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1972 PERFORMANCE of COMMERCIAL CORN HYBRIDS in ILLINOIS

(WITH 1970 AND 1971 LISTINGS)



G. L. Ross
J. F. Duncan
D. W. Graffis

Circular 1072

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This circular was prepared by G. L. Ross, Assistant Agronomist, J. F. Duncan, Assistant Agronomist, and D. W. Graffis, Professor of Forage Crops Extension. Data processing was done by the Statistical Laboratory of the Agronomy Department. R. D. Seif and S. G. Carmer, Professors of Biometry, supervised the analysis and preparation of the data.

Urbana, Illinois

January, 1973

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PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 1972

CORN YIELDS IN ILLINOIS IN 1972 are estimated to average 102 bushels per acre, the same as the 1971 average production. The total production is estimated to be down 9 percent as there were only 9,250,000 acres of corn planted. A wet spring generally reduced the early planting that had been so successful in 1971. May and June were generally ideal for corn growth and weed control.

June rainfall was erratic with northern Illinois receiving large amounts and southern Illinois very moderate amounts. July was cloudy and wet and prospects of a good crop were doubtful. August was cool, cloudy, and generally wet except for southern Illinois. A wet September, October, and November left much to be desired for a harvest season but the rains in September undoubtedly aided total production. The wet weather and strong winds in October and November made the high incidence of stalk rot more noticeable at harvest time.

Because most of the seed that was used in the trials was of the normal cytoplasm, a rating for leaf diseases was omitted this year. Diseases will be reported in the future when severe or important differences can be determined.

New Tests

Trials of high-lysine corn were conducted in 1972 to provide information about the new hybrids. These trials were planted at Urbana in isolation blocks under the direction of R. J. Lambert of the Department of Agronomy. Lysine analysis was conducted by the Illinois Maize Genetics Laboratory.

Plan of the Tests

Selection of entries. Each year all producers of hybrid seed corn in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. This testing program is financed by a fee of 30 dollars for each hybrid at each location entered. Most of these hybrids are commercially available, although a few experimental hybrids are also entered.

Number and location of tests. In 1972, 20 major tests were conducted at 11 locations in the state (see map on page 2). These sites represent major soil and climatic areas of the state.

Hybrids. Over 400 hybrids from 53 companies were tested in 1972. Seed for the trials was supplied by the seed companies.

Field-plot design. Three replications in a randomized complete block or lattice design were used.

These arrangements give each hybrid an equal chance to show its merits.

Planting methods. All trials were planted by hand. All test fields except those at DeKalb, Urbana, Dixon Springs, and Brownstown were part of larger corn fields and thus were surrounded by other corn. Each hybrid plot was overplanted 30 percent and later thinned to desired stands. Each plot was three rows wide and 26 feet long. Small plots help to avoid differences due to soil conditions. The center row of each plot was harvested to determine yields.

Fertilization. All test fields were at a high level of fertility. Additional fertilizer was plowed down or side-dressed as needed to assure top yields.

Method of harvest. All plots were harvested with a self-propelled combine. Shelled corn from each plot was collected, weighed, and tested for moisture percentage. No allowance was made for shelled corn that might have been lost in harvest.

Measuring Performance

Occasionally hybrids too late in maturity for a given area are entered in these tests. Such hybrids are often high in yield but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

Yield of grain. Shelled-corn weight and moisture percentage were measured for each plot of a hybrid and converted to bushels per acre of No. 2 shelled corn (15.5 percent moisture). An electronic moisture tester was used for all moisture readings.

Erect plants. The number of erect plants in each plot of a hybrid was counted at harvest time. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

Stand. In late June, plants in all plots on all fields were counted and the percent of stand was computed by comparing this number with the number of kernels planted. Plots with over 100-percent stand were thinned at this time. Stand differences may be caused by failure to germinate or by disease, insect injury, or cultivation damage.

Plants per acre. Plants per acre were calculated for each plot by using the percent stand obtained from plant counts. Differences in plants per acre and differences in percent stand are caused by the same factors.

Comparing hybrids. In any test of plant material, it is impossible to measure performance exactly. Sam-

ples may vary, soils may not be uniform, and many other conditions may produce variability. *Results of repeated tests, like those reported in this circular, are more reliable than those of a single year or a single strip test.* In general, a yield difference of a few bushels per acre is not significant in these tests. When one hybrid consistently outyields another at several test locations and over several years of testing, the chances are good that this difference is *real* and should be a consideration in choosing a hybrid. But yield alone is not enough. Consider also the grain moisture content, percentage of erect plants, percent stand, or plants per acre in comparing yields.

As an aid to comparing hybrids, certain statistical tests have been devised. D. B. Duncan¹ has outlined an approach to the problem of multiple comparisons when only two means are compared among a set of hybrid means. Certain factors not accounted for in previous tests of this type are included in Bayes L.S.D. This test is applied in the same manner as previous statistical tests used in these circulars. When two hybrids in a trial are compared, and the difference between them is greater than the tabulated L.S.D. value, then the hybrids are said to be "significantly different."

¹Duncan, D. B., "A Bayesian Approach to Multiple Comparisons," *Technometrics*, 7:171-222, 1965.

Growing Conditions on 1972 Test Fields

Extreme Northern Illinois: Woodstock. This test field represents the cool, humid area in northeastern Illinois. The test plot is on land operated by the Hughes Farms and Seed Company, Robert Hughes, cooperator. The soil is Proctor silt loam, a fertile, deep, well-drained, dark prairie soil. The field was in fifth-year corn and adjacent to demonstrations of varieties, herbicide treatments, and insecticide treatments. Growing conditions were anything but normal. Frost damage was notable in June. July and August were wet and cloudy. September was wet and cloudy and had a number of mild frosts. October harvesting was continually interrupted by rains.

Northern Illinois: DeKalb. This test is on the University of Illinois' Northern Illinois Research Center south of DeKalb in DeKalb County. R. E. Bell is the field manager and D. L. Mulvaney is the area agronomist in charge of research at the Center. The soil type is Flanagan silt loam, a dark-brown, adequately drained soil of high fertility. The growing season can best be described as wet and cool. The harvesting season was wet and the yields were excellent in spite of the stalk rot.

West North-Central Illinois: Galesburg. This test is located on the Hawkinson Farms, operated by

Table 1. — General Information: Illinois Hybrid Corn Tests, 1972

Field, county, location, and number of entries	Date planted	Date harvested	Aver. acre yield	Moisture in grain	Erect plants	Aver. population
			<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	
40-inch rows, 18,000 plants per acre						
Woodstock: McHenry, Ex. N, 59....	May 12	Nov. 22	130	21.0	91	17,359
38-inch rows, 18,000 plants per acre						
Augusta: Hancock, WC, 48.....	May 26	Dec. 15	112	22.2	84	17,387
30-inch rows, 18,000 plants per acre						
DeKalb: DeKalb, N, 68.....	May 5	Nov. 20-21	130	21.3	87	16,333
Galesburg: Knox, WNC, 45.....	May 11	Nov. 16-17	145	20.6	69	17,769
Urbana: Champaign, EC, 79.....	May 16	Oct. 26-27	149	24.7	93	17,535
Greenfield: Macoupin, WSC, 36.....	May 6	Nov. 6	139	21.0	98	17,716
Brownstown: Fayette, S, 43.....	May 17	Nov. 28-29	124	18.4	74	17,346
Carbondale: Jackson, Ex. S, 42.....	May 9	Dec. 14	127	17.1	94	15,778
Dixon Springs: Pope, Ex. S, 50.....	May 10	Dec. 12	143	19.9	78	17,428
30-inch rows, 22,000 plants per acre						
Brownstown: Fayette, S, 58.....	May 17	Dec. 11	135	18.2	76	20,611
Carbondale: Jackson, Ex. S, 30.....	May 9	Dec. 14	135	17.2	90	18,426
30-inch rows, 24,000 plants per acre						
DeKalb: DeKalb, N, 94.....	May 4	Nov. 20-21	146	21.7	88	21,149
Galesburg: Knox, WNC, 83.....	May 11	Nov. 16-17	143	20.1	50	23,568
Elwood: Will, ENC, 65.....	May 4	Nov. 28	136	19.5	80	22,830
Stanford: McLean, C, 113.....	May 18	Nov. 8	140	21.6	67	22,569
Urbana: Champaign, EC, 131.....	May 16	Oct. 28-30	159	23.4	95	22,719
Greenfield: Macoupin, WSC, 52.....	May 6	Nov. 6	138	20.4	92	23,178
Dixon Springs: Pope, Ex. S, 42.....	May 10	Dec. 12	149	19.6	64	23,074



Harold and Dave Hawkinson. The test field was a highly fertile, heavy-textured, Sable silty clay loam. Planting conditions were ideal and almost perfect stands were attained. Growing conditions were normal with well-spaced rainfall. The corn had a good drying season before the wet harvest season, but stalk rot was severe.

East North-Central Illinois: Elwood. This test is on the Northeastern Illinois Agronomy Research Center in Will County. Dale Harshbarger is field manager and D. L. Mulvaney is in charge of research at the Center. The test is on an area of Drummer silty clay loam. Growing conditions were excellent with a greater-than-average rainfall.

West-Central Illinois: Augusta. This test is located on the William Finney farm, west of Augusta in Hancock County. The soil is a Harrison silt loam, a moderately well-drained, dark-grayish-brown prairie soil. The growing season was unique in that it did not have the usual July drouth while only receiving a moderate amount of rainfall in an otherwise wet year. Harvesting was delayed by intermittent rains.

Central Illinois: Stanford. This test is located in the western part of McLean County, near Stanford, on a farm operated by Howard Logsdon. The soil is a deep, well-drained, highly fertile Muscatine silt loam. The plot was on an area of six years of continuous corn. The area had almost ideal growing conditions and the yields were excellent. Stalk rot was prevalent and noticeable as strong winds blew through the area a week before harvest and lodged many varieties.

East-Central Illinois: Urbana. This test is located on the Agronomy South Farm at the University

of Illinois at Urbana-Champaign in Champaign County. M. G. Oldham is the farm manager. Fields on which the test plots were grown are level, heavy-textured Drummer silty clay loam. Planting was slowed by a wet April. May was dry, which did not help seedling emergence. June was wet and July was dry. August, September, and October were wet. Harvesting was spread over five days as light rain occurred each day.

West South-Central Illinois: Greenfield. This test represents the moderately poorly drained soils of western south-central Illinois. The soil is Herrick silt loam. The plot is located between Palmyra and Greenfield in Macoupin County on a farm operated by C. H. Ross, Jr. The field was in an area that received near normal rainfall without any period of dry weather. The yields were near the expected average.

Southern Illinois: Brownstown. This test is located at the University of Illinois' Brownstown Experiment Field in Fayette County. D. E. Millis is the area agronomist in charge of research at the field. The soil is Cisne silt loam, a poorly drained, gray prairie soil with a well-developed claypan. Moisture conditions were poor in May and June but adequate rainfall in July and August boosted crop prospects to a better-than-average production. Harvesting was delayed because of wet weather.

Extreme Southern Illinois Bottomland: Dixon Springs. This test is located at the University's Dixon Springs Agricultural Center in Pope County with George McKibben cooperating. The test plot was located on Sharon silt loam, a light-colored, moderately well-drained, medium-textured, bottomland soil. Growing conditions were ideal. Heavy rains at harvest time delayed harvest, increased lodging, and lowered potential yields.

Extreme Southern Illinois Upland: Carbondale. The test at Carbondale represents the typical upland area in southern Illinois. This test is located at the Southern Illinois University Agronomy Research Center where Roy Browning is superintendent. The soil type is Weir silt loam, which is shallow silty loam over claypan. Growing conditions were favorable but early rootworm damage decreased overall stands. Rainfall was adequate for good yields. Heavy rains in October and November increased lodging and final field losses.

Table 2. — Growing Season Rainfall

Field	April	May	June	July	August
			<i>inches</i>		
Woodstock.....	4.17	3.78	5.16	4.83	10.32
DeKalb.....	4.57	4.00	8.81	5.33	8.34
Galesburg.....	4.50	2.68	4.37	5.64	3.37
Elwood.....	3.76	2.31	5.58	5.32	9.05
Augusta.....	3.92	2.23	1.97	3.46	3.85
Stanford.....	4.79	2.37	4.95	1.83	3.40
Urbana.....	4.81	1.40	3.44	2.58	5.71
Greenfield.....	3.56	1.85	4.22	3.17	5.74
Brownstown.....	5.94	1.47	1.26	4.18	4.22
Carbondale.....	5.74	1.75	2.11	5.35	8.05
Dixon Springs.....	10.40	3.71	2.50	5.26	2.41

SOURCES OF SEED

ACCO Seed.....	Anderson-Clayton.....	Belmond, Iowa
Ainsworth Hybrids.....	Ainsworth Seed Co.....	Mason City
Anderson Hybrids.....	The Anderson's.....	P.O. Box 119, Maumee, Ohio
ASGROW Hybrids.....	ASGROW Seed Co.....	Oxford, Indiana
Blaney Hybrids.....	Blaney Farm, Inc.....	R.R. 4, Madison, Wisconsin
Bo-Jac Hybrids.....	Bo-Jac Hybrid Corn Co.....	Mt. Pulaski
C.I. Seed.....	Central Illinois Seed, Inc.....	R.R. 6, Springfield
Coop Hybrids.....	Farmland Industries, Inc.....	P.O. Box 7305, Kansas City, Missouri
Cornelius Hybrids.....	Cornelius Seed Corn Co.....	R.R. 1, Bellevue, Iowa
Corn King Hybrids.....	Malcolm H. Grieve.....	Pierson, Iowa
Dockendorff Hybrids.....	Max Dockendorff.....	Danville, Iowa
Embro Hybrids.....	Embro Seed Co., Inc.....	101 Chouteau Ave., St. Louis, Missouri
Farmers Hybrids.....	Farmers Hybrid Co's., Inc.....	P.O. Box 420, Hampton, Iowa
Federal Hybrids.....	Federal Hybrids.....	R.R. 3, Marion, Iowa
Golden Hybrids.....	Williams Grain Co.....	P.O. Box 147, Goldengate
Gutwein Hybrids.....	Fred Gutwein & Sons, Inc.....	Francesville, Indiana
Hoblit Hybrids.....	Hoblit Seed Co.....	Atlanta
Holden Hybrids.....	Holden's Foundation Seed, Inc.....	Williamsburg, Iowa
Hughes Hybrids.....	Hughes Hybrids, Inc.....	Woodstock
I.F.S. Hybrids.....	Illinois Foundation Seeds, Inc.....	Box 722, Champaign
Lester Pfister Hybrids.....	Pfister Hybrid Corn Co.....	El Paso
Lewis Hybrids.....	Frank W. Lewis & Son Seed Farms.....	Ursa
McAllister Hybrids.....	McAllister Seed Farms.....	Mount Pleasant, Iowa
McCurdy Hybrids.....	W. O. McCurdy & Sons.....	Fremont, Iowa
McNair Hybrids.....	McNair Seed Co.....	P.O. Box 706, Laurinburg, North Carolina
Migro Hybrids.....	Midwest Seed Growers Association, Inc.....	P.O. Box 7, Mitchell, Indiana
Moews Hybrids.....	Moews Seed Co.....	Granville
Morton Hybrids.....	Roy A. Morton & Sons, Inc.....	Bowen
Mountjoy Hybrids.....	Mountjoy Hybrid Seed Co.....	Atlanta
Muncy Chief Hybrids.....	Muncy Chief Hybrids.....	Muncy, Pennsylvania
National Starch Hybrids.....	National Starch & Chemical Corp.....	P.O. Box 37, Watseka
O's Gold Hybrids.....	O's Gold Seed Co., Inc.....	P.O. Box 460, Parkersburg, Iowa
O-Y-O Hybrids.....	O-Y-O Seed Associates, Inc.....	Marysville, Ohio
Pocklington Hybrids.....	Pocklington Bros.....	R.R. 2, Girard
Prairie Stream Hybrids.....	Prairie Stream Farm, Inc.....	Frankfort, Indiana
Pride Hybrids.....	Pride Co., Inc.....	Glen Haven, Wisconsin
Princeton Hybrids.....	Princeton Farms.....	Box 319, Princeton, Indiana
Renk Hybrids.....	Wm. F. Renk & Sons Co., Inc.....	Sun Prairie, Wisconsin
Stewart Hybrids.....	Stewart Hybrids, Inc.....	Princeville
Stull Hybrids.....	Stull Borthers, Inc.....	P.O. Box 7, Sebree, Kentucky
Sturdy-Grow Hybrids.....	Eugene Dallmier.....	Arcola
Super-Crost Hybrids.....	Edw. J. Funk & Sons.....	Kentland, Indiana
Taylor-Evans Hybrids.....	Taylor-Evans Seed Co.....	P.O. Box 489, Tulia, Texas
Teweles Hybrids.....	L. Teweles Seed Co.....	R.R. 1, Clinton, Wisconsin
Todd Hybrids.....	Todd Hybrid Corn Co., Inc.....	Burlington, Indiana
Tracy Hybrids.....	Tracy & Son Farms, Inc.....	R.R. 1, Janesville, Wisconsin
Trisler Hybrids.....	Trisler Seed Farms, Inc.....	Fairmount
Trojan Hybrids.....	Trojan Seed Co.....	Box 367, Windfall, Indiana
Van Horn Hybrids.....	Van Horn Hybrids, Inc.....	Cerro Gordo
Victor Hybrids.....	Polo Seed Co.....	Polo
Weathermaster Hybrids.....	Midwest Research Assoc.....	P.O. Box J, Dassel, Minnesota
Whisnand Hybrids.....	Whisnand Hybrid Corn Co.....	R.R. 1, Arcola
Wyffels Hybrids.....	Wyffels Hybrids.....	R.R. 1, Geneseo

Table 3. — Extreme Northern Illinois: Woodstock (Planted at 18,000 plants per acre in 40-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO U 334.....	114			20.1			71			17687	
ACCO U 348.....	119			20.0			91			17571		
ACCO UC 3201.....	131			22.1			94			17400		
ACCO UC 3301.....	136	152		19.1	19.3		92	100		17666	16833	
ACCO UC 4561.....	134	129		20.8	23.3		86	100		17051	18000	
AINSWORTH X-4473.....	121			23.4			94			17082		
ASGROW RX53.....	105			19.2			97			17921		
CORNELIUS 338X.....	143			21.4			90			18308		
CORNELIUS C56SX.....	140			21.6			69			17201		
CORN KING 1122.....	147	133	127	20.8	20.1	23.1	97	98	88	17106	18000	18000
HUGHES EXP.7.....	107			21.2			98			17968		
HUGHES EXP.19.....	135			22.4			91			16413		
HUGHES EXP.64381.....	116			18.3			89			16991		
HUGHES SLX8.....	134			18.5			96			17529		
HUGHES SLX20.....	141	139	116	20.8	21.9	22.7	91	100	84	17922	17666	17666
HUGHES SLX20C.....	137			21.8			97			17882		
HUGHES SLX29.....	131			20.5			90			16424		
LESTER PFISTER 13.....	120			20.5			90			17935		
LESTER-PFISTER 15.....	134			22.2			96			17944		
LESTER-PFISTER 17.....	128			23.8			87			17903		
LESTER-PFISTER 19.....	147			19.8			95			17945		
LESTER PFISTER 23.....	144			20.6			96			17669		
MOEWS M2221.....	139			21.2			90			16886		
MOEWS M2223.....	114			20.1			92			17673		
MOEWS M3320.....	134	141		20.6	21.4		91	100		17430	18000	
MOEWS SM220.....	124	160	141	19.6	22.4	20.4	90	100	90	18265	18000	17666
MOEWS SM229.....	119	134	112	20.0	21.7	22.9	90	100	87	17321	17500	18000
MOEWS SM231.....	111			19.9			86			16986		
MOEWS SM332.....	143	139		20.0	22.6		96	98		16988	17333	
PRIDE R-200A.....	112			17.4			95			17871		
PRIDE R-450.....	145	155		20.7	21.4		94	98		17347	17833	
PRIDE R-501.....	131	141		20.8	21.9		89	100		17119	18000	
PRIDE R-522.....	135	141		20.7	21.9		86	100		17686	17666	
RENK RK11A.....	124			18.4			89			17255		
SUPER-CROST 2772.....	150	134		21.0	21.3		96	100		17438	18000	
SUPER-CROST 4242.....	149	140		21.4	23.4		92	100		18005	17500	
SUPER-CROST S27.....	151	141	118	20.7	22.2	22.8	95	100	86	17376	17833	18000
SUPER-CROST S28.....	132			19.7			87			17257		
SUPER-CROST S41.....	131	136		22.5	20.3		93	99		17459	17500	
SUPER-CROST S63.....	138	155		21.2	21.8		92	100		16334	18000	
TAYLOR-EVANS GROMASTER.....	112			21.6			91			16897		
TAYLOR-EVANS MARKETMAKER.....	132	148		21.7	19.0		84	100		16582	17666	
TAYLOR-EVANS TIMEMASTER.....	127	142		19.0	18.8		92	100		17373	17666	
TROJAN TXS 94.....	122			17.9			85			17608		
TROJAN TX 100.....	117			17.7			89			17767		
TROJAN TXS 102.....	124			21.3			88			17294		
TROJAN TXS 104.....	113			21.3			75			18108		
TROJAN TXS 107.....	133			20.6			91			17827		
TROJAN TXS 108A.....	162			21.9			92			14852		
TROJAN TX 109.....	131			19.8			95			16471		
TROJAN TXS 109.....	148			24.6			95			17906		
TROJAN TXS 111.....	130			24.2			96			17692		
TROJAN TXS 113.....	141			24.1			96			16584		
VICTOR 150A-VS.....	135			21.0			99			17838		
VICTOR 165-VS.....	139			19.6			94			17674		
WEATHER MASTER EP-50A.....	106			20.9			94			17727		
WEATHER MASTER EPX-5A.....	101			19.7			95			17897		
WEATHER MASTER EPX-6P.....	129			21.1			91			15386		
WEATHER MASTER EPX-5555.....	126			19.3			86			17750		
AVERAGE OF 1972 ENTRIES.....	130			21.0			91			17359		
L. S. D.....	45			2.3			N.S.			N.S.		
C. V.....	15											

Table 4. — Northern Illinois: DeKalb (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO U 370.....	141			21.1			88			15777	
ACCO U 378.....	132	166		21.7	28.4		81	100		17111	17555	
ACCO U 384.....	132			25.1			83			18000		
ACCO UC 3601.....	142			22.3			82			14888		
ACCO UC 5801.....	138	153		22.2	25.1		74	98		16444	17777	
AINSWORTH X-4473.....	115			20.5			91			15555		
BLANEY B-AA.....	126	142	80	21.0	24.5	21.6	82	95	69	16888	18000	18000
BLANEY B-55A.....	117	158		18.8	19.8		87	98		16666	17555	
BLANEY B-701.....	128			20.1			88			16444		
BLANEY B-773.....	136			22.8			85			14888		
BLANEY BX-AA.....	121	164		19.8	22.7		87	98		16888	18000	
CORNELIUS C65SX.....	126			20.0			83			15777		
CORNELIUS SX36A.....	160	162		19.7	26.4		93	94		15111	17777	
CORN KING 2300.....	144	149		21.5	24.8		77	100		14666	18000	
EMBRO VENUS.....	149			21.6			87			18000		
EMBRO X-2.....	107			21.7			95			16222		
EMBRO X-3M.....	130			23.0			80			16000		
EMBRO XP-003.....	159			21.9			83			16222		
EMBRO XP-005.....	139			21.1			99			15333		
HUGHES EXP.31.....	126			24.1			91			15333		
HUGHES EXP.33.....	147			21.2			92			14222		
HUGHES EXP.40703.....	135			22.0			50			16888		
HUGHES SLX30.....	144	141		20.4	27.7		94	96		15777	18000	
MCALLISTER SX7032.....	153			20.8			78			15777		
MIGRO M-0501.....	112	150		20.5	28.0		90	100		16666	16666	
MIGRO M-1010SX.....	112	163	118	23.0	25.9	21.3	87	93	65	14666	17555	17555
MIGRO M-3020.....	152			22.0			87			16222		
MIGRO M-5040.....	143			20.7			85			14888		
MOEWS M2221.....	127			21.9			91			16222		
MOEWS M3320.....	129	156	116	21.1	24.1	23.3	85	97	64	15555	18000	18000
MOEWS M3322.....	124			20.7			86			16444		
MOEWS SM220.....	132	150	127	18.8	21.2	19.3	85	100	78	16666	17111	17777
MOEWS SM229.....	123	156	95	21.2	25.5	21.4	87	100	73	16444	17555	15777
MOEWS SM331.....	131			22.8			73			16444		
MOEWS SM332.....	135	152		19.9	23.8		87	100		17111	17555	
PRAIRIE STREAM GOLDEN CROSS SX1B.....	122			20.9			81			18000		
PRIDE R-450.....	134	170		20.1	24.8		90	98		16444	17777	
PRIDE R-601.....	137	158		21.9	26.3		94	100		16888	17777	
RENK RK44.....	100	155		21.1	23.1		92	97		17333	18000	
STEWART SX54.....	181			25.5			95			14000		
STEWART SX68.....	136			23.9			91			14000		
STEWART SX72.....	124			25.0			92			15555		
STEWART SX99.....	120			24.7			88			14888		
SUPER-CROST 2772.....	129			21.5			93			17111		
SUPER-CROST 4242.....	147			20.7			88			16666		
SUPER-CROST S41.....	124			21.2			80			15777		
SUPER-CROST S63.....	133			18.1			88			18000		
TAYLOR-EVANS GROMASTER.....	131			21.3			84			14000		
TAYLOR-EVANS MASTERMAKER.....	103			26.5			94			18000		
TAYLOR-EVANS M-20-W.....	110			27.6			87			17111		
TODD 130A.....	122			20.2			84			14666		
TODD M30.....	128			19.7			89			18000		
TODD M50.....	129			20.9			88			16888		
TODD M55.....	128			20.0			91			18000		
TODD M55A.....	140			19.2			81			15555		
TROJAN TXS 94.....	106			18.9			89			17111		
TROJAN TXS 102.....	124	172	125	19.8	23.8	22.8	98	98	73	17111	18000	16888
TROJAN TXS 103.....	111	165	115	18.4	21.4	20.7	80	100	86	17777	17555	16666
TROJAN TXS 104.....	124	159	124	19.0	26.1	22.6	82	100	80	18000	18000	16666
TROJAN TXS 107.....	145	147	126	18.5	24.7	22.0	94	100	87	18000	17333	17777
TROJAN TX 109.....	136			19.2			93			17777		
TROJAN TXS 109.....	132			22.1			93			17555		
TROJAN TXS 111.....	116			20.0			84			16444		
TROJAN TX 113.....	137			24.7			90			17111		
TROJAN TXS 113.....	143	186		22.3	30.9		94	100		16444	17555	
WEATHER MASTER EPX-5A.....	114			19.9			87			15555		
WEATHER MASTER EPX-6P.....	113			22.9			92			17333		
WEATHER MASTER EPX-5555.....	120			21.6			81			17555		
AVERAGE OF 1972 ENTRIES.....	130			21.3			87			16333		
L. S. D.....	31			2.2			13			2500		
C. V.....	13											

Table 4a. — Northern Illinois: DeKalb, Increased Planting Rate (Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO U 348.....	151			22.1			80			21099	
ACCO U 370.....	134			22.7			81			20871		
ACCO UC 3201.....	132			21.1			88			21572		
ACCO UC 3301.....	150	169		22.6	25.8		84	97		20966	23333	
ACCO UC 5801.....	152			22.7			77			19714		
AINSWORTH X-4473.....	156			20.0			92			19266		
ASGROW RX53.....	132			20.9			79			23270		
ASGROW RX58.....	149	145		19.6	25.6		94	100		21160	24000	
BLANEY B-AA.....	158	145	134	20.0	24.1	21.6	84	100	42	22141	23333	23111
BLANEY B-773.....	139			21.3			87			23162		
BLANEY BX-AA.....	144	169		19.8	25.3		91	100		22859	24000	
BO-JAC X15E.....	170	173		19.7	23.5		92	100		22392	23555	
BO-JAC X35.....	145	159	125	22.8	28.7	20.6	87	100	30	20424	23333	24000
CORNELIUS C45SX.....	116			22.6			83			21653		
CORNELIUS C56SX.....	132			20.5			62			19725		
CORNELIUS C65SX.....	142			23.5			85			21659		
CORNELIUS SX36A.....	161	160	122	22.8	27.0	21.7	95	100	65	21702	23111	22666
HOLDEN 1006.....	191			20.0			80			19261		
HOLDEN 1015.....	134			23.1			80			17067		
HUGHES EXP.33.....	152			23.3			88			16508		
HUGHES EXP.15032.....	144			20.0			92			20790		
HUGHES EXP.15453.....	156			25.1			88			20871		
HUGHES EXP.37703.....	156			23.2			64			21624		
HUGHES EXP.40303.....	180			22.9			91			21532		
HUGHES EXP.40703.....	121			20.6			32			20784		
HUGHES SLX20.....	135	163	126	23.5	24.4	21.5	89	100	60	21798	23777	22222
LESTER-PFISTER 14.....	139	136		23.9	29.0		82	97		21826	22444	
LESTER-PFISTER 15.....	133	140		23.6	26.2		79	99		21194	24000	
LESTER-PFISTER 17.....	121	129		24.5	26.9		88	100		22277	24000	
LESTER-PFISTER 19.....	132	169		21.9	27.3		87	99		19310	24000	
LESTER PFISTER 23.....	150			20.9			83			23333		
LESTER-PFISTER 27.....	122	154		21.5	26.3		69	100		21258	23555	
MCALLISTER SX7066.....	168	173		21.1	24.8		81	99		22597	24000	
MIGRO M-0501.....	170	155		22.1	30.6		88	99		20368	23777	
MIGRO M-1010SX.....	139	156	119	20.8	25.2	21.7	96	98	43	19477	22888	24000
MIGRO M-3020.....	151			23.0			82			18986		
MIGRO M-5040.....	124			21.6			73			22118		
MOEWS M2221.....	153			20.2			95			18519		
MOEWS M2223.....	144			18.1			82			21122		
MOEWS M3322.....	126			21.3			67			22715		
MOEWS SM220.....	141	154	147	18.3	21.1	20.0	78	100	64	20914	23777	22666
MOEWS SM229.....	138	144	131	21.4	25.7	22.1	91	100	42	21218	22222	24000
MOEWS SM332.....	145	153	146	20.8	24.7	20.4	88	100	75	18037	23777	21555
MOEWS SM432.....	153			24.3			86			21532		
MUNCY CHIEF H764.....	166			24.8			73			22568		
MUNCY CHIEF SX662.....	156			25.8			95			19212		
MUNCY CHIEF SX777.....	140			24.5			76			18839		
MUNCY CHIEF SX878.....	178			27.2			94			20479		
O'S GOLD EX1102.....	166			23.6			83			21408		
POCKLINGTON P-443.....	147			22.5			87			21526		
PRIDE R-450.....	160	145		22.0	25.6		88	100		21558	24000	
PRIDE R-540.....	156	145		21.6	27.3		86	100		19965	23777	
PRIDE R-601.....	168	134		22.6	28.4		59	100		18686	24000	
RENK RK44.....	131	157	104	19.9	23.0	21.1	91	100	65	22196	23555	23777
STEWART EB-10.....	141			20.5			77			20813		
SUPER-CROST 1712.....	147			20.5			94			20929		
SUPER-CROST 2552.....	158	156		20.4	24.5		88	100		23007	23555	
SUPER-CROST 2772.....	163	153		22.1	26.2		95	99		20343	24000	
SUPER-CROST 4242.....	166	149		22.5	26.6		85	99		20302	22666	
SUPER-CROST 6222.....	140			22.4			68			20358		
SUPER-CROST S25.....	175	159		20.5	24.3		86	98		23122	23111	
SUPER-CROST S27.....	143	155	139	21.0	25.3	21.3	93	99	68	22077	22666	23555
SUPER-CROST S28.....	129	153		21.7	27.3		84	99		24000	24000	
SUPER-CROST S41.....	151	157		20.2	28.3		69	100		22092	24000	
SUPER-CROST S63.....	136	156		20.0	27.4		85	99		21255	22000	

Table 4a. — DeKalb, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
TEWELES SXT3655.....	154			21.8			97			22536		
TEWELES TXT92.....	185			22.0			89			22738		
TODD 130A.....	110			21.1			74			23552		
TODD M30.....	130	159	121	22.7	25.6	21.5	85	99	53	19936	24000	22888
TODD M50.....	133			20.3			85			22429		
TODD M55.....	167	135	96	18.8	25.0	19.9	79	100	72	21007	24000	22666
TODD M55A.....	145			20.3			75			22438		
TRACY T205SXR.....	135			21.7			85			21315		
TRACY T209SX.....	143	164	115	21.1	27.8	20.1	79	98	59	19876	24000	22666
TROJAN TXS 94.....	113			19.8			89			23893		
TROJAN TXS 99.....	149			19.7			95			22718		
TROJAN TX 100.....	116			18.7			85			20461		
TROJAN TXS 102.....	138			20.1			91			23070		
TROJAN TXS 104.....	124			20.9			59			23116		
TROJAN TXS 107.....	193			18.6			89			22375		
TROJAN TX 109.....	164			19.9			91			22201		
TROJAN TXS 109.....	146			21.9			92			22981		
TROJAN TXS 111.....	126			20.4			79			23206		
TROJAN TXS 113.....	178			23.7			85			22868		
VICTOR 150A-VS.....	160	154		21.6	25.3		88	99		21985	23111	
VICTOR 165-VS.....	137	168		21.3	23.0		90	100		22657	24000	
WEATHER MASTER EPX-5A.....	118			21.3			80			21876		
WEATHER MASTER EPX-6P.....	145			21.0			85			19373		
WEATHER MASTER EPX-5555.....	88			23.5			37			22297		
WYFFELS W-71.....	147			23.3			97			17448		
WYFFELS W-200.....	142			20.6			68			21809		
WYFFELS W-444.....	164			21.8			93			18710		
WYFFELS W-500.....	167			20.8			88			20288		
WYFFELS W-610.....	137			22.7			79			19835		
AVERAGE OF 1972 ENTRIES.....	146			21.7			88			21149		
L. S. D.....	43			3.0			16			4000		
C. V.....	15											

Table 5. — West North-Central Illinois: Galesburg (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	ACCO U 384.....	140			21.2			58			18000			ACCO U 392.....	144			22.6			65			17333			ACCO UC 8801.....	179			21.0			65			18000			ACCO UC 9101.....	133			21.3			74			18000			ACCO UC 9301.....	126			21.5			80			18000			AINSWORTH X-1129.....	170			20.8			56			18000			AINSWORTH X-1306.....	147			20.2			71			18000			AINSWORTH X-7178.....	166	159		22.2	21.6		57	98		18000	18000		AINSWORTH X-8493.....	172			21.0			82			18000			CORN KING 1152.....	131			20.2			66			18000			EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16										
ACCO U 392.....	144			22.6			65			17333			ACCO UC 8801.....	179			21.0			65			18000			ACCO UC 9101.....	133			21.3			74			18000			ACCO UC 9301.....	126			21.5			80			18000			AINSWORTH X-1129.....	170			20.8			56			18000			AINSWORTH X-1306.....	147			20.2			71			18000			AINSWORTH X-7178.....	166	159		22.2	21.6		57	98		18000	18000		AINSWORTH X-8493.....	172			21.0			82			18000			CORN KING 1152.....	131			20.2			66			18000			EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																								
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ACCO UC 9301.....	126			21.5			80			18000			AINSWORTH X-1129.....	170			20.8			56			18000			AINSWORTH X-1306.....	147			20.2			71			18000			AINSWORTH X-7178.....	166	159		22.2	21.6		57	98		18000	18000		AINSWORTH X-8493.....	172			21.0			82			18000			CORN KING 1152.....	131			20.2			66			18000			EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																															
AINSWORTH X-1129.....	170			20.8			56			18000			AINSWORTH X-1306.....	147			20.2			71			18000			AINSWORTH X-7178.....	166	159		22.2	21.6		57	98		18000	18000		AINSWORTH X-8493.....	172			21.0			82			18000			CORN KING 1152.....	131			20.2			66			18000			EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																												
AINSWORTH X-1306.....	147			20.2			71			18000			AINSWORTH X-7178.....	166	159		22.2	21.6		57	98		18000	18000		AINSWORTH X-8493.....	172			21.0			82			18000			CORN KING 1152.....	131			20.2			66			18000			EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																									
AINSWORTH X-7178.....	166	159		22.2	21.6		57	98		18000	18000		AINSWORTH X-8493.....	172			21.0			82			18000			CORN KING 1152.....	131			20.2			66			18000			EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																						
AINSWORTH X-8493.....	172			21.0			82			18000			CORN KING 1152.....	131			20.2			66			18000			EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																			
CORN KING 1152.....	131			20.2			66			18000			EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																
EMBRO JUPITER.....	146	135		20.1	22.7		61	98		18000	18000		EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																													
EMBRO VENUS.....	121	135		20.4	23.3		80	98		18000	18000		EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																										
EMBRO X-2.....	116			19.1			62			17555			EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																							
EMBRO X-3M.....	134	143		20.4	24.9		72	93		17777	18000		EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																				
EMBRO X-4.....	123	156		22.3	28.2		85	100		17777	18000		EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																	
EMBRO XP-005.....	155			18.9			80			17555			EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																														
EMBRO XP-007.....	93			19.0			46			18000			LEWIS X31B.....	111			19.5			70			18000			LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																											
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LEWIS X21B.....	120			18.5			37			18000			MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																																																					
MCALLISTER SX6837.....	165	146	133	21.3	28.4	22.4	62	97	90	17555	18000	18000	MCALLISTER SX7075.....	149			19.2			59			18000			MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																																																																		
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MCALLISTER SX7196.....	140			21.5			63			16666			MOEWS M7622.....	169			23.8			75			17777			MOEWS SM421.....	150	168		21.0	22.1		38	98		17777	17777		MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																																																																																												
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MOEWS SM422.....	154			20.3			68			18000			MOEWS SM432.....	154			20.2			76			18000			MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																																																																																																																																			
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MOEWS SM721.....	159	143	121	20.8	26.2	20.4	72	98	89	18000	18000	16666	MOEWS SM822.....	149	159	181	20.8	24.9	24.3	74	95	87	17777	18000	18000	MORTON MXL57.....	151			21.8			82			18000			STEWART S-377.....	128			22.2			82			18000			STEWART EXP.SX78.....	161			24.2			65			17333			STEWART SX58.....	146			20.1			66			17333			STEWART SX68.....	167			20.1			79			18000			STEWART SX71.....	102			20.2			69			18000			STEWART SX99.....	127			20.3			59			17777			TROJAN TXS 107.....	147			18.4			84			17777			TROJAN TXS 108A.....	132			20.4			77			16222			TROJAN TX 109.....	149			18.3			70			17333			TROJAN TXS 109.....	172			19.4			73			18000			TROJAN TXS 111.....	156			19.2			65			18000			TROJAN TX 113.....	186			20.7			92			18000			TROJAN TXS 113.....	155			20.9			72			17555			TROJAN TXS 117.....	124			20.1			76			18000			TROJAN TX 119.....	125			21.2			75			18000			TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																																																																																																																																																													
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TROJAN TXS 119.....	161			20.9			73			17777			AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
AVERAGE OF 1972 ENTRIES.....	145			20.6			69			17769			L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
L. S. D.....	49			1.7			N. S.			N.S.			C. V.....	16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
C. V.....	16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Table 5a. — West North-Central Illinois: Galesburg, Increased Planting Rate (Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE																																																																																																																																																																																								
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970																																																																																																																																																																																						
	ACCO UC 4601.....	136			19.0			37			22218			ACCO UC 5801.....	131			20.7			22			22451			ACCO UC 8851.....	140	146		20.2	21.0		50	94		22921	24000		ACCO UC 9101.....	147			19.9			34			22844			ACCO UC 9301.....	148			21.3			54			23990			AINSWORTH X-1129.....	112			20.1			45			23307			AINSWORTH X-1306.....	130			21.0			46			23762			AINSWORTH X-8493.....	137			20.5			69			23300			ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199	
ACCO UC 5801.....	131			20.7			22			22451			ACCO UC 8851.....	140	146		20.2	21.0		50	94		22921	24000		ACCO UC 9101.....	147			19.9			34			22844			ACCO UC 9301.....	148			21.3			54			23990			AINSWORTH X-1129.....	112			20.1			45			23307			AINSWORTH X-1306.....	130			21.0			46			23762			AINSWORTH X-8493.....	137			20.5			69			23300			ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199															
ACCO UC 8851.....	140	146		20.2	21.0		50	94		22921	24000		ACCO UC 9101.....	147			19.9			34			22844			ACCO UC 9301.....	148			21.3			54			23990			AINSWORTH X-1129.....	112			20.1			45			23307			AINSWORTH X-1306.....	130			21.0			46			23762			AINSWORTH X-8493.....	137			20.5			69			23300			ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																												
ACCO UC 9101.....	147			19.9			34			22844			ACCO UC 9301.....	148			21.3			54			23990			AINSWORTH X-1129.....	112			20.1			45			23307			AINSWORTH X-1306.....	130			21.0			46			23762			AINSWORTH X-8493.....	137			20.5			69			23300			ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																									
ACCO UC 9301.....	148			21.3			54			23990			AINSWORTH X-1129.....	112			20.1			45			23307			AINSWORTH X-1306.....	130			21.0			46			23762			AINSWORTH X-8493.....	137			20.5			69			23300			ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																						
AINSWORTH X-1129.....	112			20.1			45			23307			AINSWORTH X-1306.....	130			21.0			46			23762			AINSWORTH X-8493.....	137			20.5			69			23300			ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																			
AINSWORTH X-1306.....	130			21.0			46			23762			AINSWORTH X-8493.....	137			20.5			69			23300			ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																																
AINSWORTH X-8493.....	137			20.5			69			23300			ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																																													
ASGROW RX60.....	127	141		17.6	15.3		78	97		24035	24000		ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																																																										
ASGROW RX70.....	162	126		18.5	20.2		82	90		23571	24000		BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																																																																							
BO-JAC X7L.....	154			22.5			39			24039			BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																																																																																				
BO-JAC X7L(E).....	132			21.7			24			23845			BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																																																																																																	
BO-JAC X35.....	164	148	147	19.4	21.1	18.2	67	96	81	23583	24000	19555	BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																																																																																																														
BO-JAC X37.....	123	158		19.2	22.8		35	98		23973	23555		BO-JAC X43.....	124			20.1			27			22199																																																																																																																																																																											
BO-JAC X43.....	124			20.1			27			22199																																																																																																																																																																																								

Table 5a. — Galesburg, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	80-JAC X51.....	89	162		19.0	20.1		4	96		23968	23111
80-JAC X62.....	172			20.6			83			22599		
COOP S-201.....	160			19.4			71			23140		
DOCKENDORFF D11.....	139			19.3			55			23975		
DOCKENDORFF D14.....	122	153		19.3	21.6		28	98		24000	24000	
DOCKENDORFF D17.....	115	164	136	21.5	29.2	20.7	24	99	92	23537	24000	22666
FEDERAL FX34.....	125			19.4			60			23596		
FEDERAL FX59.....	116			21.4			36			23040		
HOLDEN 1008.....	117	172		20.1	22.9		45	95		23965	24000	
HOLDEN 1011.....	136			20.2			38			23763		
HOLDEN 1016.....	161			20.9			61			23792		
HUGHES EXP.26323.....	173			16.9			61			24067		
HUGHES EXP.28703.....	143			21.3			43			24045		
HUGHES EXP.37703.....	150			18.8			28			24001		
HUGHES SLX30.....	127	151		19.1	20.5		11	89		23345	24000	
HUGHES SLX40A.....	128			21.6			29			23794		
LESTER-PFISTER 11.....	101			20.7			31			23985		
LESTER-PFISTER 14.....	146			19.9			50			23982		
LESTER-PFISTER 15.....	156			19.7			62			23999		
LESTER-PFISTER 17.....	124			20.4			67			23317		
LESTER PFISTER 23.....	123			18.8			64			23790		
LESTER-PFISTER 27.....	183			17.7			46			23078		
LEWIS X208.....	161			18.7			76			22237		
LEWIS X78B.....	114			22.5			38			23801		
LEWIS X80B.....	159			21.5			71			23957		
MCALLISTER SX6837.....	152	168	137	22.4	27.6	21.7	37	95	92	23369	23333	23333
MCALLISTER SX7071.....	157			19.5			59			24043		
MCALLISTER SX7075.....	136	161		18.9	20.9		10	97		23561	24000	
MCALLISTER SX7084.....	118			19.5			75			23561		
MCALLISTER SX7176.....	186			20.4			22			23497		
MCCURDY MSP888.....	148			21.2			26			23570		
MCCURDY MSX55A.....	87			19.0			10			23979		
MCCURDY MSX67.....	182			19.3			55			24067		
MOEWS M7622.....	138			23.8			44			23957		
MOEWS SM327A.....	131	150		20.0	22.3		33	97		23937	24000	
MOEWS SM332.....	150			17.2			55			23566		
MOEWS SM421.....	133			20.2			18			23839		
MOEWS SM422.....	144			20.9			60			24003		
MOEWS SM429.....	135	149	102	20.4	22.7	18.5	63	95	81	23961	23777	23111
MOEWS SM432.....	157	159	99	21.2	27.0	18.3	65	94	90	23997	24000	21777
MOEWS SM822.....	155			20.8			44			24008		
MOEWS WM438.....	129			21.1			51			24002		
MORTON 3500.....	128			19.1			67			21772		
MORTON 6700.....	122			21.9			65			23121		
POCKLINGTON P-661.....	135			20.5			59			23546		
POCKLINGTON P-6342.....	110			21.7			51			24018		
RENK RK44.....	151	143	93	18.8	14.5	17.9	85	96	77	24022	23777	23333
RENK RK55.....	153			19.1			43			23520		
RENK RK66.....	184			20.2			70			23198		
SUPER-CROST 4242.....	158	143		18.4	20.8		59	95		23127	24000	
SUPER-CROST 6222.....	146			20.1			41			23983		
SUPER-CROST 7772.....	139	159		21.5	23.3		36	97		24027	24000	
SUPER-CROST S63.....	118	156		19.4	18.7		11	99		23325	23777	
SUPER-CROST S65.....	147	133	163	19.7	21.9	20.5	44	97	91	23538	24000	21555
SUPER-CROST S69.....	170	143	92	20.0	22.3	19.0	86	100	95	23302	24000	21333
SUPER-CROST S85.....	127			21.5			56			23379		
TROJAN TXS 102.....	143	143	121	18.3	16.2	18.7	63	94	85	23735	24000	23333
TROJAN TX 109.....	179			17.9			85			23779		
TROJAN TXS 109.....	167			19.6			92			23606		
TROJAN TXS 111.....	133			20.5			56			23726		
TROJAN TX 113.....	156			20.4			58			23997		
TROJAN TXS 113.....	151	168		20.4	24.2		56	94		23977	24000	
TROJAN TX 117.....	164			21.2			66			23926		
TROJAN TXS 117.....	143			19.8			42			23785		
TROJAN TXS 118.....	149	152		21.1	24.1		36	97		23555	23555	
TROJAN TX 119.....	130	168		21.5	27.1		42	96		24014	24000	
VICTOR 330 VS.....	120			19.5			8			23790		
VICTOR 440 VS.....	127			19.3			41			22854		
AVERAGE OF 1972 ENTRIES.....	143			20.1			50			23568		
L. S. D.....	51			1.5			30			N.S.		
C. V.....	18											

Table 6. — East North-Central Illinois: Elwood, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO UC 4601.....	93			19.3			46			20701	
ACCO UC 5801.....	149			20.3			64			23642		
ACCO UC 8801.....	134			20.5			88			19454		
ACCO UC 9101.....	143	133		20.5	26.5		72	100		22886	24000	
ACCO UC 9301.....	145			21.9			74			23603		
AINSWORTH X-20A.....	155	155		21.3	27.3		89	100		23165	24000	
AINSWORTH X-1129.....	139			20.8			76			24505		
AINSWORTH X-1306.....	134			21.5			80			22816		
AINSWORTH X-4473.....	134			19.2			95			21962		
GUTWEIN 40.....	141	137		17.8	20.7		92	98		24225	24000	
GUTWEIN 69A.....	145	132	119	18.9	23.0	21.4	85	97	85	22416	22222	24000
GUTWEIN 70A.....	115	120		19.3	24.7		61	99		23397	22000	
GUTWEIN 125.....	122	109		18.3	22.4		86	100		22713	24000	
HUGHES EXP.15032.....	123			19.1			79			21869		
HUGHES EXP.15453.....	132			20.7			81			22574		
HUGHES EXP.26323.....	142			17.9			93			22149		
HUGHES EXP.36703.....	122			19.5			51			23981		
HUGHES EXP.40303.....	146			21.1			98			23379		
HUGHES EXP.40703.....	109			18.4			16			23302		
HUGHES SLX20.....	133	117	100	19.0	21.8	20.2	91	100	78	22104	23777	23111
HUGHES SLX29.....	145	130		18.3	19.4		95	98		24160	22666	
HUGHES SLX30.....	110	119		18.0	23.9		66	100		23885	23333	
LESTER-PFISTER 14.....	123			20.4			78			21864		
LESTER-PFISTER 15.....	141			18.9			90			23006		
LESTER-PFISTER 17.....	140			20.1			82			22798		
LESTER-PFISTER 19.....	154			17.7			82			24223		
LESTER PFISTER 23.....	137			18.8			86			24270		
LESTER-PFISTER 27.....	141			19.9			69			23596		
MCALLISTER SX6837.....	131	134	127	21.9	27.5	25.8	77	100	87	23189	23333	24000
MCALLISTER SX7032.....	137	155		19.7	23.6		69	100		22344	23333	
MCALLISTER SX7075.....	119			19.2			35			24052		
MCALLISTER SX7176.....	141			21.5			40			16008		
MDEWS M3322.....	105			18.5			63			22677		
MDEWS M3421.....	128			18.0			85			24102		
MDEWS M3430.....	175			18.6			83			23002		
MDEWS SM229.....	145	138	118	19.3	21.3	21.2	84	100	87	23392	24000	23111
MDEWS SM327A.....	124			19.9			57			23258		
MDEWS SM331.....	128			21.0			78			23745		
MDEWS SM332.....	153			18.6			82			23596		
MDEWS SM429.....	149	127	107	20.2	28.2	22.3	76	98	77	23047	23111	23777
MDEWS SM432.....	156	136		20.7	30.2		81	99		22753	24000	
MDEWS WM432.....	119			21.5			74			21960		
PRIDE R-601.....	135	110		18.8	22.3		84	95		23959	22000	
PRIDE R-728.....	139	119		19.5	20.7		72	90		22310	24000	
PRIDE R-771.....	143	92		19.9	23.2		78	98		23280	22888	
PRIDE R-810.....	134	97		19.7	25.8		91	99		23418	23555	
RENK RK44.....	149	126		19.4	19.2		88	100		23997	24000	
SUPER-CROST 4242.....	151	116		19.4	25.0		79	100		23084	23111	
SUPER-CROST 5272.....	136			18.3			93			22848		
SUPER-CROST S25.....	153	115		17.6	21.2		82	100		23177	24000	
SUPER-CROST S27.....	148	130	113	18.2	20.7	21.0	96	99	88	22711	23555	24000
SUPER-CROST S28.....	138	134		18.0	22.5		81	99		24146	24000	
SUPER-CROST S63.....	135			17.0			68			21490		
SUPER-CROST S69.....	129	90	105	19.5	27.0	23.5	91	100	87	21682	23555	23111
TROJAN TXS 99.....	140			18.3			93			23678		
TROJAN TXS 102.....	147	142	115	18.2	19.7	21.2	97	100	93	24156	23333	24000
TROJAN TXS 104.....	133	131	123	19.9	21.0	21.2	86	100	93	23709	23777	24000
TROJAN TXS 108A.....	132	148	121	18.9	21.6	20.7	96	100	90	20662	23333	23555
TROJAN TX 109.....	136			18.4			96			20831		
TROJAN TXS 109.....	141			19.0			90			22278		
TROJAN TXS 111.....	142			16.3			91			23099		
TROJAN TX 113.....	147			20.6			94			22287		
TROJAN TXS 113.....	159	129		20.9	26.4		87	99		23333	24000	
TROJAN TX 119.....	131			20.2			78			22898		
VICTOR 330 VS.....	115			19.5			67			21875		
Average of 1972 entries.....	136			19.5			80			22830		
L. S. D.....	34			2.5			18			2700		
C. V.....	14											

Table 7. — West-Central Illinois: Augusta (Planted at 18,000 plants per acre in 38-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO AR 02908.....	118			20.6			89			18000	
ACCO U 384.....	98	171		22.4	20.3		81	99		17500	18000	
ACCO U 392.....	99			25.6			83			18000		
ACCO UC 8801.....	124			24.5			88			17833		
ACCO UC 9301.....	101			27.3			89			17666		
AINSWORTH X-1129.....	126			23.2			90			18000		
AINSWORTH X-1306.....	57			20.9			63			17666		
AINSWORTH X-7178.....	104			24.5			73			17833		
AINSWORTH X-8493.....	129			23.5			97			16500		
BO-JAC X7L (X77L).....	94	162	98	25.4	22.8	24.4	82	99	90	17500	18000	17000
BO-JAC X51.....	89	173	105	20.2	20.0	22.5	83	95	87	18000	17833	17500
BO-JAC X55.....	118	202		21.3	21.2		87	94		16500	18000	
HOBLIT XR447A.....	81			19.6			55			16833		
HOBLIT XR451.....	112			22.4			87			18000		
LESTER-PFISTER 11.....	110			22.2			82			16333		
LESTER-PFISTER 14.....	114			20.8			81			17666		
LESTER-PFISTER 17.....	86			17.2			84			18000		
LESTER-PFISTER 27.....	111			21.0			93			17500		
LESTER-PFISTER 28.....	133			18.3			93			17333		
LESTER-PFISTER 62.....	116			23.0			86			18000		
LEWIS EXP.3.....	93			24.6			78			17666		
LEWIS X788.....	128			24.2			91			17333		
MCALLISTER SX7001.....	109	169		21.0	20.5		87	96		17500	18000	
MCALLISTER SX7176.....	93			22.7			70			18000		
MCCURDY MSP888.....	111			23.0			81			15833		
MCCURDY MSX85.....	115			19.7			73			17500		
MOEWS M7622.....	107			27.5			75			16000		
MOEWS SM422.....	124			22.6			88			18000		
MOEWS SM429.....	113	173		19.7	20.4		85	98		16666	18000	
MOEWS SM621.....	96			22.0			84			17166		
MOEWS SM721.....	112	170	97	23.1	23.3	24.7	86	96	85	16666	18000	14333
MOEWS SM730.....	96			23.0			61			16833		
MOEWS SM822.....	117	166	110	20.8	24.4	28.4	86	90	92	18000	17500	16833
MORTON 4901.....	122			23.8			78			17833		
MORTON 6700.....	131			25.2			88			17333		
MORTON MXL57.....	107			23.3			81			17166		
TROJAN TX 109.....	107			17.6			85			17500		
TROJAN TXS 109.....	131			20.3			92			17000		
TROJAN F 111A.....	120			19.7			92			17666		
TROJAN TXS 111.....	116			18.2			84			18000		
TROJAN TX 113.....	126			22.2			89			17166		
TROJAN TXS 113.....	140	182		24.2	22.1		92	99		17666	17833	
TROJAN M 114.....	97			18.6			88			16833		
TROJAN TXS 117.....	149			21.7			90			17166		
TROJAN TXS 119A.....	112			20.8			91			17333		
TROJAN TXS 122.....	113			22.1			94			18000		
VAN HORN CAP 202.....	117			25.0			80			17000		
VAN HORN CAP 272.....	115			24.1			93			17333		
AVERAGE OF 1972 ENTRIES.....	112			22.2			84			17387		
L. S. D.....	36			2.5			22			N.S.		
C. V.....	17											

Table 8. — Central Illinois: Stanford, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO U 378.....	150	151		22.1	19.7		53	99		22211	24000
ACCO UC 5801.....	144			20.5			66			22391		
ACCO UC 8801.....	142			22.1			76			21727		
ACCO UC 9101.....	128			22.6			84			22623		
ACCO UC 9301.....	146			23.5			56			23686		
AINSWORTH X-1129.....	147			22.6			70			22110		
AINSWORTH X-1306.....	174			22.9			59			22843		
AINSWORTH X-4473.....	132			20.6			85			22977		
AINSWORTH X-7178.....	182			22.5			48			22767		
BO-JAC X7L.....	130	153	118	23.0	25.0	24.5	63	99	85	23960	24000	24000
BO-JAC X7L (E).....	122			20.9			25			22947		
BO-JAC X43.....	136			20.7			53			21608		
BO-JAC X53.....	143	146	139	21.5	18.8	22.8	43	100	93	22252	24000	23555
BO-JAC X62.....	154			21.2			87			21420		
BO-JAC X65.....	110			23.4			52			23145		
BO-JAC X77L.....	169	165		22.3	23.0		68	100		22624	23555	
BO-JAC X83 (E).....	174			21.8			88			22469		
BO-JAC X84.....	169	161		23.1	21.0		32	99		23308	24000	
COOP S-304.....	164	95	116	22.4	20.9	21.7	41	100	66	22806	23111	23777
COOP T-319.....	113			21.8			87			23299		
GUTWEIN 40.....	144			19.1			86			22186		
GUTWEIN 42.....	117			20.9			42			23300		
GUTWEIN 60.....	122			21.7			64			22356		
GUTWEIN 65.....	128			24.1			59			22568		
GUTWEIN 69A.....	131			20.2			64			22947		
GUTWEIN 80.....	178			22.9			62			23458		
GUTWEIN 88.....	128			21.1			90			20970		
GUTWEIN 167.....	127			21.6			74			21612		
HOB LIT EXP.907.....	113			21.0			52			21391		
HOB LIT XR448A.....	208			23.0			77			22815		
HOB LIT XR451.....	149			22.8			83			21228		
HUGHES SLX30.....	136	165		18.8	16.8		57	99		21009	23111	
HUGHES SLX40A.....	100	168		22.7	24.6		57	99		21334	24000	
LESTER-PFISTER 11.....	111			19.6			55			20787		
LESTER-PFISTER 14.....	90			19.9			77			22201		
LESTER-PFISTER 15.....	153			20.4			82			21496		
LESTER-PFISTER 17.....	121			20.3			52			21770		
LESTER-PFISTER 27.....	134			18.1			87			22534		
LESTER-PFISTER 28.....	138			22.1			52			23182		
LESTER-PFISTER 62.....	156			21.3			72			23333		
LEWIS X858.....	127			22.2			26			24120		
LEWIS X868.....	116			23.2			19			23772		
LEWIS X348.....	211			23.1			88			22665		
LEWIS X788.....	135			22.7			71			23270		
LEWIS X808.....	139			23.7			87			23237		
MCALLISTER SX7001.....	135	143		21.8	18.9		61	100		22610	24000	
MCALLISTER SX7075.....	127			19.8			57			23474		
MCALLISTER SX7176.....	160			23.5			48			23550		
MIGRO M-46SX.....	115	139		21.9	21.5		67	100		22410	22222	
MIGRO M-0501.....	157	143		20.7	17.3		84	99		21202	24000	
MIGRO M-0711.....	155	149		23.3	23.8		67	99		21729	24000	
MIGRO M-1010SX.....	133			20.1			82			23536		
MIGRO M-6646.....	127			21.8			81			20020		
MIGRO M-6666.....	152			22.5			81			22419		
MIGRO M-7101.....	123			23.9			77			22646		
MOEWS M8833.....	155			21.4			85			21873		
MOEWS SM327A.....	190	137	119	20.2	18.4	22.5	54	99	49	21980	24000	24000
MOEWS SM421.....	111	158		20.8	20.2		68	100		22676	24000	
MOEWS SM422.....	154			20.3			80			21571		
MOEWS SM432.....	193	148		22.8	21.2		78	100		23264	23111	
MOEWS SM520.....	130	134	97	22.5	19.1	21.7	41	100	36	22522	23777	24000
MOEWS SM822.....	147			22.3			75			22666		
MOEWS WM327.....	147			22.9			73			21986		
MOEWS WM438.....	143			21.0			72			21075		
MOUNTJOY M-3-29.....	148			22.3			83			22260		
MOUNTJOY M-3-51.....	117			19.6			79			22739		
MOUNTJOY M-SX-16A.....	134			19.5			87			22677		
NAT-STARCH 140.....	108			19.2			83			22004		
NAT-STARCH 240.....	98			20.2			36			21634		
NAT-STARCH 255.....	128			21.5			70			23730		

Table 8. — Stanford, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	NAT-STARCH 325.....	139			21.4			61			20617	
NAT-STARCH 410.....	128			21.3			29			23467		
NAT-STARCH 410A.....	122			22.4			81			23410		
NAT-STARCH 411.....	148			20.5			92			23223		
O'S GOLD SX3344.....	150			20.1			65			22349		
O'S GOLD SX5200.....	176			23.0			32			23942		
O-Y-O 220.....	170			18.5			91			22939		
O-Y-O 505.....	114			21.8			54			21927		
O-Y-O 4330.....	136			22.0			61			23615		
RENK RK55.....	123			19.7			51			24038		
RENK RK66.....	151			22.5			79			23788		
STEWART S-377.....	115			22.7			56			22657		
STEWART EXP.SX78.....	133			24.4			83			23100		
STEWART SX58.....	171			20.9			70			22512		
STEWART SX68.....	125			21.7			78			22443		
STEWART SX71.....	113			21.5			51			22131		
STEWART SX99.....	130			21.8			51			22868		
SUPER-CROST 6222.....	140			20.8			34			23120		
SUPER-CROST 7772.....	137	147		22.8	21.9		68	100		21962	22222	
SUPER-CROST S63.....	136	177		20.9	17.4		58	99		23222	24000	
SUPER-CROST S65.....	122	123		21.1	19.4		68	99		23347	24000	
SUPER-CROST S69.....	152	129		22.0	21.7		81	100		21990	24000	
SUPER-CROST S85.....	112			21.7			32			22995		
TFWEL ES SXT48.....	171			21.6			84			21516		
TFWELES SXT49.....	121			23.1			57			21947		
TRISLER T-18.....	115			20.9			60			23155		
TRISLER T-890.....	115	129	101	19.8	16.2	18.7	76	100	73	22705	24000	24000
TRISLER T-906.....	131			22.2			69			23270		
TRISLER T-919.....	172	114		22.0	19.5		66	99		22768	24000	
TRISLER T-X92.....	169			20.7			80			21502		
TROJAN TXS 107.....	137	155	134	20.2	17.2	19.5	88	100	96	23289	24000	24000
TROJAN TX 109.....	150			19.0			93			22026		
TROJAN TXS 109.....	175			18.7			94			23680		
TROJAN F 111A.....	141			19.8			80			23560		
TROJAN TXS 111.....	147			19.5			86			23163		
TROJAN M 112.....	128			21.6			64			23222		
TROJAN TX 113.....	175			21.4			87			23675		
TROJAN TXS 113.....	171	163		22.5	21.1		92	100		22333	24000	
TROJAN TX 119.....	157	155		23.9	23.4		71	100		22990	22888	
TROJAN TXS 119.....	167			22.4			74			22381		
VAN HORN CAP 43.....	145	157	139	20.9	18.5	21.7	71	100	66	22202	23555	22666
VAN HORN CAP 202.....	147	153		22.4	21.2		84	100		23747	24000	
VAN HORN CAP 272.....	155			22.6			67			23252		
AVERAGE OF 1972 ENTRIES.....	140			21.6			67			22569		
L. S. D.....	56			1.5			30			N.S.		
C. V.....	15											

Table 9. — East-Central Illinois: Urbana (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO AR 02908.....	135			25.8			94			17712	
ACCO AR 12503.....	155			27.0			100			17136		
ACCO U 378.....	151	145		25.1	20.8		98	100		17666	18000	
ACCO U 384.....	147			21.7			98			16459		
ACCO U 392.....	158			27.1			94			17616		
ACCO UC 9101.....	153			25.6			97			17948		
ACCO UC 9301.....	133			27.8			100			17677		
AINSWORTH X-20.....	160	166		25.7	23.3		100	100		18020	18000	
AINSWORTH X-1129.....	144			26.4			98			17987		
AINSWORTH X-1306.....	159			26.3			98			17996		
AINSWORTH X-4473.....	139	156	137	25.1	22.8	27.3	100	100	94	17023	18000	17666
AINSWORTH X-8493.....	156			25.1			100			18023		
ANDERSON 3-W-105.....	153			23.1			98			17754		
ANDERSON 3-W-110.....	136	143		24.8	18.5		100	96		17641	18000	
ANDERSON 3-W-115.....	140			22.9			98			17768		

Table 9. — Urbana, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
ANDERSON AX-5.....	148	144		20.9	21.4		100	98		17999	17333	
ANDERSON AX-9.....	150			23.1			96			17724		
ANDERSON AX-12.....	150			23.9			95			17885		
CENTRAL-ILLINOIS C150.....	152			25.7			100			17969		
CENTRAL-ILLINOIS C12304.....	129			25.7			94			17817		
EMBRD JUPITER.....	118			25.3			100			17930		
EMBRD X-3M.....	153			26.8			98			17089		
EMBRD X-4.....	153			24.5			93			16920		
EMBRD XP-005.....	157			23.4			98			17998		
EMBRD XP-007.....	150			20.8			95			17496		
EMBRD XP-009.....	150			26.7			100			17888		
GUTWEIN 86.....	157			23.4			100			16092		
MCALLISTER SX6837.....	171	142		24.7	26.2		97	98		17730	18000	
MCALLISTER SX7075.....	157			23.4			86			18062		
MCALLISTER SX7196.....	157	144		24.3	22.7		96	98		18075	18000	
MCCURDY MSX88.....	164	137		25.2	25.6		98	97		17794	18000	
MCCURDY MSX88-1.....	158	140		25.4	23.5		98	98		17385	18000	
MIGRO M-46SX.....	124	134		25.8	24.3		98	100		18000	18000	
MIGRO M-0501.....	144	124		21.5	20.8		100	100		17111	18000	
MIGRO M-0711.....	166	130		26.0	26.3		98	100		17831	18000	
MIGRO M-6646.....	157			24.0			98			17446		
MIGRO M-6666.....	171			26.2			100			17342		
MIGRO M-7072.....	169			25.5			98			17587		
MIGRO M-7101.....	154			23.8			100			17387		
MOEWS M6620.....	162			29.8			100			17179		
MOEWS M7622.....	151			28.2			100			17545		
MOEWS M7722.....	175	118		25.5	25.1		100	97		18047	18000	
MOEWS SM421.....	154			23.0			97			16491		
MOEWS SM422.....	163			25.1			82			18019		
MOEWS SM820.....	152			25.6			98			16801		
MOEWS SM822.....	168	141		26.5	27.1		98	100		17814	18000	
MOEWS WM438.....	125			28.2			96			17814		
MOEWS WM529.....	151			25.7			96			17923		
MOEWS WM820.....	147			26.7			83			17433		
NAT-STARCH 140.....	143			20.4			98			18040		
NAT-STARCH 240.....	137			21.7			97			17889		
NAT-STARCH 255.....	148			25.4			97			18091		
NAT-STARCH 325.....	141			24.3			98			16454		
NAT-STARCH 410.....	144			25.7			97			16493		
NAT-STARCH 410A.....	137			22.4			97			17485		
NAT-STARCH 411.....	151			23.6			98			18066		
PRINCETON SX650.....	158			24.6			98			17943		
PRINCETON SX-823.....	152			23.5			98			17725		
PRINCETON SX850.....	158	159		25.1	24.3		96	97		17358	18000	
STULL 720SX.....	141	158		25.5	23.4		98	100		17951	18000	
STULL 809SX.....	132	153		26.2	24.6		95	100		18126	18000	
TODD M30.....	147			21.4			98			17853		
TODD M55.....	131			22.2			79			17670		
TODD M55A.....	136			20.6			98			16630		
TODD M65.....	146			23.9			94			16848		
TODD M70.....	134			26.0			98			17208		
TODD M72.....	153			21.2			100			17021		
TROJAN TX 109.....	151			23.4			97			17093		
TROJAN TXS 109.....	143			22.4			91			16827		
TROJAN TXS 111.....	134			21.1			98			17950		
TROJAN TX 113.....	143			27.9			98			17977		
TROJAN TXS 113.....	164			27.3			96			17057		
TROJAN TXS 117.....	134			24.4			97			17474		
TROJAN TXS 118.....	143			26.5			95			17983		
TROJAN TX 119.....	139			28.0			97			17770		
TROJAN TXS 119A.....	153			23.1			93			16333		
TROJAN TXS 122.....	154			22.7			97			16976		
VAN HORN CAP 202.....	160	157		25.3	25.2		100	100		16638	18000	
VAN HORN CAP 272.....	172			24.2			100			18114		
AVERAGE OF 1972 ENTRIES.....	149			24.7			93			17535		
L. S. D.....	37			3.0			9			N.S.		
C. V.....	11											

Table 9a. — East-Central Illinois: Urbana, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO AR 12503.....	155			28.0			96			22019	
ACCO U 370.....	148			23.8			99			23208		
ACCO UC 4601.....	160			21.9			96			23563		
ACCO UC 5801.....	167			23.8			94			22639		
ACCO UC 8801.....	121			25.1			98			23228		
ACCD UC 9101.....	164	141		26.8	22.7		88	96		22382	24000	
AINSWORTH X-1129.....	150			25.3			98			21606		
AINSWORTH X-1306.....	166			24.9			98			22506		
AINSWORTH X-8493.....	166			24.8			94			22011		
ANDERSON 3-W-105.....	131			20.9			98			24027		
ANDERSON 3-W-110.....	152	144		23.8	19.0		92	95		22881	24000	
ANDERSON 3-W-115.....	134			23.3			99			22015		
ANDERSON AX-5.....	138	148		20.7	21.4		95	97		23691	24000	
ANDERSON AX-9.....	182			22.9			94			22736		
ANDERSON AX-12.....	153			22.7			94			21516		
ASGROW RX60.....	172			19.9			97			23048		
ASGROW RX85.....	112			24.9			97			23325		
ASGROW RX92.....	147			24.5			99			23228		
ASGROW RX100.....	183	146		26.6	27.5		98	100		23559	24000	
BO-JAC X7L.....	168	149	127	24.0	27.0	28.3	100	98	87	21477	24000	24000
BO-JAC X51.....	162	138		19.5	20.0		72	91		23302	24000	
BO-JAC X53.....	177	140		22.2	22.1		100	92		20198	24000	
CENTRAL-ILLINOIS CI28.....	151	87		20.5	20.6		100	91		20397	24000	
CENTRAL-ILLINOIS CI47.....	191	134	138	25.3	26.0	29.1	99	97	79	20124	24000	22444
CDDP S-304.....	148	114	141	24.9	22.4	28.7	91	95	98	24019	24000	23555
CDDP. T-319.....	132			22.8			98			20015		
FARMERS 2882XL.....	198			26.9			95			19660		
FARMERS 4589XL.....	188			24.4			97			23812		
GUTWEIN 40.....	134	142		19.2	16.9		94	96		23571	24000	
GUTWEIN 42.....	159			24.6			94			22713		
GUTWEIN 60.....	117			22.4			63			24214		
GUTWEIN 65.....	194			24.2			98			22888		
GUTWEIN 69A.....	174	147	129	21.4	21.4	22.1	90	95	51	23337	24000	23777
GUTWEIN 80.....	163			24.2			87			22214		
GUTWEIN 88.....	187	148		24.2	26.2		94	98		20666	24000	
GUTWEIN 167.....	136			24.4			93			24116		
HOLDEN 1007.....	183	155		22.5	26.1		96	93		23274	24000	
HOLDEN 1011.....	154			23.7			73			22577		
HOLDEN 1012.....	157			25.3			80			23867		
HOLDEN 1016.....	203			23.9			97			21407		
HOLDEN 1017.....	154			24.1			99			20339		
HOLDEN 1018.....	122			23.6			100			23547		
LESTER-PFISTER 11.....	150			22.0			83			22970		
LESTER-PFISTER 14.....	141	136		22.4	21.0		93	89		22050	24000	
LESTER-PFISTER 15.....	157	131		23.2	19.7		97	81		22908	24000	
LESTER-PFISTER 17.....	154	133		23.9	21.4		98	99		24035	24000	
LESTER-PFISTER 27.....	150	140		21.5	19.7		99	96		22323	24000	
LESTER-PFISTER 28.....	146	113		21.9	21.6		75	89		23629	24000	
LESTER-PFISTER 62.....	161	121		22.5	21.8		85	96		23333	24000	
LEWIS EXP.3.....	170			25.1			100			23380		
LEWIS X488.....	156			21.1			88			23391		
LEWIS X788.....	167			24.6			89			23333		
LEWIS X808.....	201			24.1			99			21021		
MCALLISTER SX6837.....	170	139	122	25.7	26.4	28.5	88	98	80	21633	24000	24000
MCALLISTER SX7066.....	173	138		20.8	17.7		97	97		21504	24000	
MCALLISTER SX7084.....	156			21.0			97			21306		
MCALLISTER SX7176.....	173			25.1			96			23668		
MCCURDY MSP888.....	162			24.2			97			20810		
MCCURDY MSX88E.....	150			24.9			90			24233		
MIGRO M-46SX.....	127			24.4			99			22343		
MIGRO M-6646.....	172			23.4			97			23060		
MIGRO M-6666.....	195			25.2			99			22814		
MOEWS M7822.....	207			23.6			98			22358		
MOEWS M8833.....	170			23.4			97			20682		
MOEWS SM327A.....	154	116		24.0	21.3		98	74		19750	24000	
MOEWS SM432.....	170			26.2			94			23606		
MOEWS SM721.....	148	140	93	25.0	23.9	26.3	67	92	18	23473	24000	23555
MOEWS SM822.....	173			24.2			98			23173		
MUNCY CHIEF H764.....	150			23.7			95			22853		
MUNCY CHIEF SX662.....	152	141		24.5	21.9		97	100		23933	24000	

Table 9a. — Urbana, Increased Planting Rate, continued

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	MUNCY CHIEF SX777.....	145	121		23.0	20.4		94	95		21376	24000
MUNCY CHIEF SX878.....	189	136		24.9	24.9		94	96		23442	24000	
NAT-STARCH 140.....	157			20.1			96			22982		
NAT-STARCH 240.....	150			21.7			98			23929		
NAT-STARCH 255.....	171			22.5			97			22849		
NAT-STARCH 325.....	164			23.6			99			22296		
NAT-STARCH 410.....	161			22.8			91			23879		
NAT-STARCH 410A.....	152			23.1			99			23723		
NAT-STARCH 411.....	171			22.6			99			20998		
O-Y-O 220.....	159			20.4			94			23181		
O-Y-O 505.....	131			22.5			93			21921		
O-Y-O 4330.....	127			23.0			76			24218		
POCKLINGTON P-673A.....	150			25.9			96			24038		
POCKLINGTON P-6341.....	196			23.4			99			21914		
POCKLINGTON P-6441.....	145			23.9			86			23949		
PRAIRIE STREAM GOLDEN CROSS SX3.....	155	148		20.6	17.8		96	97		22596	24000	
PRAIRIE STREAM GOLDEN CROSS SX6.....	170			25.4			93			21040		
PRINCETON SX650.....	169	122	140	22.4	21.4	24.8	97	96	80	22311	24000	23555
PRINCETON SX-823.....	143	122	104	23.7	21.6	24.6	98	98	74	23957	24000	24000
PRINCETON SX850.....	150			23.2			98			22003		
RENK RK55.....	197			20.4			97			23317		
RENK RK66.....	140			24.1			98			22615		
STULL 707SX.....	158			25.3			95			23656		
STURDY-GROW 852.....	171			25.6			88			23306		
SUPER-CROST 503.....	167	152		22.0	18.9		96	96		23387	24000	
SUPER-CROST 7772.....	172	136		24.4	22.9		97	95		23306	24000	
SUPER-CROST 8442.....	185			23.5			92			23387		
SUPER-CROST S63.....	131			20.5			70			23278		
SUPER-CROST S65.....	128	137	134	23.2	20.8	25.1	100	96	90	21224	24000	24000
SUPER-CROST S69.....	139	140	117	22.5	23.5	24.7	97	96	68	23898	24000	24000
SUPER-CROST S79.....	167	154		22.9	24.4		98	91		24027	24000	
SUPER-CROST S85.....	159	143	134	24.7	26.2	28.9	97	98	87	21586	24000	22888
TODD M30.....	162			21.4			97			23391		
TODD M55.....	165	119	94	19.1	20.2	22.1	99	90	59	24085	23777	24000
TODD M55A.....	119			19.9			96			22569		
TODD M65.....	165	146		23.8	18.1		101	97		21169	24000	
TODD M70.....	157	164	111	23.8	23.1	25.0	94	100	54	24011	24000	23555
TODD M72.....	148			22.3			98			22144		
TRISLER T-323.....	140			22.7			99			20545		
TRISLER T-328.....	143			21.2			89			22292		
TRISLER T-330.....	142			25.0			96			21914		
TRISLER T-906.....	132			25.2			97			22261		
TRISLER T-919.....	143	89		25.1	22.5		93	100		20366	24000	
TRISLER T-934.....	151	122		26.2	24.7		89	98		21996	24000	
TRISLER T-940.....	162	116	124	26.7	21.3	29.8	100	90	76	21192	24000	23555
TRISLER T-X92.....	137			21.9			99			22354		
TROJAN TXS 107.....	168			19.6			98			24136		
TROJAN TX 109.....	167			19.7			98			24284		
TROJAN TXS 109.....	151			24.1			100			21193		
TROJAN F 111A.....	158			21.9			100			23883		
TROJAN TX 113.....	153			23.5			97			23169		
TROJAN TX 117.....	153			26.5			97			22152		
TROJAN TXS 117.....	159			22.8			98			23976		
TROJAN TX 119.....	141	144		27.0	25.8		92	92		21734	24000	
TROJAN TXS 119A.....	188			21.9			99			23590		
TROJAN TXS 122.....	154			22.1			96			22487		
VAN HORN CAP 202.....	169	163		27.1	25.8		99	97		24132	24000	
VAN HORN CAP 272.....	192			23.5			99			21239		
WHISNAND 80.....	200			24.7			98			21461		
WHISNAND 82.....	158			23.8			89			23017		
WHISNAND 870.....	151	113		21.4	24.2		94	95		21883	24000	
AVERAGE OF 1972 ENTRIES.....	159			23.4			95			22719		
L. S. D.....	34			2.3			11			N.S.		
C. V.....	12											

Table 9b. — Urbana High Lysine Trials (Opaque-2)

Entry	Total acre yield	Grain moisture	Erect plants	Plants per acre	Protein	Grams lysine per 100 g. of protein
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>		<i>perct.</i>	<i>grams</i>
Gutwein HL 146.....	103	24.0	100	23,736	10.8	3.5
IFS 071-B013.....	108	26.8	100	23,712	10.5	3.5
IFS 071-B020.....	81	29.2	100	23,760	11.3	3.4
IFS 071-B038.....	87	28.3	100	22,992	10.9	3.5
IFS 071-B046.....	116	26.0	99	24,000	10.4	3.4
IFS 071-B052.....	55	25.6	100	22,392	11.3	3.7
Lewis X38L.....	74	26.2	100	23,040	10.7	3.6
Migro M-HL22.....	71	24.8	100	23,246	11.1	3.7
Migro M-HL653.....	116	26.6	100	23,352	10.4	3.3
Tracy T-307 HyLy.....	60	24.0	100	22,368	11.7	3.8
Trojan LTXS 111.....	73	30.0	100	23,280	11.4	3.4
Trojan LTXS 118.....	90	27.7	100	22,416	11.6	3.7
IFS 071-BR038 ^a	87	27.3	100	23,352	10.9	3.8
Trojan TXS 109 ^a	59	25.3	99	23,568	12.7	3.0
Trojan TXS 111 ^a	62	26.5	100	22,920	12.1	3.4
Trojan TXS 119 ^a	130	28.9	99	22,968	11.2	3.1
Average of entries.....	86	26.4	100	23,280	11.2	3.5
L.S.D.....	15	1.9	N.S.	960	.5	.25
C.V.....	11					

^a Double mutant.

Table 10. — West South-Central Illinois: Greenfield (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO U 392.....	125	128		21.2	21.4		93	81		17744	18000
ACCO UC 8601.....	133			19.8			85			17650		
ACCO UC 9301.....	117			21.3			92			17811		
ACCO UC 9701.....	145			22.0			94			17713		
AINSWORTH X-1129.....	169			20.4			97			17713		
AINSWORTH X-1306.....	131			19.9			96			17870		
AINSWORTH X-7178.....	164			22.1			100			17905		
ASGROW RX92.....	124			20.9			95			17748		
ASGROW RX100.....	177			22.3			93			17713		
LEWIS EXP.7.....	138			21.4			100			17681		
MCCURDY MSX85.....	158			19.6			88			17713		
MCCURDY MSX88.....	150	125		22.4	22.1		97	62		17685	18000	
MDEWS M7722.....	171			22.0			100			18000		
MDEWS M8820.....	164	124		23.4	23.4		90	86		17779	18000	
MDEWS SM422.....	133			20.2			98			17811		
MDEWS SM621.....	123			20.8			98			17492		
MDEWS SM721.....	105	104	97	20.5	21.6	27.4	53	85	71	17748	18000	18000
MDEWS SM822.....	145			20.9			100			17779		
MORTON MXL57.....	119			21.5			100			17618		
TRISLER T-20.....	120			19.5			100			17618		
TRISLER T-906.....	157			21.1			97			17779		
TRISLER T-934.....	148			21.9			81			17839		
TRISLER T-940.....	143			21.8			97			17779		
TRISLER T-X92.....	136			19.8			100			17716		
TRDJAN TXS 111.....	135			18.2			100			17713		
TROJAN TX 113.....	133			20.7			100			17713		
TRDJAN TXS 113.....	129			21.7			98			17650		
TROJAN M 114.....	132			18.7			97			16824		
TROJAN TXS 117.....	133			20.4			100			17650		
TROJAN TXS 118.....	137			20.8			97			17492		
TROJAN TX 119.....	131			22.0			90			17937		
TROJAN TXS 119A.....	143			20.8			100			18125		
TROJAN TXS 122.....	131			20.4			94			17429		
TROJAN F 122.....	104			21.5			100			17681		
VAN HORN CAP 202.....	152	141		21.3	22.8		97	85		18000	18000	
VAN HORN CAP 272.....	139			20.7			100			17650		
AVERAGE OF 1972 ENTRIES.....	139			21.0			98			17716		
L. S. D.....	28			1.1			8			N.S.		
C. V.....	12											

Table 10a. — West South-Central Illinois: Greenfield, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO U 384.....	105			19.8			81			24214	
ACCO UC 8801.....	145			21.0			85			23366		
ACCO UC 8851.....	90	111		19.7	18.2		94	82		21882	24000	
ACCO UC 9101.....	141			20.4			94			22450		
AINSWORTH X-1306.....	112			19.4			93			23214		
AINSWORTH X-7178.....	165			21.5			98			23733		
AINSWORTH X-8493.....	153			20.8			92			22740		
ASGROW RX92.....	109			20.2			96			23738		
ASGROW RX100.....	179			22.5			93			24279		
BO-JAC X7L.....	156	125		22.6	23.6		94	87		23914	24000	
BO-JAC X53.....	133	110		18.9	19.2		99	73		23514	24000	
BO-JAC X62.....	164			21.9			99			23603		
LESTER-PFISTER 11.....	104			19.8			73			23253		
LESTER-PFISTER 14.....	108			18.4			81			22230		
LESTER-PFISTER 27.....	110			18.0			96			23541		
LESTER-PFISTER 28.....	130			19.2			88			22666		
LESTER-PFISTER 62.....	144			20.0			96			23905		
LEWIS X78B.....	182			22.3			95			23214		
LEWIS X80B.....	176			22.8			91			23148		
MCCURDY 86M.....	148			21.8			92			22388		
MCCURDY MSX88.....	166	124		21.9	22.6		97	81		23138	23111	
MCCURDY MSX88-1.....	158	110		20.7	21.1		93	77		22797	24000	
MOEWS M7822.....	105			19.3			88			20623		
MOEWS M8833.....	139			19.3			95			23949		
MOEWS SM422.....	153			20.0			95			23882		
MOEWS SM621.....	131			19.9			88			23490		
MOEWS SM730.....	130			20.2			85			23298		
MOEWS SM822.....	156			20.9			90			23791		
MORTON 4901.....	170			20.5			87			23624		
MORTON 6700.....	150			22.2			90			21443		
POCKLINGTON P-780.....	131			20.4			89			23724		
POCKLINGTON P-6441.....	160			22.2			92			22035		
POCKLINGTON P-7442.....	118			20.3			87			23420		
SUPER-CROST 6222.....	153			19.8			89			22741		
SUPER-CROST 7772.....	149	84		20.4	20.2		92	74		23368	23111	
SUPER-CROST 8442.....	149			20.9			89			23449		
SUPER-CROST S63.....	146	119		18.1	17.7		72	73		23262	24000	
SUPER-CROST S69.....	129	124	113	19.6	21.1	26.1	95	87	89	23417	24000	24000
SUPER-CROST S79.....	143	119		20.2	20.9		96	77		23190	22222	
SUPER-CROST S85.....	178	122	110	21.8	24.0	29.1	93	81	88	23201	23777	24000
TROJAN F 111A.....	133			19.1			94			21791		
TROJAN TXS 111.....	136			18.0			95			23894		
TROJAN M 112.....	127			19.8			96			23415		
TROJAN TX 113.....	130			20.2			95			22857		
TROJAN TXS 113.....	138			21.7			98			22953		
TROJAN TXS 117.....	166			20.7			93			23795		
TROJAN TXS 118.....	132			20.6			94			23097		
TROJAN TX 119.....	103			22.7			88			23805		
TROJAN TXS 119A.....	164			21.4			98			23335		
TROJAN TXS 122.....	111			20.1			82			23494		
VAN HORN CAP 202.....	134	112		20.6	21.3		97	83		23941	24000	
VAN HORN CAP 272.....	150			20.8			100			23709		
AVERAGE OF 1972 ENTRIES.....	138			20.4			92			23178		
L. S. D.....	33			1.0			9			2400		
C. V.....	15											

Table 11. — Southern Illinois: Brownstown (Planted at 18,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO U 392.....	134			18.5			70			17025	
ACCO UC 8601.....	91			19.0			24			17795		
ACCO UC 9301.....	102			18.2			61			17740		
ACCO UC 9701.....	132			18.7			63			18065		
AINSWORTH X-1129.....	116			16.8			70			17626		
AINSWORTH X-1306.....	150			17.7			89			17709		
AINSWORTH X-7178.....	116			18.7			84			17916		
AINSWORTH X-8493.....	148			18.0			87			17652		
BO-JAC 3451A.....	147	116		19.3	18.6		60	78		17947	17777	
BO-JAC X1A.....	131			19.1			84			17612		
BO-JAC X77L.....	137	120		18.6	20.5		80	86		17960	18000	
BO-JAC X83.....	110	131		19.4	18.2		39	61		15711	17777	
BO-JAC X87.....	146			18.7			74			16954		
BO-JAC X91.....	145			19.1			93			17901		
HOBLIT EXP.907.....	117			18.7			87			17808		
HOBLIT XR447A.....	153			18.9			99			17874		
HOBLIT XR448A.....	137			18.6			85			17623		
HOBLIT XR451.....	129			16.5			86			15190		
MCCURDY MSX88.....	137	126		17.7	18.6		92	85		16120	18000	
MIGRO M-46SX.....	101	110		18.1	18.1		74	85		17810	16222	
MIGRO M-0711.....	109	117		18.3	19.6		85	87		15071	17555	
MIGRO M-7101.....	120			17.4			60			17515		
MOEWS M7822.....	132			18.9			51			17384		
MOEWS M8820.....	116			20.2			90			16633		
MOEWS SM422.....	108			18.3			83			18079		
MOEWS SM721.....	145	104	52	19.4	19.4	24.5	86	61	97	17947	17777	18000
MOEWS SM822.....	124			19.0			80			17181		
PRINCETON SX-823.....	153	101		18.5	17.0		91	96		17854	17555	
PRINCETON SX850.....	144			18.1			76			18171		
TAYLOR-EVANS EXP.6930.....	107			19.4			66			18125		
TAYLOR-EVANS E-20-YA.....	118			18.3			76			17993		
TAYLOR-EVANS MASTERMAKER.....	117			18.1			70			17353		
TAYLOR-EVANS SILAGEMASTER.....	120			19.1			80			16482		
TROJAN TXS 111.....	131			18.1			71			17595		
TROJAN TX 113.....	149			20.2			77			17782		
TROJAN TXS 113.....	126			19.0			86			18019		
TROJAN M 114.....	92			17.8			84			17465		
TROJAN TXS 117.....	133			18.1			69			16000		
TROJAN TXS 118.....	117			19.2			64			16556		
TROJAN TX 119.....	76			18.1			83			17626		
TROJAN TXS 119A.....	141			17.7			67			16875		
TROJAN F 122.....	108			18.1			61			17960		
TROJAN TXS 122.....	130			17.0			76			17210		
AVERAGE OF 1972 ENTRIES.....	124			18.4			74			17346		
L. S. D.....	56			1.4			19			N.S.		
C. V.....	20											

Table 11a. — Southern Illinois: Brownstown, Increased Planting Rate
(Planting at 22,000 plants per acre in 30-inch rows)

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO U 392.....	166			17.9			75			20625	
ACCO UC 8801.....	136			18.6			69			21380		
ACCO UC 9101.....	132			16.7			86			20306		
AINSWORTH X-1129.....	131			18.4			83			20993		
AINSWORTH X-1306.....	140			17.5			83			20821		
ASGRDW RX92.....	122			18.6			76			19791		
ASGRDW RX100.....	159	60		19.3	17.4		74	56		21592	21352	
ASGRDW RX115.....	147			18.4			74			20857		
B0-JAC X1-83.....	121	93	56	18.0	15.9	22.8	81	51	97	21161	22000	19695
B0-JAC X1A.....	141			17.8			70			21788		
B0-JAC X7L.....	148	97	56	18.7	17.6	23.5	71	92	97	20154	20705	20742
B0-JAC X7L (E).....	110			17.9			62			20546		
B0-JAC X62.....	180			19.6			66			19795		
B0-JAC X65.....	136			19.2			87			21189		
B0-JAC X87.....	139			16.9			70			22330		
B0-JAC X91.....	126			18.9			84			21928		
B0-JAC X97.....	167			19.5			75			21544		
FARMERS 2882XL.....	156			18.6			77			20614		
FARMERS 4589XL.....	150			19.3			91			21069		
HOLDEN 1007.....	118	102		18.5	18.4		61	60		19763	21137	
LESTER-PFISTER 11.....	105			18.2			49			20901		
LESTER-PFISTER 27.....	146			16.9			87			21189		
LESTER-PFISTER 28.....	116			17.4			59			20426		
LESTER-PFISTER 62.....	138			18.5			65			19923		
MCCURDY MSX88.....	148	100		19.4	18.0		94	94		17358	22000	
MIGRO M-465X.....	160			17.3			81			19100		
MIGRO M-6666.....	162			19.8			87			21269		
MIGRO M-7072.....	117			18.4			86			20414		
MIGRO M-7101.....	153			18.5			80			17614		
M0EWS M6622.....	148			18.8			44			21884		
M0EWS M8820.....	127			19.2			83			17326		
M0EWS SM520.....	125			17.2			88			19623		
M0EWS SM822.....	140			17.9			83			19639		
POCKLINGTON P-78A.....	127			18.9			58			18972		
POCKLINGTON P-7441.....	132			19.7			79			21868		
PRINCETON SX-823.....	142			17.7			95			21972		
STURDY-GROW 852.....	129			19.0			42			21748		
SUPER-CRDST 7772.....	142			17.6			83			20841		
SUPER-CRDST 8442.....	126			18.9			59			21121		
SUPER-CROST S72.....	127			17.4			83			21872		
TODD 740.....	148			16.8			83			19555		
TODD M68.....	148			19.3			90			18457		
TODD M70.....	107	102	60	19.4	15.5	21.3	70	81	94	21632	19843	20742
TODD M72.....	123			16.7			85			21093		
TODD M90.....	139	80	42	17.9	15.2	20.5	62	70	95	19271	20705	19904
TROJAN F 111A.....	126			17.4			85			20390		
TROJAN TXS 111.....	105			17.5			64			21113		
TROJAN M 112.....	120			17.7			84			21664		
TROJAN TX 113.....	136			19.0			90			21864		
TROJAN TXS 113.....	140	97	44	17.9	16.7	22.0	84	78	98	21848	20921	20742
TROJAN TXS 117.....	128			17.5			67			21895		
TROJAN TXS 118.....	127			18.3			32			19467		
TROJAN TX 119.....	82	86	71	18.0	18.6	23.0	62	89	93	21025	20705	17390
TROJAN TXS 119.....	137	94	49	18.6	18.0	23.5	77	94	94	22187	21137	20742
TROJAN TXS 122.....	112	86		18.2	18.0		67	77		20326	21568	
WHISNAND 80.....	157			18.0			74			21975		
WHISNAND 82.....	118			18.5			62			21476		
WHISNAND 870.....	106	72		15.4	15.3		65	66		20861	21784	
AVERAGE OF 1972 ENTRIES.....	135			18.2			76			20611		
L. S. D.....	57			2.1			20			N.S.		
C. V.....	17											

Table 12. — Extreme Southern Illinois Bottomland: Dixon Springs
(Planted at 18,000 plants per acre in 30-inch rows)^a

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
	ACCO AR 02908.....	135			19.1			60			16376	
ACCO AR 03016.....	180			18.6			82			17856		
ACCO AR 12503.....	181			19.1			73			17584		
ACCO U 392.....	127			21.0			51			17670		
ACCO UC 9701.....	169			23.0			47			17771		
AINSWORTH X-1306.....	173			17.5			71			17205		
AINSWORTH X-7178.....	116			25.5			32			17882		
80-JAC X1-83.....	153	157	123	18.7	28.1	25.8	90	95	88	17901	18000	17500
80-JAC X84.....	151	150		20.3	33.0		72	91		17819	18000	
80-JAC X97.....	150	160		20.0	33.2		83	98		16899	18000	
EMBRO JUPITER.....	137	142		19.1	29.4		90	93		17242	17111	
EMBRO X-3M.....	110	136		19.5	31.8		78	93		16922	16666	
EMBRO X-4.....	86	106		19.9	30.5		94	93		16960	18000	
EMBRO XP-007.....	171			17.6			68			17305		
EMBRO XP-009.....	132			18.2			85			17829		
GOLDEN MSX301.....	126			20.2			82			17652		
GOLDEN MSX302.....	175			18.2			88			17545		
MCNAIR S338.....	147			19.1			80			17575		
MCNAIR X300.....	175			18.4			91			18104		
MOEWS M8820.....	156			20.1			90			17947		
MOEWS M8821W.....	155			18.4			83			16992		
MOEWS SM721.....	150	133	59	19.0	31.3	23.6	83	93	74	16820	17333	16833
MOEWS SM821W.....	156			21.3			63			17913		
MOEWS SM822.....	176			20.5			77			17774		
PRINCETON 960.....	164			20.2			79			17336		
PRINCETON EXP.MC888.....	130			18.1			76			17339		
PRINCETON SX836.....	161	162		18.5	31.9		86	100		17792	17777	
PRINCETON SX850.....	146	138		20.1	30.6		90	93		17926	17333	
MOEWS SX101N.....	186			18.8			90			17336		
MOEWS SX303N.....	152			18.0			74			17277		
STULL 555W.....	148	137		21.1	36.0		59	89		17489	17777	
STULL 560WSP.....	149	116		20.3	35.4		52	95		17558	18000	
STULL 720SX.....	134	142	65	20.9	31.6	23.1	83	93	70	17762	18000	17666
STULL 809SX.....	132	122		19.6	31.4		92	90		17411	17555	
STULL 850 WSX.....	148	121		20.3	35.7		76	91		18022	18000	
STULL 877SX.....	152	131		20.5	33.0		79	97		17264	18000	
TAYLOR-EVANS EXP.6930.....	94			19.3			57			17565		
TAYLOR-EVANS E-20-YA.....	127			21.7			84			18092		
TAYLOR-EVANS MASTERMAKER.....	82	85		21.4	29.2		86	88		16768	14888	
TAYLOR-EVANS SILAGEMASTER.....	122			21.9			78			16745		
TROJAN TXS 111.....	134			19.9			87			17729		
TROJAN TX 113.....	56			22.6			91			16781		
TROJAN TXS 113.....	94			20.4			78			16213		
TROJAN M 114.....	81			20.1			82			16807		
TROJAN TXS 117.....	108			18.6			81			17563		
TROJAN TXS 118.....	167			17.8			73			17378		
TROJAN TX 119.....	135			21.6			77			17503		
TROJAN TXS 119A.....	155			21.2			62			17476		
TROJAN F 122.....	107			18.6			76			17555		
TROJAN TXS 122.....	145			21.5			73			17959		
AVERAGE OF 1972 ENTRIES.....	143			19.9			78			17428		
L. S. D.....	18			1.9			12			N.S.		
C. V.....	9											

^a Hand harvested.

Table 12a. — Extreme Southern Illinois Bottomland: Dixon Springs, Increased Planting Rate
(Planted at 24,000 plants per acre in 30-inch rows)^a

BRAND AND VARIETY	TOTAL YIELD BU./ACRE			GRAIN MOISTURE PERCENT			ERECT PLANTS PERCENT			PLANTS PER ACRE		
	1972	1971	1970	1972	1971	1970	1972	1971	1970	1972	1971	1970
ACCO AR 12503.....	182			20.0			58			23757		
ACCO UC 8801.....	143			18.5			73			22737		
ACCO UC 9101.....	125			24.7			52			21693		
AINSWORTH X-1306.....	139			18.4			69			24080		
AINSWORTH X-7178.....	141			20.5			39			22711		
BO-JAC X1-83.....	167	169	135	18.6	29.6	26.1	83	97	82	23915	22888	23500
BO-JAC X84.....	131			19.7			73			23141		
BO-JAC X97.....	169			18.6			83			23971		
GOLDEN SX101.....	136			24.2			71			23386		
LESTER-PFISTER 11.....	129			21.8			55			23269		
LESTER-PFISTER 62.....	156			20.6			57			23486		
MCNAIR S184.....	150			18.0			79			22980		
MCNAIR X180.....	150			21.4			28			22454		
MCNAIR X190.....	149			21.5			44			23909		
MCNAIR X210.....	163			18.3			89			23463		
MDEWS M7822.....	138			19.7			21			20082		
MDEWS SM429.....	133			18.8			77			23993		
MDEWS SM821W.....	166	156		23.1	35.0		45	96		22016	24000	
MDEWS SM822.....	144			17.5			84			23059		
POCKLINGTON P-813.....	120			21.1			75			23876		
POCKLINGTON P-891A.....	129			20.0			79			21766		
POCKLINGTON P-7661.....	190			19.7			72			22258		
PRINCETON 960.....	140			20.3			66			23847		
PRINCETON SX650.....	143	167		17.2	29.9		95	94		24161	22222	
PRINCETON SX836.....	159			21.5			69			23288		
PRINCETON SX850.....	156	187	125	19.5	28.6	26.0	56	100	89	23698	23555	23666
MDEWS SX101N.....	176			21.1			25			23969		
MDEWS SX303N.....	142			22.0			59			23297		
STURDY-GROW 852.....	142			20.9			63			23290		
SUPER-CROST 7772.....	140	162		19.7	31.5		69	100		23935	24000	
SUPER-CROST 8442.....	147			19.6			41			23715		
SUPER-CROST S79.....	158	155		19.0	31.3		54	94		22110	24000	
TROJAN TXS 111.....	139			18.7			80			24015		
TROJAN M 112.....	116			16.4			67			22576		
TROJAN TX 113.....	121			18.2			72			23167		
TROJAN TXS 113.....	141			17.1			80			23195		
TROJAN TXS 117.....	159			19.5			74			23778		
TROJAN TXS 118.....	156			15.8			90			22486		
TROJAN TX 119.....	181			18.0			51			22234		
TROJAN TXS 119A.....	159			18.7			34			20930		
TROJAN F 122.....	152			18.4			69			23495		
TROJAN TXS 122.....	157			18.8			48			21899		
AVERAGE OF 1972 ENTRIES.....	149			19.6			64			23074		
L. S. D.....	28			3.7			18			1050		
C. V.....	12											

^a Hand harvested.







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