.07
SEPT-OCT	0.0
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 87 6040 11294
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 108
 PRICE VECTOR 4

ALFALFA EAST, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF BROWN, SPINK, HAND,
 BEADLE AND THE EAST HALF OF MCPHERSON, EDMUNDS AND FAULK COUNTIES
 EXPECTED YIELD IS 2.0 TONS. ALFALFA ESTABLISHED EVERY 8 YEARS.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT			
	NUMBER OF UNITS																				
1 ALFALFA HAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	0.0	35.000	0.0	3.	81.	2.	0.			
OPERATING INPUTS				RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
													UNITS	CODE	CODE						
11 ALFALFA SEED	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.100	0.0	12.	181.	3.	0.			
12 PHOSPHATE	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.			
13 PEA APHID	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	285.	3.	0.			
14 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.			
15 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.			
16 BALE TIES	0.0	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	3.	392.	3.	0.			
MACHINERY REQUIREMENTS				TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
													UNIT	CODE	UNIT	CODE					
38 10-18 TS-SM PLOW	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	38.	4.	0.			
39 TANDEM DISK	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.			
40 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.			
41 SPIKE HARROW	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.			
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.			
43 BALER LARG ROUND	0.0	0.0	0.0	0.0	0.0	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	87.	4.	0.			
44 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.			

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 723 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

ALFALFA
 ALLEN
 03/30/77

CORN GRAIN CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON, BUDGET NUMBER 210
 WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES. BUDGET NUMBER 210
 EXPECTED YIELD 40 BUSHELS BUDGET NUMBER 210

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
CORN	BU.	2.250	40.000	90.00	
TOTAL RECEIPTS				90.00	
CASH COSTS					
CORN SEED-SC	MVK	0.550	7.080	3.89	
CORN SEED-3-WAY	MVK	0.390	2.950	1.15	
CORN SEED-DC	MVK	0.320	1.770	0.57	
NITROGEN	LBS.	0.180	35.000	6.30	
PREEMERG BROAD	ACRE	10.200	0.100	1.02	
PREEMERG BANDED	ACRE	4.500	0.150	0.67	
2,4-D	ACRE	1.000	0.350	0.35	
DICAMBA	ACRE	1.000	0.100	0.10	
CORN ROOTWORM	ACRE	6.000	0.200	1.20	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	40.000	1.20	
GRAIN DRYER	BU.	0.120	40.000	4.80	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			6.38	
MACHINERY REPAIRS	ACRE			5.07	
TOTAL CASH COSTS				38.19	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	8.468	0.72	
INTEREST ON TRACTOR INVESTMENT		0.085	20.536	1.75	
INTEREST ON EQUIPMENT INVESTMENT		0.085	64.466	5.48	
DEPRECIATION, TAXES, INSURANCE				13.23	
LABOR COST		3.300	1.941	6.41	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				48.58	
TOTAL COST PER ACRE				86.77	
NET RETURNS PER ACRE				3.23	
TOTAL COST PER UNIT OF PRODUCTION				2.17	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	85.00
ANNUAL CAPITAL	8.47
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.58
JULY-AUG	0.0
SEPT-OCT	1.36
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 7253050 11210
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 10
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 98
 PRICE VECTOR 4

CORN GRAIN CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON,
 WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES.
 EXPECTED YIELD 40 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
PRODUCTION	NUMBER OF UNITS																	
1 CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.0	0.0	2.250	0.0	2.	72.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 CORN SEED-SC	0.0	0.0	0.0	0.0	7.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.550	0.0	22.	170.	3.	0.
12 CORN SEED-3-WAY	0.0	0.0	0.0	0.0	2.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.390	0.0	22.	171.	3.	0.
13 CORN SEED-DC	0.0	0.0	0.0	0.0	1.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.320	0.0	22.	172.	3.	0.
14 NITROGEN	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
15 PREEMERG BROAD	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.200	0.0	7.	252.	3.	0.
16 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.
17 2,4-D	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	254.	3.	0.
18 DICAMBA	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	255.	3.	0.
19 CORN ROOTWORM	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.000	0.0	7.	281.	3.	0.
20 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
21 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
22 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.030	0.0	2.	438.	3.	0.
23 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.120	0.0	2.	437.	3.	0.
24 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE		
38 10-18 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	6.	38.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 CYCLOPLTR W/CH+F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	63.	4.	0.
42 8-ROW CULTIVATOR	0.0	0.0	0.0	0.0	1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	61.	4.	0.
43 SP COMBINE-CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	21.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 STALK SHREDDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	6.	94.	4.	0.
46 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 724 BY DERSHEID, AANDEKUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

CORN
 ALLEN
 03/30/77

OATS CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON,
 WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES.
 EXPECTED YIELD 40 BUSHEL

BUDGET NUMBER 220
 BUDGET NUMBER 220
 BUDGET NUMBER 220

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
OATS	BU.	1.300	40.000	52.00	
TOTAL RECEIPTS				52.00	
CASH COSTS					
OATS SEED	BU.	3.100	0.380	1.18	
OATS SEED UNC	BU.	2.750	1.870	5.14	
NITROGEN	LBS.	0.180	25.000	4.50	
PHOSPHATE	LBS.	0.120	30.000	3.60	
MCPA	ACRE	1.090	0.600	0.65	
DICAMBA	ACRE	2.000	0.350	0.70	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.000	1.000	2.00	
GRAIN STORAGE	BU.	0.030	40.000	1.20	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.28	
MACHINERY REPAIRS	ACRE			3.40	
TOTAL CASH COSTS				31.55	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.399	0.54	
INTEREST ON TRACTOR INVESTMENT		0.085	14.720	1.25	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.985	5.10	
DEPRECIATION, TAXES, INSURANCE				11.69	
LABOR COST		3.300	1.687	5.57	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				45.15	
TOTAL COST PER ACRE				76.70	
NET RETURNS PER ACRE				-24.70	
TOTAL COST PER UNIT OF PRODUCTION				1.92	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	74.70				
ANNUAL CAPITAL	6.40				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.52				
JULY-AUG	0.99				
SEPT-OCT	0.18				
NOV-DEC	0.0				

OATS CENTRAL,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON,
 WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES.
 EXPECTED YIELD 40 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
PRODUCTION					NUMBER OF UNITS													
1 OATS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.0	0.0	1.300	0.0	2.	74.	2.	0.
OPERATING INPUTS					RATE/UNIT													
													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 OATS SEED	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.100	0.0	2.	173.	3.	0.
12 OATS SEED UNC	0.0	0.0	0.0	0.0	1.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.750	0.0	2.	192.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 MCPA	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.080	0.0	7.	256.	3.	0.
16 DICAMBA	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	448.	3.	0.
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS					TIMES OVER													
													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE		
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 724 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

OATS
 ALLEN
 03/30/77

BARLEY CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON,
 WALWORTH, EDMUNDS, POTTER, FAULK, HYDE, AND HUGHES COUNTIES.
 EXPECTED YIELD 38 BUSHEL

BUDGET NUMBER 230
 BUDGET NUMBER 230
 BUDGET NUMBER 230

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
BARLEY	BU.	2.400	38.000	91.20	
TOTAL RECEIPTS				91.20	
CASH COSTS					
BARLEY SEED	BU.	5.500	0.210	1.15	
BARLEY SEED UNC	BU.	4.000	1.040	4.16	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.050	0.04	
PICLORAM + 2,4-D	ACRE	1.300	0.350	0.45	
TRIALATE	ACRE	4.250	0.350	1.49	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	38.000	1.14	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.36	
MACHINERY REPAIRS	ACRE			3.44	
TOTAL CASH COSTS				32.38	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.623	0.56	
INTEREST ON TRACTOR INVESTMENT		0.085	15.235	1.29	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.169	5.11	
DEPRECIATION, TAXES, INSURANCE				11.79	
LABOR COST		3.300	1.711	5.65	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				45.40	
TOTAL COST PER ACRE				77.79	
NET RETURNS PER ACRE				13.41	
TOTAL COST PER UNIT OF PRODUCTION				2.05	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	75.40				
ANNUAL CAPITAL	6.62				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.54				
JULY-AUG	0.99				
SEPT-OCT	0.18				
NOV-DEC	0.0				

BARLEY CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON,
 WALWORTH, EDMUNDS, POTTER, FAULK, HYDE, AND HUGHES COUNTIES.
 EXPECTED YIELD 38 BUSHEL

LINE PRODUCTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT CODE	ITEM CCDE	TYPE	CONT
1 BARLEY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.00	0.0	0.0	0.0	0.0	2.400	0.0	2.	71.	2.	0.
OPERATING INPUTS													PRICE	NUMBER UNITS	UNIT CODE	ITEM CODE	TYPE	CONT
11 BARLEY SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	174.	3.	0.
12 BARLEY SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	2.	193.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 PICLORAM + 2,4-D	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.300	0.0	7.	257.	3.	0.
17 TRIALLATE	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	259.	3.	0.
18 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
19 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
20 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
21 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
22 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.600	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER UNIT	MACH CODE	TYPE	CONT
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 724 BY JERSHEID, ANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

BARLEY
 ALLEN
 03/30/77

SPRING WHEAT CENTRAL,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL,
MCPHERSON, WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES.
EXPECTED YIELD 23 BUSHELS

BUDGET NUMBER 240
BUDGET NUMBER 240
BUDGET NUMBER 240

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
WHEAT	BU.	3.500	23.000	80.50	
TOTAL RECEIPTS				80.50	
CASH COSTS					
SP. WHEAT SEED	HU.	4.500	0.170	0.76	
WHEAT SEED UNC	BU.	3.750	0.830	3.11	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.750	0.56	
DICAMBA	ACRE	2.000	0.350	0.70	
TRIALATE	ACRE	4.250	0.350	1.49	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	23.000	0.69	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.54	
MACHINERY REPAIRS	ACRE			3.53	
TOTAL CASH COSTS				31.55	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.526	0.55	
INTEREST ON TRACTOR INVESTMENT		0.085	16.435	1.40	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.598	5.15	
DEPRECIATION,TAXES,INSURANCE				12.02	
LABOR COST		3.300	1.768	5.83	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				45.95	
TOTAL COST PER ACRE				77.50	
NET RETURNS PER ACRE				3.00	
TOTAL COST PER UNIT OF PRODUCTION				3.37	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	77.03
ANNUAL CAPITAL	6.53
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.60
JULY-AUG	0.99
SEPT-OCT	0.18
NOV-DEC	0.0

SPRING WHEAT CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL,
MCPHERSON, WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES.
EXPECTED YIELD 23 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
PRODUCTION	NUMBER OF UNITS																	
1 WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.00	0.0	0.0	0.0	0.0	3.500	0.0	2.	76.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 SP. WHEAT SEED	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	2.	175.	3.	0.
12 WHEAT SEED UNC.	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.750	0.0	2.	194.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 DICAMBA	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.
17 TRIALLATE	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	259.	3.	0.
18 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
19 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
20 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
21 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
22 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	PCWER	MACH	TYPE	CONT
															UNIT	CODE		
38 CHISEL 3PT MTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 724 BY DERSHEID, AANDERUD.
HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DUPLAND.

WHEAT
ALLEN
03/30/77

FLAX CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON,
 WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES.
 EXPECTED YIELD 8 BUSHELS

BUDGET NUMBER 260
 BUDGET NUMBER 260
 BUDGET NUMBER 260

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
FLAX	BU.	7.000	8.000	56.00	
TOTAL RECEIPTS				56.00	
CASH COSTS					
FLAX SEED	BU.	9.000	0.130	1.17	
FLAX SEED UNC	BU.	7.500	0.620	4.65	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	15.000	1.80	
MCPA	ACRE	0.810	0.500	0.40	
DALAPON	ACRE	1.500	0.350	0.52	
DIALATE	ACRE	4.250	0.250	1.06	
GRASSHOPPERS	ACRF	4.500	0.020	0.09	
CROP INSURANCE	ACRE	1.750	1.000	1.75	
GRAIN STORAGE	BU.	0.030	8.000	0.24	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.26	
MACHINERY REPAIRS	ACRE			3.39	
TOTAL CASH COSTS				28.75	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	5.939	0.50	
INTEREST ON TRACTOR INVESTMENT		0.085	14.617	1.24	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.948	5.10	
DEPRECIATION, TAXES, INSURANCE				11.67	
LABOR COST		3.300	1.682	5.55	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				45.06	
TOTAL COST PER ACRE				73.81	
NET RETURNS PER ACRE				-17.81	
TOTAL COST PER UNIT OF PRODUCTION				9.23	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	74.57				
ANNUAL CAPITAL	5.94				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.51				
JULY-AUG	0.99				
SEPT-OCT	0.18				
NOV-DEC	0.0				

FLAX CENTRAL,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON,
 WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES.
 EXPECTED YIELD 8 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT	
	NUMBER OF UNITS																		
1 FLAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.00	0.0	0.0	0.0	0.0	7.000	0.0	2.	92.	2.	0.	
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT	
													UNITS	CODE	CODE				
11 FLAX SEED	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.000	0.0	2.	176.	3.	0.	
12 FLAX SEED UNC	0.0	0.0	0.0	0.0	0.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.500	0.0	2.	195.	3.	0.	
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.	
14 PHOSPHATE	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
15 MCPA	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.810	0.0	7.	275.	3.	0.	
16 DALAPON	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	7.	258.	3.	0.	
17 DIALLATE	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	260.	3.	0.	
18 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.	
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.750	0.0	7.	449.	3.	0.	
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.	
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT	
															UNIT	CODE			
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.	
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.	
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.	
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.	
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.	
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.	
45 SPPAYER 8 ROW	0.0	0.0	0.0	0.0	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 724 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

FLAX
 ALLEN
 03/30/77

WINTER RYE CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON, BUDGET NUMBER 265
 WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES. BUDGET NUMBER 265
 EXPECTED YIELD 28 BUSHEL S BUDGET NUMBER 265

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
RYE	BU.	2.600	28.000	72.80	
TOTAL RECEIPTS				72.80	
CASH COSTS					
RYE SEED	BU.	5.500	0.170	0.93	
RYE SEED UNC	BU.	4.000	0.830	3.32	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.350	0.26	
GRASSHOPPERS	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	1.750	1.000	1.75	
GRAIN STORAGE	BU.	0.030	28.000	0.84	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.10	
MACHINERY REPAIRS	ACRE			3.31	
TOTAL CASH COSTS				27.96	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	5.591	0.48	
INTEREST ON TRACTOR INVESTMENT		0.085	13.520	1.15	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.555	5.06	
DEPRECIATION, TAXES, INSURANCE				11.46	
LABOR COST		3.300	1.630	5.38	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				44.52	
TOTAL COST PER ACRE				72.48	
NET RETURNS PER ACRE				0.32	
TOTAL COST PER UNIT OF PRODUCTION				2.59	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	73.08
ANNUAL CAPITAL	5.59
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.46
JULY-AUG	0.99
SEPT-OCT	0.18
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 7553050 11265
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 103
 PRICE VECTOR 4

WINTER RYE CENTRAL,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MCPHERSON,
 WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND HUGHES COUNTIES.
 EXPECTED YIELD 28 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT		
	NUMBER OF UNITS																			
1 RYE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.00	0.0	0.0	0.0	0.0	2.600	0.0	2.	75.	2.	0.		
OPERATING INPUTS													RATE/UNIT		PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
													UNITS	CODE	CODE					
11 RYE SEED	0.0	0.0	0.0	0.0	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	182.	3.	0.		
12 RYE SEED UNC	0.0	0.0	0.0	0.0	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	2.	198.	3.	0.		
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.		
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.		
15 2,4-D	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.		
16 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.		
17 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.750	0.0	7.	449.	3.	0.		
18 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.		
19 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.		
MACHINERY REQUIREMENTS													TIMES OVER		XXXXX	XXXXX	POWER	MACH	TYPE	CONT
													UNIT	CODE	CODE					
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.		
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.		
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.		
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.		
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.		
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.		
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.		
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.		

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 724 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

RYE
 ALLEN
 03/30/77

DURUM WHEAT CENTRAL, NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MC-PHERSON, WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND FUGHES COUNTIES.
 EXPECTED YIELD 20 BUSHELS

BUDGET NUMBER 275
 BUDGET NUMBER 275
 BUDGET NUMBER 275

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
DURUM	BU.	3.200	20.000	64.00	
TOTAL RECEIPTS				64.00	
CASH COSTS					
DURUM SEED	BU.	5.500	0.210	1.15	
DURUM SEED UNC	BU.	4.500	1.040	4.68	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.750	0.56	
TRIALATE	ACRE	4.250	0.350	1.49	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	20.000	0.60	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.54	
MACHINERY REPAIRS	ACRE			3.53	
TOTAL CASH COSTS				32.96	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.903	0.59	
INTEREST ON TRACTOR INVESTMENT		0.085	16.435	1.40	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.598	5.15	
DEPRECIATION, TAXES, INSURANCE				12.02	
LABOR COST		3.300	1.768	5.83	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				45.98	
TOTAL COST PER ACRE				78.95	
NET RETURNS PER ACRE				-14.95	
TOTAL COST PER UNIT OF PRODUCTION				3.95	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	77.03
ANNUAL CAPITAL	6.90
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.60
JULY-AUG	0.94
SEPT-OCT	0.18
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 7953C50 11275
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 104
 PRICE VECTOR 4

DURUM WHEAT CENTRAL,NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, MC-PHERSON, WALWORTH, EDMUNDS, POTTER, FAULK, SULLY, HYDE, AND FUGFES COUNTIES.
 EXPECTED YIELD 20 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
PRODUCTION	NUMBER OF UNITS																	
1 DURUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.00	0.0	0.0	0.0	0.0	3.200	0.0	2.	79.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CGNT
													UNITS	CODE	CODE			
11 DURUM SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	180.	3.	0.
12 DURUM SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	2.	197.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 TRIALLATE	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.250	0.0	7.	259.	3.	0.
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES CVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
													UNIT	UNIT	CCDE	CCDE		
38 CHISEL 3PT MID	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 724 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM GURLAND.

D WHEAT
 ALLEN
 03/30/77

ALFALFA CENTRAL NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, WALWORTH, BUDGET NUMBER 295
 POTTER, SULLY, HYDE, HUGHES AND WEST HALF OF MCPHERSON, EDMUNDS AND FAULK BUDGET NUMBER 295
 COUNTIES. EXPECTED YIELD IS 1.5 TONS. ALFALFA ESTABLISHED EVERY 8 YEARS. BUDGET NUMBER 295

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
ALFALFA HAY	TONS	35.000	1.500	52.50	
TOTAL RECEIPTS				52.50	

CASH COSTS					
ALFALFA SEED	LBS.	2.100	0.125	0.26	
PHOSPHATE	LBS.	0.120	30.000	3.60	
PEA APPLD	ACRE	4.500	0.250	1.13	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
BALE TIES	TONS	1.500	1.500	2.25	
FUEL AND LUBRICANTS	ACRE			1.85	
MACHINERY REPAIRS	ACRE			1.99	
TOTAL CASH COSTS				14.30	

FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	2.478	0.21	
INTEREST ON TRACTOR INVESTMENT		0.085	8.323	0.71	
INTEREST ON EQUIPMENT INVESTMENT		0.085	18.120	1.54	
DEPRECIATION, TAXES, INSURANCE				4.26	
LABOR COST		3.300	0.567	1.87	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				29.59	

TOTAL COST PER ACRE 43.89

NET RETURNS PER ACRE 8.61

TOTAL COST PER UNIT OF PRODUCTION 29.26

RESOURCES USED	DOLLARS
TOTAL CAPITAL	26.44
ANNUAL CAPITAL	2.48
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.49
JULY-AUG	0.07
SEPT-OCT	0.0
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 8764050 11295
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 109
 PRICE VECTOR 4

ALFALFA CENTRAL NORTH CENTRAL SOUTH DAKOTA COMPRISED OF CAMPBELL, WALWORTH,
 POTTER, SULLY, HYDE, HUGHES AND WEST HALF OF MCPHERSON, EDMUNDS AND FAULK
 COUNTIES. EXPECTED YIELD IS 1.5 TONS. ALFALFA ESTABLISHED EVERY 8 YEARS.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 ALFALFA HAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	35.000	0.0	3.	81.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 ALFALFA SEED	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.100	0.0	12.	181.	3.	0.
12 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
13 PEA APHID	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	285.	3.	0.
14 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
15 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
16 BALE TIES	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	3.	392.	3.	0.
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CCDE		
38 10-18 TS-SM PLOW	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	38.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.
41 SPIKE HARROW	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 BALER LARG ROUND	0.0	0.0	0.0	0.0	0.0	1.00	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	87.	4.	0.
44 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 724 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

ALFALFA
 ALLEN
 03/30/77

CORN SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAS. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBURN & TRIPP COUNTIES
 EXPECTED YIELD 40 BU.

BUDGET NUMBER 216
 BUDGET NUMBER 216
 BUDGET NUMBER 216

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
CORN	BU.	2.250	40.000	90.00	
TOTAL RECEIPTS				90.00	
CASH COSTS					
CORN SEED-SC	MVK	0.550	7.040	3.87	
CORN SEED-3-WAY	MVK	0.390	1.790	0.70	
CORN SEED-OC	MVK	0.320	2.120	0.68	
NITROGEN	LBS.	0.180	35.000	6.30	
PREPLANT INCORP	LBS.	9.800	0.050	0.49	
PREEMERG BROAD	ACRE	10.200	0.050	0.51	
PREEMERG BANDED	ACRE	4.500	0.400	1.80	
2,4-D	ACRE	1.000	0.400	0.40	
DICAMBA	ACRE	1.000	0.050	0.05	
CORNBORER	ACRE	9.000	0.100	0.90	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	40.000	1.20	
GRAIN DRYER	BU.	0.120	40.000	4.80	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			6.81	
MACHINERY REPAIRS	ACRE			5.32	
TOTAL CASH COSTS				39.16	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	8.359	0.71	
INTEREST ON TRACTOR INVESTMENT		0.085	23.108	1.96	
INTEREST ON EQUIPMENT INVESTMENT		0.085	65.900	5.60	
DEPRECIATION, TAXES, INSURANCE				13.81	
LABOR COST		3.300	2.063	6.81	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				49.89	
TOTAL COST PER ACRE				89.06	
NET RETURNS PER ACRE				0.94	
TOTAL COST PER UNIT OF PRODUCTION				2.23	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	89.01
ANNUAL CAPITAL	8.36
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.62
JULY-AUG	0.0
SEPT-OCT	1.44
NOV-DEC	0.0

CORN SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAS. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORN & TRIPP COUNTIES
 EXPECTED YIELD 40 BU.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.0	0.0	2.250	0.0	2.	72.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 CORN SEED-SC	0.0	0.0	0.0	0.0	7.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.550	0.0	22.	170.	3.	0.
12 CORN SEED-3-WAY	0.0	0.0	0.0	0.0	1.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.390	0.0	22.	171.	3.	0.
13 CORN SEED-DC	0.0	0.0	0.0	0.0	2.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.320	0.0	22.	172.	3.	0.
14 NITROGEN	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
15 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	12.	251.	3.	0.
16 PREEMERG BRNAD	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.200	0.0	7.	252.	3.	0.
17 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.
18 2,4-D	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	254.	3.	0.
19 DICAMBA	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	255.	3.	0.
20 CORN ROOTWORM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.000	0.0	7.	281.	3.	0.
21 CORNBORER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	9.000	0.0	7.	284.	3.	0.
22 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
23 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
24 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.030	0.0	2.	438.	3.	0.
25 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.120	0.0	2.	437.	3.	0.
37 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	PCWER	MACH	TYPE	CCNT
															UNIT	CODE		
38 10-18 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	38.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 CYCLOPLTR W/CH+P	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	6.	63.	4.	0.
42 8-ROW CULTIVATOR	0.0	0.0	0.0	0.0	0.0	2.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	61.	4.	0.
43 SP COMBINE-CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	21.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 STALK SHREDDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	6.	94.	4.	0.
46 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED CN EMC 725 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

CORN
 ALLEN
 03/30/77

OATS SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO,
 CHAS MIX, DAVISON, DOUGLAS, GREGORY, JERAOUD, LYMAN SANBORN & TRIPP COUNTIES
 EXPECTED YIELD 50 BUSHELS

BUDGET NUMBER 226
 BUDGET NUMBER 226
 BUDGET NUMBER 226

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
OATS	BU.	1.300	50.000	65.00	
TOTAL RECEIPTS				65.00	
CASH COSTS					
OATS SEED	BU.	3.100	0.420	1.30	
OATS SEED UNC	BU.	2.750	2.080	5.72	
NITROGEN	LBS.	0.180	25.000	4.50	
PHOSPHATE	LBS.	0.150	30.000	4.50	
MCPA	ACRE	1.080	0.500	0.54	
DICAMBA	ACRE	2.000	0.050	0.10	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	50.000	1.50	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.11	
MACHINERY REPAIRS	ACRE			3.33	
TOTAL CASH COSTS				33.00	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.521	0.55	
INTEREST ON TRACTOR INVESTMENT		0.085	13.744	1.17	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.862	5.09	
DEPRECIATION, TAXES, INSURANCE				11.54	
LABOR COST		3.300	1.670	5.51	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				44.86	
TOTAL COST PER ACRE				77.86	
NET RETURNS PER ACRE				-12.86	
TOTAL COST PER UNIT OF PRODUCTION				1.56	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	73.61				
ANNUAL CAPITAL	6.52				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.50				
JULY-AUG	0.99				
SEPT-OCT	0.18				
NOV-DEC	0.0				

OATS SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO,
 CHAS MIX, DAVISCN, DOUGLAS, GREGORY, JERAULD, LYMAN SANBORN & TRIPP COUNTIES
 EXPECTED YIELD 50 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
PRODUCTION	NUMBER OF UNITS																	
1 OATS	0.0	0.0	0.0	0.0	0.0	0.0	50.00	0.0	0.0	0.0	0.0	0.0	1.300	0.0	2.	74.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 OATS SEED	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.100	0.0	2.	173.	3.	0.
12 OATS SEED UNC	0.0	0.0	0.0	0.0	2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.750	0.0	2.	192.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.150	0.0	12.	214.	3.	0.
15 MCPA	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	1.080	0.0	7.	256.	3.	0.
16 DICAMBA	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.
17 ARMYWORM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES CVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE		
38 CHISEL 3PT MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 725 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

OATS
 ALLEN
 03/30/77

BARLEY SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAS. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORNE & TRIPP COUNTIES
 EXPECTED YIELD 34 BU.

BUDGET NUMBER 236
 BUDGET NUMBER 236
 BUDGET NUMBER 236

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
BARLEY	BU.	2.400	34.000	81.60	
TOTAL RECEIPTS				81.60	
CASH COSTS					
BARLEY SEED	BU.	5.500	0.210	1.15	
BARLEY SEED UNC	BU.	4.000	1.040	4.16	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.150	30.000	4.50	
2,4-D	ACRE	0.750	0.750	0.56	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	34.000	1.02	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.84	
MACHINERY REPAIRS	ACRE			3.24	
TOTAL CASH COSTS				31.03	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.356	0.54	
INTEREST ON TRACTOR INVESTMENT		0.085	12.390	1.05	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.923	5.09	
DEPRECIATION, TAXES, INSURANCE				11.37	
LABOR COST		3.300	1.678	5.54	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				44.59	
TOTAL COST PER ACRE				75.63	
NET RETURNS PER ACRE				5.97	
TOTAL COST PER UNIT OF PRODUCTION				2.22	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	72.31
ANNUAL CAPITAL	6.36
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.51
JULY-AUG	0.99
SEPT-OCT	0.18
NOV-DEC	0.0

BARLEY SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAS. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORNE TRIPP COUNTIES
 EXPECTED YIELD 34 BU.

LINE	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	13 PRICE	14 WEIGHT	15 UNIT CODE	16 ITEM CODE	17 TYPE	18 CONT
PRODUCTION	NUMBER OF UNITS																	
1 BARLEY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.00	0.0	0.0	0.0	0.0	2.400	0.0	2.	71.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER UNITS	UNIT CODE	ITEM CODE	TYPE	CONT
11 BARLEY SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	174.	3.	0.
12 BARLEY SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	2.	193.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.150	0.0	12.	214.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 ARMYWORM	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
17 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
18 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
19 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
20 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	PCWER UNIT CODE	MACH CODE	TYPE	CONT
38 CHISEL 3PT MTU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	45.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	50.	4.	0.
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	67.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 725 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

BARLEY
 ALLEN
 03/30/77

SPRING WHEAT SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAR. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN SANBORN, & TRIPP COUNTIES
 EXPECTED YIELD 23 BUSHELS.

BUDGET NUMBER 246
 BUDGET NUMBER 246
 BUDGET NUMBER 246

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
WHEAT	BU.	3.500	23.000	80.50	
TOTAL RECEIPTS				80.50	
CASH COSTS					
SP. WHEAT SEED	BU.	4.500	0.210	0.94	
WHEAT SEED UNC	BU.	3.750	1.040	3.90	
NITROGEN	LBS.	0.180	25.000	4.50	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.750	0.56	
DICAMBA	ACRE	2.000	0.050	0.10	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	23.000	0.69	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.71	
MACHINERY REPAIRS	ACRE			3.20	
TOTAL CASH COSTS				28.61	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	5.893	0.50	
INTEREST ON TRACTOR INVESTMENT		0.085	11.189	0.95	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.836	5.17	
DEPRECIATION, TAXES, INSURANCE				11.36	
LABOR COST		3.300	1.622	5.35	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				44.34	
TOTAL COST PER ACRE				72.94	
NET RETURNS PER ACRE				7.56	
TOTAL COST PER UNIT OF PRODUCTION				3.17	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	72.02
ANNUAL CAPITAL	5.89
ACRES CF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.51
JULY-AUG	0.99
SEPT-OCT	0.12
NOV-DEC	0.0

SPRING WHEAT SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAR. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN SANBORN, & TRIPP COUNTIES
 EXPECTED YIELD 23 BUSHEL.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT	
PRODUCTION					NUMBER OF UNITS														
1 WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.00	0.0	0.0	0.0	0.0	3.500	0.0	2.	76.	2.	0.	
OPERATING INPUTS					RATE/UNIT								PRICE	NUMBER	UNIT	ITEM	TYPE	CONT	
														UNITS	CODE	CODE			
11 SP. WHEAT SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	2.	175.	3.	0.	
12 WHEAT SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.750	0.0	2.	194.	3.	0.	
13 NITROGEN	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.	
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
15 2,4-D	0.0	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.	
16 DICAMBA	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.	
17 ARMYWORM	0.0	0.0	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.	
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.	
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.	
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.	
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
MACHINERY REQUIREMENTS					TIMES OVER								XXXXX	XXXXX	POWER	MACH	TYPE	CONT	
															UNIT	CODE			
38 CHISEL 3PT MTD	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	6.	45.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.	
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	50.	4.	0.	
41 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	67.	4.	0.	
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.	
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.	
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.	
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 725 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM GURLAND.

SP WHEAT
 ALLEN
 03/30/77

SORGHUM SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO,
 CHAS. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORN & TRIPP CCUNITIES
 EXPECTED YIELD 35 BU.

BUDGET NUMBER 286
 BUDGET NUMBER 286
 BUDGET NUMBER 286

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
GRAIN SCRGHUM	BU.	2.300	35.000	80.50	
TOTAL RECEIPTS				80.50	

CASH COSTS					
SORGHUM SEED	LBS.	0.420	4.000	1.68	
NITROGEN	LBS.	0.180	35.000	6.30	
PREEMERG BANDED	ACRE	4.500	0.250	1.13	
2,4-D	ACRE	0.750	0.400	0.30	
GREENBUGS	ACRE	4.500	0.500	2.25	
CORN LEAF APHID	ACRE	4.500	0.500	2.25	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	35.000	1.05	
GRAIN DRYER	BU.	0.120	35.000	4.20	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			6.61	
MACHINERY REPAIRS	ACRE			5.07	
TOTAL CASH COSTS				36.33	

FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	11.341	0.96	
INTEREST ON TRACTOR INVESTMENT		0.085	22.507	1.95	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.891	5.09	
DEPRECIATION, TAXES, INSURANCE				12.77	
LABOR CCST		3.300	2.208	7.29	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				49.06	

TOTAL COST PER ACRE 85.39

NET RETURNS PER ACRE -4.89

TOTAL COST PER UNIT OF PRODUCTION 2.44

RESOURCES USED	DOLLARS
TOTAL CAPITAL	82.80
ANNUAL CAPITAL	11.34
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	1.10
JULY-AUG	0.27
SEPT-OCT	0.85
NOV-DEC	0.0

SORGHUM SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO,
 CHAS. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORN & TRIPP COUNTIES
 EXPECTED YIELD 35 BU.

LINE	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	13 PRICE	14 WEIGHT	15 UNIT	16 ITEM CODE	17 TYPE	18 CONT	
					NUMBER OF UNITS														
PRODUCTION																			
1 GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.00	0.0	0.0	2.300	0.0	2.	77.	2.	0.	
					RATE/UNIT														
OPERATING INPUTS													PRICE	NUMBER UNITS	UNIT CODE	ITEM CODE	TYPE	CONT	
11 SORGHUM SEED	0.0	0.0	0.0	0.0	4.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.420	0.0	12.	178.	3.	0.	
12 NITROGEN	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.	
13 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.	
14 2,4-D	0.0	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.	
15 GREENBUGS	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	286.	3.	0.	
16 CORN LEAF APHID	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	287.	3.	0.	
17 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.	
18 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.	
19 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.120	0.0	2.	437.	3.	0.	
20 CROP OVERHEAD	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
					TIMES OVER														
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER UNIT	MACH CODE	TYPE	CONT	
38 10-18 TS-SM PLCW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	38.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.	
40 PLANER 4ROW W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	64.	4.	0.	
41 4-ROW CULTIVATOR	0.0	0.0	0.0	0.0	0.75	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	59.	4.	0.	
42 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	18.	4.	0.	
43 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.	
44 SPRAYER 8 ROW	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	4.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 725 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM CURLAND.

SORGHUM
 ALLEN
 03/30/77

WINTER WHEAT SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAS. MIX. DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORN, & TRIPP COUNTIES
 EXPECTED YIELD 32 BU.

BUDGET NUMBER 256
 BUDGET NUMBER 256
 BUDGET NUMBER 256

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
WINTER WHEAT	BU.	3.200	32.000	102.40	
TOTAL RECEIPTS				102.40	

CASH COSTS					
WINTER WHT SEED	BU.	3.750	1.040	3.90	
W. WHT SEED, UNC	BU.	4.500	0.210	0.94	
NITROGEN	LBS.	0.180	10.000	1.80	
PHOSPHATE	LBS.	0.120	15.000	1.80	
2,4-D	ACRE	0.750	0.380	0.28	
GREENBUGS	ACRE	4.500	1.000	4.50	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP INSURANCE	ACRE	2.500	0.500	1.25	
GRAIN STORAGE	BU.	0.030	16.000	0.48	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.60	
MACHINERY REPAIRS	ACRE			3.13	
TOTAL CASH COSTS				25.91	

FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	13.849	1.18	
INTEREST ON TRACTOR INVESTMENT		0.085	10.381	0.88	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.443	5.14	
DEPRECIATION, TAXES, INSURANCE				11.19	
LABOR COST		3.300	1.570	5.18	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				44.57	

TOTAL COST PER ACRE 70.48

NET RETURNS PER ACRE 31.92

TOTAL COST PER UNIT OF PRODUCTION 2.20

RESOURCES USED	DOLLARS
TOTAL CAPITAL	70.82
ANNUAL CAPITAL	13.85
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.46
JULY-AUG	0.99
SEPT-OCT	0.12
NOV-DEC	0.0

WINTER WHEAT SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAS. MIX. DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORN, & TRIPP COUNTIES
 EXPECTED YIELD 32 BU.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 WINTER WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	32.00	0.0	0.0	0.0	0.0	0.0	3.200	0.0	2.	69.	2.	0.
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
	RATE/UNIT													UNITS	CODE	CODE		
11 WINTER WHT SEED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	3.750	0.0	2.	190.	3.	0.
12 W. WHT SEED, UNC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	4.500	0.0	2.	191.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.0	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 GREENBUGS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	4.500	0.0	7.	286.	3.	0.
17 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
18 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.
19 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
20 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
	TIMES CVER														UNIT	CODE		
38 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.
39 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	50.	4.	0.
40 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	67.	4.	0.
41 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
42 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
43 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
44 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 725 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

W. WHEAT
 ALLEN
 03/30/77

SOYBEANS SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAS. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORN & TRIPP COUNTIES
 EXPECTED YIELD 15 BUSHELS.

BUDGET NUMBER 276
 BUDGET NUMBER 276
 BUDGET NUMBER 276

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
SOYBEAN SEED	BU.	9.500	15.000	142.50	
TOTAL RECEIPTS				142.50	
CASH COSTS					
SOYBEAN SEED	BU.	9.500	1.000	9.50	
NITROGEN	LBS.	0.180	6.000	1.08	
PHOSPHATE	LBS.	0.120	18.000	2.16	
PRI. PLANT INCORP	ACRE	9.800	0.500	4.90	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	ACRE	0.030	15.000	0.45	
GRAIN DRYER	ACRE	0.120	15.000	1.80	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.11	
MACHINERY REPAIRS	ACRE			3.40	
TOTAL CASH COSTS				34.13	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	16.349	1.39	
INTEREST ON TRACTOR INVESTMENT		0.085	17.338	1.47	
INTEREST ON EQUIPMENT INVESTMENT		0.085	51.580	4.38	
DEPRECIATION, TAXES, INSURANCE				10.65	
LABOR COST		3.300	1.960	6.47	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				45.36	
TOTAL COST PER ACRE				79.49	
NET RETURNS PER ACRE				63.01	
TOTAL COST PER UNIT OF PRODUCTION				5.30	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	68.92				
ANNUAL CAPITAL	16.35				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	1.00				
JULY-AUG	0.11				
SEPT-OCT	0.85				
NOV-DEC	0.0				

SOYBEANS SOUTH CENTRAL SOUTH DAKOTA COMPRISING AURORA, BRULE, BUFFALO
 CHAS. MIX, DAVISON, DOUGLAS, GREGORY, JERAULD, LYMAN, SANBORN & TRIPP COUNTIES
 EXPECTED YIELD 15 BUSHELS.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT	
PRODUCTION	NUMBER OF UNITS																		
1 SOYBEAN SEED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	0.0	0.0	9.500	0.0	2.	177.	2.	0.	
OPERATING INPUTS	RATE/UNIT																		
														PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
															UNITS	CODE	CODE		
11 SOYBEAN SEED	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.500	0.0	2.	177.	3.	0.	
12 NITROGEN	0.0	0.0	0.0	0.0	6.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.	
13 PHOSPHATE	0.0	0.0	0.0	0.0	18.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
14 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	7.	251.	3.	0.	
15 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.	
16 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.	
17 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.030	0.0	7.	438.	3.	0.	
18 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.120	0.0	7.	437.	3.	0.	
19 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
MACHINERY REQUIREMENTS	TIMES OVER																		
														XXXXX	XXXXX	POWER	MACH	TYPE	CONT
																UNIT	CODE		
38 6-16 TS-SM PLOW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	35.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.	
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.	
41 CYCLOPLANTR W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	62.	4.	0.	
42 SPIKE HARROW	0.0	0.0	0.0	0.0	0.50	0.50	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	50.	4.	0.	
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	18.	4.	0.	
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.	
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.0	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.	

THIS BUDGET PREPARED BY ZELMAN BASED ON EMC 725 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

SOYBEANS
 ALLEN
 03/30/77

ALFALFA SOUTH CENTRAL SOUTH DAKOTA COMPRISES OF LYMAN, BUFFALO, JERAULD,
 SANBORN, BRULE, AURORA, DAVISION, TRIPP, GREGORY, CHAS. MIX & DOUGLAS COUNTIES
 EXPECTED YIELD 1.5 TONS. ALFALFA ESTABLISHED EVERY 5 YEARS.

BUDGET NUMBER 296
 BUDGET NUMBER 296
 BUDGET NUMBER 296

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
ALFALFA HAY	LBS.	35.000	1.500	52.50	
TOTAL RECEIPTS				52.50	
CASH COSTS					
ALFALFA SEED	LBS.	2.100	1.200	2.52	
PHOSPHATE	LBS.	0.120	30.000	3.60	
PEA APHID	ACRE	4.500	0.250	1.13	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
BALE TIES	TONS	1.500	1.500	2.25	
FUEL AND LUBRICANTS	ACRE			1.95	
MACHINERY REPAIRS	ACRE			2.46	
TOTAL CASH COSTS				17.13	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	2.141	0.18	
INTEREST ON TRACTOR INVESTMENT		0.085	8.370	0.71	
INTEREST ON EQUIPMENT INVESTMENT		0.085	23.055	1.96	
DEPRECIATION, TAXES, INSURANCE				5.12	
LABOR COST		3.300	0.713	2.35	
LAND CHARGE		0.070	300.000	21.00	
TOTAL FIXED COSTS				31.33	
TOTAL COST PER ACRE				48.46	
NET RETURNS PER ACRE				4.04	
TOTAL COST PER UNIT OF PRODUCTION				32.31	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	31.43
ANNUAL CAPITAL	2.14
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.53
JULY-AUG	0.19
SEPT-OCT	0.0
NOV-DEC	0.0

ALFALFA SOUTH CENTRAL SCUTH DAKOTA COMPRISES OF LYMAN, BUFFALO, JERAULD,
 SANBORN, BRULE, AURORA, DAVISION, TRIPP, GREGORY, CHAS. MIX & DUUGLAS COUNTIES
 EXPECTED YIELD 1.5 TONS. ALFALFA ESTABLISHED EVERY 5 YEARS.

LINE	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	13 PRICE	14 WEIGHT	15 UNIT CODE	16 ITEM CODE	17 TYPE	18 CONT	
PRODUCTION																			
1 ALFALFA HAY	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	35.000	0.0	12.	81.	2.	0.	
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT	
														UNITS	CODE	CODE			
11 ALFALFA SEED	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.100	0.0	12.	181.	3.	0.	
12 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
13 PEA APHID	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	285.	3.	0.	
14 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.	
15 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
16 BALE TIES	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	3.	392.	3.	0.	
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT	
															UNIT	CODE			
38 10-18 TS-SM PLOW	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	38.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	42.	4.	0.	
40 DRILL 2/12FT W/F	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	67.	4.	0.	
41 SPIKE HARROW	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.	50.	4.	0.	
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.	
43 BALER LARG ROUND	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	87.	4.	0.	
44 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 725 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

ALFALFA
 ALLEN
 03/30/77

CORN GRAIN WEST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE,
HANSON, MCCOOK, HUTCHINSON, AND BGN HOMME COUNTIES.
EXPECTED YIELD 55 BUSHEL S

BUDGET NUMBER 210
BUDGET NUMBER 210
BUDGET NUMBER 210

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
CORN	BU.	2.250	55.000	123.75	
TOTAL RECEIPTS				123.75	
CASH COSTS					
CORN SEED-SC	MVK	0.550	9.840	5.41	
CORN SEED-3-WAY	MVK	0.390	4.100	1.60	
CORN SEED-DC	MVK	0.320	2.460	0.79	
NITROGEN	LBS.	0.180	55.000	9.90	
PHOSPHATE	LBS.	0.120	30.000	3.60	
PREPLANT INCORP	ACRE	9.800	0.100	0.98	
PREEMERG BRDAD	ACRE	10.200	0.150	1.53	
PREEMERG BANDED	ACRE	4.500	0.500	2.25	
2,4-D	ACRE	1.000	0.250	0.25	
DICAMBA	ACRE	1.000	0.100	0.10	
CORN ROOTWORM	ACRF	6.000	0.500	3.00	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CROP INSURANCE	ACRE	3.000	1.000	3.00	
GRAIN STORAGE	BU.	0.030	55.000	1.65	
GRAIN DRYER	BU.	0.120	55.000	6.60	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			6.32	
MACHINERY REPAIRS	ACRE			4.31	
TOTAL CASH COSTS				54.37	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	14.680	1.25	
INTEREST ON TRACTOR INVESTMENT		0.085	24.515	2.08	
INTEREST ON EQUIPMENT INVESTMENT		0.085	61.228	5.20	
DEPRECIATION, TAXES, INSURANCE				13.22	
LABOR COST		3.300	2.545	8.40	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				63.40	
TOTAL COST PER ACRE				117.77	
NET RETURNS PER ACRE				5.98	
TOTAL COST PER UNIT OF PRODUCTION				2.14	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	85.74
ANNUAL CAPITAL	14.68
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	1.02
JULY-AUG	0.0
SEPT-OCT	1.52
NOV-DEC	0.0

CORN GRAIN WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE,
HANSON, MCCOOK, HUTCHINSON, AND BON HOMME COUNTIES.
EXPECTED YIELD 55 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	0.0	0.0	2.250	0.0	2.	72.	2.	0.
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
	RATE/UNIT													UNITS	CODE	CODE		
11 CORN SEED-SC	0.0	0.0	0.0	0.0	9.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.550	0.0	22.	170.	3.	0.
12 CORN SEED-3-WAY	0.0	0.0	0.0	0.0	4.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.390	0.0	22.	171.	3.	0.
13 CORN SEED-DC	0.0	0.0	0.0	0.0	2.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.320	0.0	22.	172.	3.	0.
14 NITROGEN	0.0	0.0	0.0	0.0	55.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
15 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
16 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	7.	251.	3.	0.
17 PREEMERG BROAD	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.200	0.0	7.	252.	3.	0.
18 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.
19 2,4-D	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	254.	3.	0.
20 DICAMBA	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	255.	3.	0.
21 CORN ROOTWORM	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.000	0.0	7.	281.	3.	0.
22 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
23 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	446.	3.	0.
24 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	0.0	0.0	0.030	0.0	2.	438.	3.	0.
25 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	0.0	0.0	0.120	0.0	2.	437.	3.	0.
26 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
	TIMES OVER														UNIT	CODE		
38 6-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	35.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 CYCLOPLANTR W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	62.	4.	0.
42 4-ROW CULTIVATOR	0.0	0.0	0.0	0.0	1.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	59.	4.	0.
43 SP COMBINE-CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	21.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 STALK SHREDDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	94.	4.	0.
46 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 721 BY DERSHEID, AANDERUD.
HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

CORN
ALLEN
03/30/77

OATS WEST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE, HANSON,
 MCCOOK, HUTCHINSON, AND BGN HOMME COUNTIES.
 EXPECTED YIELD 55 BUSHEL

BUDGET NUMBER 220
 BUDGET NUMBER 220
 BUDGET NUMBER 220

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
OATS	BU.	1.300	55.000	71.50	
TOTAL RECEIPTS				71.50	
CASH COSTS					
OATS SEED	BU.	3.100	0.420	1.30	
OATS SEED UNC	BU.	2.750	2.080	5.72	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	30.000	3.60	
MCPA	ACRE	1.080	0.600	0.65	
DICAMBA	ACRE	2.000	0.100	0.20	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	55.000	1.65	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.03	
MACHINERY REPAIRS	ACRE			3.51	
TOTAL CASH COSTS				33.21	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.700	0.57	
INTEREST ON TRACTOR INVESTMENT		0.085	14.465	1.23	
INTEREST ON EQUIPMENT INVESTMENT		0.085	61.004	5.19	
DEPRECIATION, TAXES, INSURANCE				11.92	
LABOR COST		3.300	1.920	6.34	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				58.39	
TOTAL COST PER ACRE				91.61	
NET RETURNS PER ACRE				-20.11	
TOTAL COST PER UNIT OF PRODUCTION				1.67	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	75.47				
ANNUAL CAPITAL	6.70				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.68				
JULY-AUG	0.99				
SEPT-CCT	0.25				
NOV-DEC	0.0				

BUDGET IDENTIFICATION NUMBER 7444020 11220
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 78
 PRICE VECTOR 4

OATS WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE, HANSON,
 MCCOOK, HUTCHINSON, AND BON HOMME COUNTIES.
 EXPECTED YIELD 55 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT				
	NUMBER OF UNITS																					
1 OATS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	0.0	0.0	0.0	0.0	1.300	0.0	2.	74.	2.	0.				
OPERATING INPUTS																						
	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT				
														UNITS	CODE	CODE						
11 OATS SEED	0.0	0.0	0.0	0.0	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.100	0.0	2.	173.	3.	0.				
12 OATS SEED UNC	0.0	0.0	0.0	0.0	2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.750	0.0	2.	192.	3.	0.				
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.				
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.				
15 MCPA	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.080	0.0	7.	256.	3.	0.				
16 DICAMBA	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.				
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.				
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.				
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.				
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.				
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.				
MACHINERY REQUIREMENTS																						
	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT				
															UNIT	CODE						
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.				
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.				
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.				
41 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.				
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.				
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.				
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.				
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.				

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 721 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

OATS
 ALLEN
 03/30/77

BARLEY WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE, HANSON,
MCCOOK, HUTCHINSON, AND BCN HOMME COUNTIES.
EXPECTED YIELD 37 BUSHELS

BUDGET NUMBER 230
BUDGET NUMBER 230
BUDGET NUMBER 230

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
BARLEY	BU.	2.400	37.000	88.80	
TOTAL RECEIPTS				88.80	
CASH COSTS					
BARLEY SEED	BU.	5.500	0.210	1.15	
BARLEY SEED UNC	BU.	4.000	1.040	4.16	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.650	0.49	
PICLORAM + 2,4-D	ACRE	1.300	0.100	0.13	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHIC	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	37.000	1.11	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.09	
MACHINERY REPAIRS	ACRE			3.54	
TOTAL CASH COSTS				30.82	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.237	0.53	
INTEREST ON TRACTOR INVESTMENT		0.085	14.844	1.26	
INTEREST ON EQUIPMENT INVESTMENT		0.085	61.188	5.20	
DEPRECIATION,TAXES,INSURANCE				11.90	
LABOR COST		3.300	1.944	6.42	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				58.56	
TOTAL COST PER ACRE				89.38	
NET RETURNS PER ACRE				-0.58	
TOTAL COST PER UNIT OF PRODUCTION				2.42	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	76.03				
ANNUAL CAPITAL	6.24				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.70				
JULY-AUG	0.99				
SEPT-OCT	0.25				
NOV-DEC	0.0				

BARLEY WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE, HANSON,
 MCCOOK, HUTCHINSON, AND BON HOMME COUNTIES.
 EXPECTED YIELD 37 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT		
PRODUCTION	NUMBER OF UNITS																			
1 BARLEY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.00	0.0	0.0	0.0	0.0	2.400	0.0	2.	71.	2.	0.		
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT		
	UNITS CODE																			
11 BARLEY SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	174.	3.	0.		
12 BARLEY SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	2.	193.	3.	0.		
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.		
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.		
15 2,4-D	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.		
16 PICLORAM + 2,4-D	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.300	0.0	7.	257.	3.	0.		
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.		
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.		
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.		
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.		
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.		
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT		
	UNIT CODE																			
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.		
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.		
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.		
41 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.		
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.		
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.		
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.		
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.		

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 721 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

BARLEY
 ALLEN
 03/30/77

SPRING WHEAT WEST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE,
HANSON, MCCOOK, HUTCHINSON, AND BCN HOMME COUNTIES.
EXPECTED YIELD 25 BUSHELS

BUDGET NUMBER 240
BUDGET NUMBER 240
BUDGET NUMBER 240

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
WHEAT	BU.	3.500	25.000	87.50	
TOTAL RECEIPTS				87.50	
CASH COSTS					
SP. WHEAT SEED	BU.	4.500	0.210	0.94	
WHEAT SEED UNC	BU.	3.750	1.040	3.90	
NITROGEN	LBS.	0.180	30.000	5.40	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.750	0.56	
DICAMBA	ACRE	2.000	0.100	0.20	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	25.000	0.75	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.09	
MACHINERY REPAIRS	ACRE			3.54	
TOTAL CASH COSTS				30.14	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.156	0.52	
INTEREST ON TRACTOR INVESTMENT		0.085	14.844	1.26	
INTEREST ON EQUIPMENT INVESTMENT		0.085	61.188	5.20	
DEPRECIATION, TAXES, INSURANCE				11.90	
LABOR COST		3.300	1.944	6.42	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				58.56	
TOTAL COST PER ACRE				88.69	
NET RETURNS PER ACRE				-1.19	
TOTAL COST PER UNIT OF PRODUCTION				3.55	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	76.03
ANNUAL CAPITAL	6.16
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.70
JULY-AUG	0.99
SEPT-OCT	0.25
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 7644020 11240
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 80
 PRICE VECTOR 4

SPRING WHEAT WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE,
 HANSON, MCCOOK, HUTCHINSON, AND BROWN HOMME COUNTIES.
 EXPECTED YIELD 25 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT			
	NUMBER OF UNITS																				
1 WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.0	3.500	0.0	2.	76.	2.	0.			
OPERATING INPUTS				RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE					
11 SP. WHEAT SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	2.	175.	3.	0.			
12 WHEAT SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.750	0.0	2.	194.	3.	0.			
13 NITROGEN	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.			
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.			
15 2,4-D	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.			
16 DICAMBA	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.			
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.			
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.			
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.			
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.			
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.			
MACHINERY REQUIREMENTS				TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE					
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.			
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.			
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.			
41 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.			
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.			
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	3.	18.	4.	0.			
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.			
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.			

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 721 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

WHEAT
 ALLEN
 03/30/77

FLAX WEST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE, HANSON,
 MCCOOK, FUTCHINSON, AND BORN HOMME COUNTIES.
 EXPECTED YIELD 14 BUSHEL

BUDGET NUMBER 260
 BUDGET NUMBER 260
 BUDGET NUMBER 260

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
FLAX	BU.	7.000	14.000	98.00	
TOTAL RECEIPTS				98.00	
CASH COSTS					
FLAX SEED	BU.	9.000	0.210	1.89	
FLAX SEED UNC	BU.	7.500	1.040	7.80	
NITROGEN	LBS.	0.180	35.000	6.30	
PHOSPHATE	LBS.	0.120	15.000	1.80	
MCPA	ACRE	0.810	0.500	0.40	
DALAPON	ACRE	1.500	0.450	0.67	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	14.000	0.42	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.93	
MACHINERY REPAIRS	ACRE			3.45	
TOTAL CASH COSTS				33.02	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.958	0.59	
INTEREST ON TRACTOR INVESTMENT		0.085	13.758	1.17	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.661	5.16	
DEPRECIATION, TAXES, INSURANCE				11.67	
LABOR COST		3.300	1.874	6.19	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				58.03	
TOTAL COST PER ACRE				91.04	
NET RETURNS PER ACRE				6.96	
TOTAL COST PER UNIT OF PRODUCTION				6.50	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL		74.42			
ANNUAL CAPITAL		6.96			
ACRES OF LAND		1.00			
LABOR	HOURS				
MAR-APRIL		0.0			
MAY-JUNE		0.63			
JULY-AUG		0.99			
SEPT-OCT		0.25			
NOV-DEC		0.0			

BUDGET IDENTIFICATION NUMBER 9244020 11260
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 81
 PRICE VECTOR 4

FLAX WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE, HANSON,
 MCCOOK, HUTCHINSON, AND BON HOMME COUNTIES.
 EXPECTED YIELD 14 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 FLAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.00	0.0	0.0	0.0	0.0	7.000	0.0	2.	92.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 FLAX SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.000	0.0	2.	176.	3.	0.
12 FLAX SEED UNC	0.0	0.0	0.0	0.0	1.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.500	0.0	2.	195.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	35.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 MCPA	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.810	0.0	7.	275.	3.	0.
16 DALAPON	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	7.	258.	3.	0.
17 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
18 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
19 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
20 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	PCWER	MACH	TYPE	CONT
															UNIT	CODE		
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 721 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

FLAX
 ALLEN
 03/30/77

SOYBEANS WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE,
HANSON, MCCOOK, HUTCHINSON, AND BGN HCMME COUNTIES.
EXPECTED YIELD 19 BUSHELS

BUDGET NUMBER 270
BUDGET NUMBER 270
BUDGET NUMBER 270

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
SOYBEANS	BU.	5.500	19.000	104.50	
TOTAL RECEIPTS				104.50	
CASH COSTS					
SOYBEAN SEED	BU.	9.500	1.000	9.50	
PREPLANT INCORP	ACRE	9.800	0.900	8.82	
NITROGEN	LBS.	0.180	6.000	1.08	
PHOSPHATE	LBS.	0.120	18.000	2.16	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	19.000	0.57	
GRAIN DRYER	BU.	0.120	19.000	2.28	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.79	
MACHINERY REPAIRS	ACRE			3.30	
TOTAL CASH COSTS				37.97	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	10.614	0.90	
INTEREST ON TRACTOR INVESTMENT		0.085	14.134	1.20	
INTEREST ON EQUIPMENT INVESTMENT		0.085	53.378	4.54	
DEPRECIATION,TAXES,INSURANCE				10.52	
LABOR COST		3.300	1.754	5.79	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				56.20	
TOTAL COST PER ACRE				94.18	
NET RETURNS PER ACRE				10.32	
TOTAL COST PER UNIT OF PRODUCTION				4.96	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	67.51
ANNUAL CAPITAL	10.61
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.56
JULY-AUG	0.0
SEPT-OCT	1.19
NOV-DEC	0.0

SOYBEANS WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE,
 HANSON, MCCOOK, HUTCHINSON, AND BGN HOMME COUNTIES.
 EXPECTED YIELD 19 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT	
PRODUCTION																			
1 SOYBEANS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.00	0.0	0.0	0.0	5.500	0.0	2.	98.	2.	0.	
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT	
														UNITS	CODE	CODE			
11 SOYBEAN SEED	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.500	0.0	2.	177.	3.	0.	
12 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	7.	251.	3.	0.	
13 NITROGEN	0.0	0.0	0.0	0.0	6.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.	
14 PHOSPHATE	0.0	0.0	0.0	0.0	18.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
15 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.	
16 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.	
17 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.00	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.	
18 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.00	0.0	0.0	0.0	0.120	0.0	2.	437.	3.	0.	
19 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CGNT	
															UNIT	CODE			
38 6-16 TS-SM PLCW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	35.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.	
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.	
41 CYCLOPLTR W/CH+P	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	63.	4.	0.	
42 8-ROW CULTIVATOR	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	61.	4.	0.	
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.	
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.	
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 721 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

SOYBEANS
 ALLEN
 03/30/77

GRAIN SORGHUM WEST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE,
HANSON, MCCOOK, HUTCHINSON, AND BON HOMME COUNTIES.
EXPECTED YIELD 44 BUSHELS

BUDGET NUMBER 280
BUDGET NUMBER 280
BUDGET NUMBER 280

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
GRAIN SORGHUM	BU.	2.300	44.000	101.20	
TOTAL RECEIPTS				101.20	
CASH COSTS					
SORGHUM SEED	LBS.	0.420	4.000	1.68	
NITROGEN	LBS.	0.180	45.000	8.10	
PHOSPHATE	LBS.	0.120	30.000	3.60	
PREEMERG BANDED	ACRE	4.500	0.200	0.90	
2,4-D	ACRE	0.750	0.150	0.11	
GREENBUGS	ACRE	4.500	0.500	2.25	
CORN LEAF APHID	ACRE	4.500	0.500	2.25	
CROP INSURANCE	ACRE	2.000	1.000	2.00	
GRAIN STORAGE	BU.	0.030	44.000	1.32	
GRAIN DRYER	BU.	0.120	44.000	5.28	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.32	
MACHINERY REPAIRS	ACRE			3.54	
TOTAL CASH COSTS				39.36	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	9.845	0.84	
INTEREST ON TRACTOR INVESTMENT		0.085	18.446	1.57	
INTEREST ON EQUIPMENT INVESTMENT		0.085	52.970	4.50	
DEPRECIATION, TAXES, INSURANCE				11.02	
LABOR COST		3.300	2.031	6.70	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				57.88	
TOTAL COST PER ACRE				97.24	
NET RETURNS PER ACRE				3.96	
TOTAL COST PER UNIT OF PRODUCTION				2.21	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	71.42
ANNUAL CAPITAL	9.85
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.84
JULY-AUG	0.0
SEPT-OCT	1.19
NOV-DEC	0.0

GRAIN SORGHUM WEST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE,
 HANSON, MCCOOK, HUTCHINSON, AND BON HOMME COUNTIES.
 EXPECTED YIELD 44 BUSHELS

LINE	1 JAN	2 FEB	3 MAR	4 APR	5 MAY	6 JUN	7 JUL	8 AUG	9 SEP	10 OCT	11 NOV	12 DEC	13 PRICE	14 WEIGHT	15 UNIT CODE	16 ITEM CODE	17 TYPE	18 CONT
PRODUCTION	NUMBER OF UNITS																	
1 GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.00	0.0	0.0	0.0	2.300	0.0	2.	77.	2.	0.
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER UNITS	UNIT CODE	ITEM CODE	TYPE	CONT
11 SORGHUM SEED	0.0	0.0	0.0	0.0	4.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.420	0.0	12.	178.	3.	0.
12 NITROGEN	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
13 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
14 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 GREENBUGS	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	286.	3.	0.
17 CORN LEAF APHID	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	287.	3.	0.
18 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	448.	3.	0.
19 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.00	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
20 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.00	0.0	0.0	0.0	0.120	0.0	2.	437.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	POWER UNIT	MACH CODE	TYPE	CONT
38 6-16 TS-SM PLGW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	35.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 CYCLOPLANTR W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	62.	4.	0.
42 4-ROW CULTIVATOR	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	59.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	1.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 721 BY DERSHEID,AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

SORGHUM
 ALLEN
 03/30/77

ALFALFA WEST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE, HANSON,
 MCCOOK, HUTCHINSON, BON HOMME AND THE WEST HALF OF YANKTON COUNTIES.
 EXPECTED YIELD IS 2.6 TONS. ALFALFA ESTABLISHED FVERY 3 YEARS.

BUDGET NUMBER 292
 BUDGET NUMBER 292
 BUDGET NUMBER 292

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
ALFALFA HAY	TCNS	35.000	2.600	91.00	
TOTAL RECEIPTS				91.00	
CASH COSTS					
ALFALFA SEED	LBS.	2.100	2.000	4.20	
PHOSPHATE	LBS.	0.120	45.000	5.40	
PEA APHID	ACRE	4.500	0.250	1.13	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
BALE TIES	TONS	1.500	2.600	3.90	
FUEL AND LUBRICANTS	ACRE			3.27	
MACHINERY REPAIRS	ACRE			3.36	
TOTAL CASH COSTS				24.48	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	5.234	0.44	
INTEREST ON TRACTOR INVESTMENT		0.085	14.770	1.26	
INTEREST ON EQUIPMENT INVESTMENT		0.085	30.179	2.57	
DEPRECIATION,TAXES,INSURANCE				7.20	
LABOR COST		3.300	1.237	4.08	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				48.80	
TOTAL COST PER ACRE				73.28	
NET RETURNS PER ACRE				17.72	
TOTAL COST PER UNIT OF PRODUCTION				28.19	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	44.95				
ANNUAL CAPITAL	5.23				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	1.24				
JULY-AUG	0.0				
SEPT-OCT	0.0				
NOV-DEC	0.0				

BUDGET IDENTIFICATION NUMBER 8744C20 11292
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 106
 PRICE VECTOR 4

ALFALFA WEST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MINER, LAKE, HANSON,
 MCCOOK, HUTCHINSON, BON HOMME AND THE WEST HALF OF YANKTON COUNTIES.
 EXPECTED YIELD IS 2.6 TONS. ALFALFA ESTABLISHED EVERY 3 YEARS.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT	
PRODUCTION	NUMBER OF UNITS																		
1 ALFALFA HAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.60	0.0	0.0	0.0	0.0	35.000	0.0	3.	81.	2.	0.	
OPERATING INPUTS	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT	
														UNITS	CODE	CODE			
11 ALFALFA SEED	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.100	0.0	12.	181.	3.	0.	
12 PHOSPHATE	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.	
13 PEA APHID	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	285.	3.	0.	
14 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.	
15 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.	
16 BALE TIES	0.0	0.0	0.0	0.0	0.0	2.60	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	3.	392.	3.	0.	
MACHINERY REQUIREMENTS	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT	
															UNIT	CODE			
38 6-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	35.	4.	0.	
39 TANDEM DISK	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.	
40 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.	
41 SPIKE HARROW	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.	
42 S.P. SWATHER	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.	
43 BALER MED	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	86.	4.	0.	
44 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.	

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 721 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

ALFALFA
 ALLEN
 03/30/77

CORN EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNICN COUNTIES.
 EXPECTED YIELD 75 BUSHELS

BUDGET NUMBER 210
 BUDGET NUMBER 210
 BUDGET NUMBER 210

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
CORN	BU.	2.250	75.000	168.75	
TOTAL RECEIPTS				168.75	

CASH COSTS					
CORN SEED-SC	MVK	0.550	11.280	6.20	
CORN SEED-3-WAY	MVK	0.390	4.700	1.83	
CORN SEED-DC	MVK	0.320	2.820	0.90	
NITROGEN	LBS.	0.180	70.000	12.60	
PHOSPHATE	LBS.	0.120	30.000	3.60	
PREPLANT INCORP	ACRE	9.800	0.150	1.47	
PREEMERG BROAD	ACRE	10.200	0.300	3.06	
PREEMERG BANDED	ACRE	4.500	0.450	2.02	
2,4-D	ACRE	1.000	0.150	0.15	
DICAMBA	ACRE	1.000	0.100	0.10	
CORN ROOTWORM	ACRE	6.000	0.700	4.20	
CORNBORER	ACRE	9.000	0.100	0.90	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CROP INSURANCE	ACRE	3.000	1.170	3.51	
GRAIN STORAGE	BU.	0.030	75.000	2.25	
GRAIN DRYER	BU.	0.120	75.000	9.00	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.73	
MACHINERY REPAIRS	ACRE			3.97	
TOTAL CASH COSTS				64.60	

FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	17.605	1.50	
INTEREST ON TRACTOR INVESTMENT		0.085	20.502	1.74	
INTEREST ON EQUIPMENT INVESTMENT		0.085	59.941	5.09	
DEPRECIATION, TAXES, INSURANCE				12.47	
LABOR COST		3.300	2.287	7.55	
LAND CHARGE		0.070	700.000	49.00	
TOTAL FIXED COSTS				77.35	

TOTAL COST PER ACRE 141.95

NET RETURNS PER ACRE 26.80

TOTAL COST PER UNIT OF PRODUCTION 1.89

RESOURCES USED	DOLLARS
TOTAL CAPITAL	80.44
ANNUAL CAPITAL	17.60
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.77
JULY-AUG	0.0
SEPT-OCT	1.52
NOV-DEC	0.0

CORN EAST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNION COUNTIES.
 EXPECTED YIELD 75 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT		
	NUMBER OF UNITS																			
1 CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.00	0.0	0.0	2.250	0.0	2.	72.	2.	0.		
OPERATING INPUTS													RATE/UNIT		PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE				
11 CORN SEED-SC	0.0	0.0	0.0	0.0	11.28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.550	0.0	22.	170.	3.	0.		
12 CORN SEED-3-WAY	0.0	0.0	0.0	0.0	4.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.390	0.0	22.	171.	3.	0.		
13 CORN SEED-DC	0.0	0.0	0.0	0.0	2.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.320	0.0	22.	172.	3.	0.		
14 NITROGEN	0.0	0.0	0.0	0.0	70.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.		
15 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.		
16 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	7.	251.	3.	0.		
17 PREEMERG BROAD	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.200	0.0	7.	252.	3.	0.		
18 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.		
19 2,4-D	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	254.	3.	0.		
20 DICAMBA	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	255.	3.	0.		
21 CORN ROOTWORM	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.000	0.0	7.	281.	3.	0.		
22 CORNBORER	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.000	0.0	7.	284.	3.	0.		
23 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.		
24 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	0.0	1.17	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	446.	3.	0.		
25 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.00	0.0	0.0	0.030	0.0	2.	438.	3.	0.		
26 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.00	0.0	0.0	0.120	0.0	2.	437.	3.	0.		
27 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	3.000	0.0	7.	500.	3.	0.		
MACHINERY REQUIREMENTS													TIMES OVER		XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE				
38 6-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	35.	4.	0.		
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.		
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.		
41 CYCLOPLANTR W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	62.	4.	0.		
42 4-ROW CULTIVATOR	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	59.	4.	0.		
43 SP COMBINE-CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	21.	4.	0.		
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.	10.	4.	0.		
45 STALK SHREDDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	94.	4.	0.		
46 SPRAYER 8 ROW	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	4.	100.	4.	0.		

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 720 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

CORN
 ALLEN
 03/30/77

OATS EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNION COUNTIES.
 EXPECTED YIELD 65 BUSHELS

BUDGET NUMBER 220
 BUDGET NUMBER 220
 BUDGET NUMBER 220

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
OATS	BU.	1.300	65.000	84.50	
TOTAL RECEIPTS				84.50	
CASH COSTS					
OATS SEED	BU.	3.100	0.500	1.55	
OATS SEED UNC	BU.	2.750	2.500	6.88	
NITROGEN	LBS.	0.180	40.000	7.20	
PHOSPHATE	LBS.	0.120	30.000	3.60	
MCPA	ACRE	1.080	0.600	0.65	
DICAMBA	ACRE	2.000	0.100	0.20	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	65.000	1.95	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.03	
MACHINERY REPAIRS	ACRE			3.51	
TOTAL CASH COSTS				36.72	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	7.501	0.64	
INTEREST ON TRACTOR INVESTMENT		0.085	14.465	1.23	
INTEREST ON EQUIPMENT INVESTMENT		0.085	61.004	5.19	
DEPRECIATION, TAXES, INSURANCE				11.82	
LABOR COST		3.300	1.920	6.34	
LAND CHARGE		0.070	700.000	49.00	
TOTAL FIXED COSTS				74.21	
TOTAL COST PER ACRE				110.93	
NET RETURNS PER ACRE				-26.43	
TOTAL COST PER UNIT OF PRODUCTION				1.71	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	75.47				
ANNUAL CAPITAL	7.50				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.68				
JULY-AUG	0.99				
SEPT-OCT	0.25				
NOV-DEC	0.0				

BUDGET IDENTIFICATION NUMBER 7441010 11220
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 68
 PRICE VECTOR 4

OATS EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNION COUNTIES.
 EXPECTED YIELD 65 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT		
	NUMBER OF UNITS																			
1 OATS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.00	0.0	0.0	0.0	0.0	1.300	0.0	2.	74.	2.	0.		
OPERATING INPUTS													RATE/UNIT		PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE				
11 OATS SEED	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.100	0.0	2.	173.	3.	0.		
12 OATS SEED UNC	0.0	0.0	0.0	0.0	2.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.750	0.0	2.	192.	3.	0.		
13 NITROGEN	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.		
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.		
15 MCPA	0.0	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.080	0.0	7.	256.	3.	0.		
16 DICAMBA	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.		
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.		
18 ENGL GRAIN APHC	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.		
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.		
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.		
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.		
MACHINERY REQUIREMENTS													TIMES OVER		XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE				
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.		
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.		
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.		
41 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.		
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.		
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.		
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.		
45 SPRAYER 3 ROW	0.0	0.0	0.0	0.0	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.		

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 720 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

OATS
 ALLEN
 03/30/77

BARLEY EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNION COUNTIES.
 EXPECTED YIELD 41 BUSHELS

BUDGET NUMBER 230
 BUDGET NUMBER 230
 BUDGET NUMBER 230

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
BARLEY	BU.	2.400	41.000	98.40	
TOTAL RECEIPTS				98.40	
CASH COSTS					
BARLEY SEED	BU.	5.500	0.210	1.15	
BARLEY SEED UNC	BU.	4.000	1.050	4.20	
NITROGEN	LBS.	0.180	40.000	7.20	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.650	0.49	
PICLORAM + 2,4-D	ACRE	1.300	0.110	0.14	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	41.000	1.23	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.09	
MACHINERY REPAIRS	ACRE			3.54	
TOTAL CASH COSTS				33.04	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.763	0.57	
INTEREST ON TRACTOR INVESTMENT		0.085	14.844	1.26	
INTEREST ON EQUIPMENT INVESTMENT		0.085	61.188	5.20	
DEPRECIATION, TAXES, INSURANCE				11.90	
LABOR COST		3.300	1.944	6.42	
LAND CHARGE		0.070	700.000	49.00	
TOTAL FIXED COSTS				74.36	
TOTAL COST PER ACRE				107.40	
NET RETURNS PER ACRE				-9.00	
TOTAL COST PER UNIT OF PRODUCTION				2.62	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	76.03
ANNUAL CAPITAL	6.76
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.70
JULY-AUG	0.99
SEPT-OCT	0.25
NOV-DEC	0.0

BARLEY EAST,SOUTHEASTERN SOUTH DAKOTA COMPRISED CF MOCDY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNICN COUNTIES.
 EXPECTED YIELD 41 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT		
1 BARLEY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.00	0.0	0.0	0.0	0.0	2.400	0.0	2.	71.	2.	0.		
													NUMBER OF UNITS							
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT		
														UNITS	CODE	CODE				
11 BARLEY SEED	0.0	0.0	0.0	0.0	0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.500	0.0	2.	174.	3.	0.		
12 BARLEY SEED UNC	0.0	0.0	0.0	0.0	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	2.	193.	3.	0.		
13 NITROGEN	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.		
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.		
15 2,4-D	0.0	0.0	0.0	0.0	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.		
16 PICLORAM + 2,4-D	0.0	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.300	0.0	7.	257.	3.	0.		
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.		
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.		
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.		
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.		
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.		
MACHINERY REQUIREMENTS													TIMES OVER	XXXXX	XXXXX	POWER	MACH	TYPE	CONT	
															UNIT	CODE				
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.		
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.		
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.		
41 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.		
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.		
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.		
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.		
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.		

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 720 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

BARLEY
 ALLEN
 03/30/77

SPRING WHEAT EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNION COUNTIES.
 EXPECTED YIELD 27 BUSHELS

BUDGET NUMBER 240
 BUDGET NUMBER 240
 BUDGET NUMBER 240

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
WHEAT	BU.	3.500	27.000	94.50	
TOTAL RECEIPTS				94.50	
CASH COSTS					
SP. WHEAT SEED	BU.	4.500	0.250	1.13	
WHEAT SEED UNC	BU.	3.750	1.250	4.69	
NITROGEN	LBS.	0.180	40.000	7.20	
PHOSPHATE	LBS.	0.120	30.000	3.60	
2,4-D	ACRE	0.750	0.750	0.56	
DICAMBA	ACRE	2.000	0.100	0.20	
ARMYWORM	ACRE	4.500	0.100	0.45	
ENGL GRAIN APHID	ACRE	4.500	0.100	0.45	
CROP INSURANCE	ACRE	2.250	1.000	2.25	
GRAIN STORAGE	BU.	0.030	27.000	0.81	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.09	
MACHINERY REPAIRS	ACRE			3.54	
TOTAL CASH COSTS				32.96	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	6.848	0.58	
INTEREST ON TRACTOR INVESTMENT		0.085	14.844	1.26	
INTEREST ON EQUIPMENT INVESTMENT		0.085	61.188	5.20	
DEPRECIATION, TAXES, INSURANCE				11.90	
LABOR COST		3.300	1.944	6.42	
LAND CHARGE		0.070	700.000	49.00	
TOTAL FIXED COSTS				74.36	
TOTAL COST PER ACRE				107.33	
NET RETURNS PER ACRE				-12.83	
TOTAL COST PER UNIT OF PRODUCTION				3.98	
RESOURCES USED					
TOTAL CAPITAL	DOLLARS	76.03			
ANNUAL CAPITAL	DOLLARS	6.05			
ACRES OF LAND	DOLLARS	1.00			
LABOR					
MAR-APRIL	HOURS	0.0			
MAY-JUNE	HOURS	0.70			
JULY-AUG	HOURS	0.99			
SEPT-OCT	HOURS	0.25			
NOV-DEC	HOURS	0.0			

SPRING WHEAT EAST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNICN COUNTIES.
 EXPECTED YIELD 27 BUSHEL

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
1 WHEAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.00	0.0	0.0	0.0	0.0	3.500	0.0	2.	76.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 SP. WHEAT SEED	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	2.	175.	3.	0.
12 WHEAT SEED UNC	0.0	0.0	0.0	0.0	1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.750	0.0	2.	194.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	40.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 DICAMBA	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.000	0.0	7.	272.	3.	0.
17 ARMYWORM	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	288.	3.	0.
18 ENGL GRAIN APHID	0.0	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	289.	3.	0.
19 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.250	0.0	7.	447.	3.	0.
20 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS																		
	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE		
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 720 BY DERSHEID,AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

WHEAT
 ALLEN
 03/30/77

FLAX EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNION COUNTIES.
 EXPECTED YIELD 17 BUSHELS

BUDGET NUMBER 260
 BUDGET NUMBER 260
 BUDGET NUMBER 260

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
FLAX	BU.	7.000	17.000	119.00	
TOTAL RECEIPTS				119.00	
CASH COSTS					
FLAX SEED	BU.	9.000	0.250	2.25	
FLAX SEED UNC	BU.	7.500	1.250	9.38	
NITROGEN	LBS.	0.180	45.000	8.10	
PHOSPHATE	LBS.	0.120	15.000	1.80	
MCPA	ACRE	0.810	0.150	0.12	
DALAPON	ACRE	1.500	0.350	0.52	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	17.000	0.51	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			4.93	
MACHINERY REPAIRS	ACRE			3.45	
TOTAL CASH COSTS				36.60	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	7.846	0.67	
INTEREST ON TRACTOR INVESTMENT		0.085	13.758	1.17	
INTEREST ON EQUIPMENT INVESTMENT		0.085	60.661	5.16	
DEPRECIATION, TAXES, INSURANCE				11.67	
LABOR COST		3.300	1.874	6.19	
LAND CHARGE		0.070	700.000	49.00	
TOTAL FIXED COSTS				73.85	
TOTAL COST PER ACRE				110.51	
NET RETURNS PER ACRE				8.49	
TOTAL COST PER UNIT OF PRODUCTION				6.50	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	74.42				
ANNUAL CAPITAL	7.85				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.63				
JULY-AUG	0.99				
SEPT-OCT	0.25				
NOV-DEC	0.0				

FLAX EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 FURNER, LINCOLN, YANKTON, CLAY, AND UNION COUNTIES.
 EXPECTED YIELD 17 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
1 FLAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.00	0.0	0.0	0.0	0.0	7.000	0.0	2.	92.	2.	0.
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
					RATE/UNIT									UNITS	CODE	CODE		
11 FLAX SEED	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.000	0.0	2.	176.	3.	0.
12 FLAX SEED UNC	0.0	0.0	0.0	0.0	1.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.500	0.0	2.	195.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	45.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	15.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 MCPA	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.810	0.0	7.	275.	3.	0.
16 DALAPON	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	7.	258.	3.	0.
17 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
18 CROP INSURANCE	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.
19 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.00	0.0	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
20 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
					TIMES CVER										UNIT	CODE		
38 CHISEL WHEEL MTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	4.	47.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 DRILL 2/BFT W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 720 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

FLAX
 ALLEN
 03/30/77

SOYBEANS EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNICN COUNTIES.
 EXPECTED YIELD 25 BUSHELS

BUDGET NUMBER 270
 BUDGET NUMBER 270
 BUDGET NUMBER 270

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
SOYBEANS	BU.	5.500	25.000	137.50	
TOTAL RECEIPTS				137.50	
CASH COSTS					
SOYBEAN SEED	BU.	9.500	1.000	9.50	
PREPLANT INCORP	BU.	9.800	0.900	8.82	
NITROGEN	LBS.	0.180	6.000	1.08	
PHOSPHATE	LBS.	0.120	18.000	2.16	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	25.000	0.75	
GRAIN DRYER	BU.	0.120	25.000	3.00	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.26	
MACHINERY REPAIRS	ACRE			3.49	
TOTAL CASH COSTS				39.78	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	10.896	0.93	
INTEREST ON TRACTOR INVESTMENT		0.085	17.855	1.52	
INTEREST ON EQUIPMENT INVESTMENT		0.085	52.252	4.44	
DEPRECIATION, TAXES, INSURANCE				10.83	
LABOR COST		3.300	1.993	6.58	
LAND CHARGE		0.070	700.000	49.00	
TOTAL FIXED COSTS				73.29	
TOTAL COST PER ACRE				113.07	
NET RETURNS PER ACRE				24.43	
TOTAL COST PER UNIT OF PRODUCTION				4.52	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	70.11				
ANNUAL CAPITAL	10.90				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.80				
JULY-AUG	0.0				
SEPT-OCT	1.19				
NOV-DEC	0.0				

BUDGET IDENTIFICATION NUMBER 9841010 11270
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 9
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 75
 PRICE VECTOR 4

SOYBEANS EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNION COUNTIES.
 EXPECTED YIELD 25 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
1 SOYBEANS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	5.500	0.0	2.	98.	2.	0.
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
	RATE/UNIT												UNITS	CODE	CODE			
11 SOYBEAN SEED	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.500	0.0	2.	177.	3.	0.
12 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	2.	251.	3.	0.
13 NITROGEN	0.0	0.0	0.0	0.0	6.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
14 PHOSPHATE	0.0	0.0	0.0	0.0	18.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
15 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
16 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.
17 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
18 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.00	0.0	0.0	0.0	0.120	0.0	2.	437.	3.	0.
19 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
	TIMES OVER												UNIT	CODE	CODE			
38 6-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	35.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 CYCLOPLANTR W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	62.	4.	0.
42 4-ROW CULTIVATOR	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	59.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 720 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

SOYBEANS
 ALLEN
 03/30/77

GRAIN SORGHUM EAST,SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNIGN COUNTIES.
 EXPECTED YIELD 52 BUSHELS

BUDGET NUMBER 280
 BUDGET NUMBER 280
 BUDGET NUMBER 280

	UNITS	PRICE	QUANTITY	VALUE	YCUR ESTIMATE
GROSS RECEIPTS FRGM PRODUCTION					
GRAIN SORGHUM	BU.	2.300	52.000	119.60	
TOTAL RECEIPTS				119.60	

CASH COSTS					
SORGHUM SEED	LBS.	0.420	4.000	1.68	
NITROGEN	LBS.	0.180	70.000	12.60	
PHOSPHATE	LBS.	0.120	30.000	3.60	
PREEMERG BANDED	ACRE	4.500	0.400	1.80	
2,4-D	ACRE	0.750	0.150	0.11	
GREENBUGS	ACRE	4.500	0.500	2.25	
CORN LEAF APHID	ACRE	4.500	0.500	2.25	
CROP INSURANCE	ACRE	2.500	1.000	2.50	
GRAIN STORAGE	BU.	0.030	52.000	1.56	
GRAIN DRYER	BU.	0.120	52.000	6.24	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
FUEL AND LUBRICANTS	ACRE			5.65	
MACHINERY REPAIRS	ACRE			3.72	
TOTAL CASH COSTS				46.96	

FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	11.939	1.01	
INTEREST ON TRACTOR INVESTMENT		0.085	20.631	1.75	
INTEREST ON EQUIPMENT INVESTMENT		0.085	53.601	4.56	
DEPRECIATION,TAXES,INSURANCE				11.42	
LABOR COST		3.300	2.172	7.17	
LAND CHARGE		0.070	700.000	49.00	
TOTAL FIXED COSTS				74.91	

TOTAL COST PER ACRE 121.87

NET RETURNS PER ACRE -2.27

TOTAL COST PER UNIT OF PRODUCTION 2.34

RESOURCES USED	DCLLARS
TOTAL CAPITAL	74.23
ANNUAL CAPITAL	11.94
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	0.98
JULY-AUG	0.0
SEPT-CCT	1.19
NOV-DEC	0.0

BUDGET IDENTIFICATION NUMBER 7741010 11280
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 9
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 76
 PRICE VECTOR 4

GRAIN SORGHUM EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA,
 TURNER, LINCOLN, YANKTON, CLAY, AND UNICN COUNTIES.
 EXPECTED YIELD 52 BUSHELS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
PRODUCTION	NUMBER OF UNITS																	
1 GRAIN SORGHUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.00	0.0	0.0	0.0	2.300	0.0	2.	77.	2.	0.
OPERATING INPUTS	RATE/UNIT																	
													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 SORGHUM SEED	0.0	0.0	0.0	0.0	4.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.420	0.0	12.	178.	3.	0.
12 NITROGEN	0.0	0.0	0.0	0.0	70.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
13 PHOSPHATE	0.0	0.0	0.0	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
14 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.
15 2,4-D	0.0	0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.750	0.0	7.	271.	3.	0.
16 GREENBUGS	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	286.	3.	0.
17 CORN LEAF APHID	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	287.	3.	0.
18 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	2.500	0.0	7.	452.	3.	0.
19 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.00	0.0	0.0	0.0	0.030	0.0	2.	438.	3.	0.
20 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.00	0.0	0.0	0.0	0.120	0.0	2.	437.	3.	0.
21 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
MACHINERY REQUIREMENTS	TIMES CVER																	
													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE		
38 6-16 TS-SM PLGW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	35.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 CYCLOPLANTR W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	62.	4.	0.
42 4-ROW CULTIVATOR	0.0	0.0	0.0	0.0	1.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	59.	4.	0.
43 SP COMBINE-GRAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.	18.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 SPRAYER B ROW	0.0	0.0	0.0	0.0	1.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.

THIS BUDGET PREPARED BY ZEMAN BASED ON EMC 720 BY DERSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

SORGHUM
 ALLEN
 03/30/77

ALFALFA EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA, TURNER
 LINCOLN, CLAY, UNION AND THE EAST HALF OF YANKTON COUNTIES
 EXPECTED YIELD IS 3.5 TONS. ALFALFA ESTABLISHED EVERY 3 YEARS

BUDGET NUMBER 291
 BUDGET NUMBER 291
 BUDGET NUMBER 291

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
ALFALFA HAY	TONS	35.000	3.500	122.50	
TOTAL RECEIPTS				122.50	
CASH COSTS					
ALFALFA SEED	LBS.	2.100	2.000	4.20	
PHOSPHATE	LBS.	0.120	60.000	7.20	
PEA APHID	ACRE	4.500	0.250	1.13	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
CROP OVERHEAD	ACRE	3.000	1.000	3.00	
BALE TIES	TONS	1.500	3.500	5.25	
FUEL AND LUBRICANTS	ACRE			4.47	
MACHINERY REPAIRS	ACRE			4.55	
TOTAL CASH COSTS				30.02	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	5.497	0.47	
INTEREST ON TRACTOR INVESTMENT		0.085	19.484	1.66	
INTEREST ON EQUIPMENT INVESTMENT		0.085	43.206	3.67	
DEPRECIATION, TAXES, INSURANCE				10.10	
LABOR COST		3.300	1.685	5.56	
LAND CHARGE		0.070	700.000	49.00	
TOTAL FIXED COSTS				70.45	
TOTAL COST PER ACRE				100.48	
NET RETURNS PER ACRE				22.02	
TOTAL COST PER UNIT OF PRODUCTION				28.71	
RESOURCES USED	DOLLARS				
TOTAL CAPITAL	62.69				
ANNUAL CAPITAL	5.50				
ACRES OF LAND	1.00				
LABOR	HOURS				
MAR-APRIL	0.0				
MAY-JUNE	0.79				
JULY-AUG	0.89				
SEPT-OCT	0.0				
NOV-DEC	0.0				

BUDGET IDENTIFICATION NUMBER 8741010 11291
 MACHINERY COMPLEMENT 2

ANNUAL CAPITAL MONTH 8
 EQUIPMENT COMPLEMENT 1

BUDGET RECORD NUMBER 105
 PRICE VECTOR 4

ALFALFA EAST, SOUTHEASTERN SOUTH DAKOTA COMPRISED OF MOODY, MINNEHAHA, TURNER
 LINCOLN, CLAY, UNION AND THE EAST HALF OF YANKTON COUNTIES
 EXPECTED YIELD IS 3.5 TONS. ALFALFA ESTABLISHED EVERY 3 YEARS

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT				
PRODUCTION													NUMBER OF UNITS									
1 ALFALFA HAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.50	0.0	0.0	0.0	0.0	35.000	0.0	3.	81.	2.	0.				
OPERATING INPUTS													RATE/UNIT		PRICE		NUMBER UNIT		ITEM TYPE CONT			
													UNITS		CODE CODE							
11 ALFALFA SEED	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.100	0.0	12.	181.	3.	0.				
12 PHOSPHATE	0.0	0.0	0.0	0.0	60.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.				
13 PEA APHID	0.0	0.0	0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	285.	3.	0.				
14 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.				
15 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.				
16 BALE TIES	0.0	0.0	0.0	0.0	0.0	3.50	0.0	0.0	0.0	0.0	0.0	0.0	1.500	0.0	3.	392.	3.	0.				
MACHINERY REQUIREMENTS													TIMES OVER		XXXXX		XXXXX		POWER MACH		TYPE CONT	
													UNIT CODE									
38 6-16 TS-SM PLCW	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	35.	4.	0.				
39 TANDEM DISK	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.				
40 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.				
41 SPIKE HARROW	0.0	0.0	0.0	0.0	0.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.				
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.				
43 BALER MED	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	4.	86.	4.	0.				
44 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.				

THIS BUDGET PREPARED BY ZEMAN BASED ON LMC 720 BY DEPSHEID, AANDERUD.
 HERBICIDES AND INSECTICIDES ASSUMES AVG APPLICATION RATE/AREA X
 COST/ACRE. MACHINERY REQUIREMENTS OBTAINED FROM DURLAND.

ALFALFA
 ALLEN
 03/30/77

IRRIGATED CORN, CENTER PIVOT SYSTEM
 YANKTON COUNTY, EXPECTED YIELD 130 BU.

BUDGET NUMBER 216
 BUDGET NUMBER 216
 BUDGET NUMBER 216

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION CORN	BU.	2.250	130.000	292.50	
TOTAL RECEIPTS				292.50	
CASH COSTS					
CORN SEED-SC	MVK	0.550	27.000	14.85	
NITROGEN	LBS.	0.180	150.000	27.00	
PHOSPHATE	LBS.	0.120	60.000	7.20	
PREPLANT INCORP	ACRE	9.800	0.400	3.92	
PREEMERG BROAD	ACRE	10.200	0.400	4.08	
PREEMERG BANDED	ACRE	4.500	0.200	0.90	
2,4-D	ACRE	1.000	0.300	0.30	
DICAMBA	ACRE	1.000	0.200	0.20	
CORN ROOTWORM	ACRE	6.000	0.700	4.20	
CORNBORER	ACRE	9.000	0.300	2.70	
GRASSHOPPERS	ACRE	4.500	0.020	0.09	
CROP INSURANCE	ACRE	3.000	2.000	6.00	
GRAIN STORAGE	BU.	0.030	130.000	3.90	
GRAIN DRYER	BU.	0.120	130.000	15.60	
CROP OVERHEAD	ACRE	3.000	2.000	6.00	
MGT. SERVICES	ACRE	4.000	1.000	4.00	
FUEL AND LUBRICANTS	ACRE			7.97	
MACHINERY REPAIRS	ACRE			4.61	
IRRIG FUEL COST	ACRE			18.68	
IRRIG LUBE COST	ACRE			2.80	
IRRIG REPAIR COST	ACRE			3.02	
TOTAL CASH COSTS				138.02	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	43.279	3.68	
INTEREST ON TRACTOR INVESTMENT		0.085	24.495	2.08	
INTEREST ON EQUIPMENT INVESTMENT		0.085	65.509	5.57	
INTEREST ON IRRIGATION EQUIP		0.085	158.118	13.44	
DEPRECIATION, TAXES, INSURANCE				45.60	
LABOR COST		3.300	3.844	12.68	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				116.30	
TOTAL COST PER ACRE				254.33	
NET RETURNS PER ACRE				38.17	
TOTAL COST PER UNIT OF PRODUCTION				1.96	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	248.12
ANNUAL CAPITAL	43.28
ACRES OF LAND	1.00
LABOR	HOURS
MAR-APRIL	0.0
MAY-JUNE	1.32
JULY-AUG	0.40
SEPT-OCT	1.78
NOV-DEC	0.35

IRRIGATED CORN, CENTER PIVOT SYSTEM
 YANKTON COUNTY, EXPECTED YIELD 130 BU.

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PRODUCTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
	NUMBER OF UNITS																	
1 CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.00	0.0	0.0	2.250	0.0	2.	72.	2.	0.
OPERATING INPUTS													PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
	RATE/UNIT												UNITS	CODE	CODE			
11 CORN SEED-SC	0.0	0.0	0.0	0.0	27.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.550	0.0	22.	170.	3.	0.
12 NITROGEN	0.0	0.0	0.0	70.00	50.00	0.0	30.00	0.0	0.0	0.0	0.0	0.0	0.180	0.0	12.	211.	3.	0.
13 PHOSPHATE	0.0	0.0	0.0	0.0	60.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
14 PREPLANT INCORP	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.800	0.0	7.	251.	3.	0.
15 PREEMERG BROAD	0.0	0.0	0.0	0.0	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.200	0.0	7.	252.	3.	0.
16 PREEMERG BANDED	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	253.	3.	0.
17 2,4-D	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	254.	3.	0.
18 DICAMBA	0.0	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.000	0.0	7.	255.	3.	0.
19 CORN ROOTWORM	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.000	0.0	7.	281.	3.	0.
20 CORNBORER	0.0	0.0	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.000	0.0	7.	284.	3.	0.
21 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
22 CROP INSURANCE	0.0	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	446.	3.	0.
23 GRAIN STORAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.00	0.0	0.0	0.030	0.0	2.	438.	3.	0.
24 GRAIN DRYER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.00	0.0	0.0	0.120	0.0	2.	437.	3.	0.
25 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
26 FIXED IRRIG COST	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	7.	394.	3.	0.
27 MGT. SERVICES	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	7.	393.	3.	0.
MACHINERY REQUIREMENTS													XXXXX	XXXXX	POWER	MACH	TYPE	CONT
	TIMES OVER												UNIT	CODE				
38 6-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	4.	35.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 SPIKE HARROW	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
41 CYCLOPLANTR W/F	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	62.	4.	0.
42 4-ROW CULTIVATOR	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	59.	4.	0.
43 SP COMBINE-CORN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	21.	4.	0.
44 FORD TRUCK 2T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.	10.	4.	0.
45 STALK SHREDDER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	4.	94.	4.	0.
46 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.
49 ACIN IRRIG WATER	0.0	0.0	0.0	0.0	2.00	4.00	4.00	4.00	0.0	0.0	0.0	0.0						

CENTER PIVOT IRRIGATION
 14 INCHES OF WATER PER ACRE
 0.85 HOURS IRRIGATION LABOR PER ACRE

CORN
 ALLEN
 OCT. 1978

IRRIGATED ALFALFA, CONVENTIONAL BALE,
YANKTON COUNTY, EXPECTED YIELD 6 TON

BUDGET NUMBER 296
BUDGET NUMBER 296
BUDGET NUMBER 296

	UNITS	PRICE	QUANTITY	VALUE	YOUR ESTIMATE
GROSS RECEIPTS FROM PRODUCTION					
ALFALFA HAY	TONS	35.000	6.000	210.00	
TOTAL RECEIPTS				210.00	
CASH COSTS					
ALFALFA SEED	LBS.	2.100	3.000	6.30	
NITROGEN		0.180	8.000	1.44	
PHOSPHATE	LBS.	0.120	140.000	16.80	
PEA APHID	ACRE	4.500	0.500	2.25	
GRASSHOPPERS	ACRE	4.500	0.050	0.22	
BALE TIES	TONS	1.500	6.000	9.00	
CROP OVERHEAD	ACRE	3.000	1.500	4.50	
MGT. SERVICES	ACRE	4.000	1.000	4.00	
FUEL AND LUBRICANTS	ACRE			5.46	
MACHINERY REPAIRS	ACRE			5.40	
IRRIG FUEL COST	ACRE			22.68	
IRRIG LUBE COST	ACRE			3.40	
IRRIG REPAIR COST	ACRE			3.67	
TOTAL CASH COSTS				85.12	
FIXED COSTS					
INTEREST ON OPERATING CAPITAL		0.085	13.418	1.14	
INTEREST ON TRACTOR INVESTMENT		0.085	24.474	2.08	
INTEREST ON EQUIPMENT INVESTMENT		0.085	51.090	4.34	
INTEREST ON IRRIGATION EQUIP		0.085	159.000	13.51	
DEPRECIATION, TAXES, INSURANCE				43.66	
LABOR COST		3.300	2.927	9.66	
LAND CHARGE		0.070	475.000	33.25	
TOTAL FIXED COSTS				107.65	
TOTAL COST PER ACRE				192.77	
NET RETURNS PER ACRE				17.23	
TOTAL COST PER UNIT OF PRODUCTION				32.13	

RESOURCES USED	DOLLARS
TOTAL CAPITAL	234.56
ANNUAL CAPITAL	13.42
ACRES OF LAND	1.00

LABOR	HOURS
MAR-APRIL	0.06
MAY-JUNE	1.35
JULY-AUG	1.39
SEPT-CCT	0.0
NOV-DEC	0.12

IRRIGATED ALFALFA, CONVENTIONAL BALE,
 YANKTON COUNTY, EXPECTED YIELD 6 TON

LINE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PRICE	WEIGHT	UNIT	ITEM	TYPE	CONT
PRODUCTION																		
	NUMBER OF UNITS																	
1 ALFALFA HAY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.00	0.0	0.0	0.0	0.0	35.000	0.0	3.	81.	2.	0.
OPERATING INPUTS																		
	RATE/UNIT												PRICE	NUMBER	UNIT	ITEM	TYPE	CONT
														UNITS	CODE	CODE		
11 ALFALFA SEED	0.0	0.0	0.0	0.0	3.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.100	0.0	12.	181.	3.	0.
12 NITROGEN	0.0	0.0	0.0	0.0	8.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.180	0.0	0.	211.	3.	0.
13 PHOSPHATE	0.0	0.0	0.0	0.0	140.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.120	0.0	12.	214.	3.	0.
14 PEA APHID	0.0	0.0	0.0	0.0	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	285.	3.	0.
15 GRASSHOPPERS	0.0	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	4.500	0.0	7.	283.	3.	0.
16 BALE TIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.00	0.0	0.0	0.0	0.0	1.500	0.0	3.	392.	3.	0.
17 CROP OVERHEAD	0.0	0.0	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	3.000	0.0	7.	500.	3.	0.
18 FIXED IRRIG COST	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	7.	394.	3.	0.
19 MGT. SERVICES	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.000	0.0	7.	393.	3.	0.
MACHINERY REQUIREMENTS																		
	TIMES OVER												XXXXX	XXXXX	POWER	MACH	TYPE	CONT
															UNIT	CODE		
38 6-16 TS-SM PLOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	4.	35.	4.	0.
39 TANDEM DISK	0.0	0.0	0.0	0.35	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	41.	4.	0.
40 DRILL 2/8FT W/F	0.0	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	66.	4.	0.
41 SPIKE HARROW	0.0	0.0	0.0	0.0	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	49.	4.	0.
42 S.P. SWATHER	0.0	0.0	0.0	0.0	0.50	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.	15.	4.	0.
43 BALER MED	0.0	0.0	0.0	0.0	0.50	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	4.	86.	4.	0.
44 SPRAYER 8 ROW	0.0	0.0	0.0	0.0	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.	100.	4.	0.
49 ACIN IRRIG WATER	0.0	0.0	0.0	0.0	3.00	4.00	5.00	5.00	0.0	0.0	0.0	0.0						

CENTER PIVOT IRRIGATION M
 17 INCHES OF WATER PER ACRE
 0.8 HOURS IRRIGATION LABGR PER ACRE

ALFALFA
 ALLEN
 OCT. 1978

PROCEDURE FOR MAKING CROP BUDGET CHANGES ON SDSU VSPC TERMINALS

1. The second page of each budget in the data bank budget manual is data from which costs and returns are calculated. One or several of the coefficients in this table may be changed and a computer printout obtained using changes as desired. Changes to be made should first be listed in the following table form.

Budget ID Number			
Row No.	Column No.	New Coefficient Value	
01	13	2.1	example data

2. Logon to the terminal by typing VSPC ID= followed by the ID number assigned to you. Press the return key on the typewriter. Wait for a password and other logon information to be printed.
3. Type the following: LINESIZE 130
4. Type the following, pressing the return key after each and waiting for READY to be printed after each line.


```
LOAD BUDJCL
INPUT
```
5. The terminal will respond by printing some multiple of "10". This will be the first line of data input. The following is an example of entries to be made to accomplish a budget data change and receive a printout. Press the return key after all entries on each line are completed. In the following example only the data to the right hand side of the line number is entered.

```

Budget ID Number   10  HEAD
                   20  00721403001121010
                   30  LOAD
                   40  BCHG
New Data           50      01132.1
                   (Continue with as many additional lines of entry as
                   desired. Note that the data begins in col. 5 with
                   01 as the line no., 13 as the col. no. and 60. as
                   the new coefficient value. The coefficient value
                   must have a decimal typed.)
                   60  END*
                   70  OUTS
                   80  00721403001121010
                   90  STOP
                   100 /*
                   110 (make no entry on this line - press return key)
```

6. Type the following: SUBMIT and press the return key.

7. Message will come back: JOB SUBMITTED AS UXXXXXXXX. This is the name assigned to the job.
8. Ask for output in about 1 minute by typing the following:
LOAD OUTPUT (XXXXXXXX) DS (1) using the name given above.
The READY message will be printed. Type LIST to obtain the output.
9. When as much printout as desired is obtained the job may be stopped by pressing the attention key (ATTN) while a line is being typed. Remove output from the system by using SCRATCH UXXXXXXXX
10. Enter additional budget changes as desired by typing: CLEAR, and repeating the above procedure.

Several budgets may be changed at one time by beginning with HEAD immediately after the OUTS.
11. When done using the terminal you must logoff by typing the following: OFF