

at circular 877

**Circular 877**

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**Performance of  
COMMERCIAL  
CORN  
HYBRIDS  
IN ILLINOIS  
1961-1963**



LOCATION OF  
1963 TEST FIELDS

By G. L. Ross, K. E. Williams,  
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# PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 1961-1963

THE 1963 CORN CROP IN ILLINOIS produced an all-time record total yield. For the third consecutive year, a new statewide record average yield was set — 85 bushels per acre.<sup>1</sup> This was 2 bushels above the previous record established in 1962, and 8 bushels above the earlier record set in 1961. The crop was of excellent quality, matured well, and showed little stalk breakage. Nearly all of the crop was harvested in timely fashion, and almost none was damaged by frost.

## AIM OF PERFORMANCE TEST REPORT

Each year several hundred different corn hybrids are offered for sale to Illinois farmers. In choosing one or more of these to plant, a farmer must make careful comparisons, since hybrids do not perform alike. A variety may show superior performance in one set of conditions and may do poorly in a different situation. Seed companies and their dealers provide helpful information, but many farmers feel the need for unbiased performance-test data to better compare the different hybrids available. The tests reported in this circular are designed to meet this need. Farmers using this information should, of course, take into consideration other data and reports that may be available.

*Actual measured performance on the farm where it is to be grown is the best way to judge the merits of a hybrid.*

## PLAN OF THE TESTS

**Selection of entries.** Each year, all producers of hybrid seed corn in Illinois and surrounding states are invited to nominate hybrids for testing in the Illinois performance trials. The Illinois Station charges a fee for testing each hybrid. Usually, these hybrids are being sold in commercial quantities, but occasionally seed companies will enter experimental hybrids for testing. For the past several years, we have included in the tests all hybrids nominated. Corn research workers of the Illinois Station also enter experimental and standard open-pedigree hybrids.

<sup>1</sup>Yield and production estimates were made by the Illinois Cooperative Crop Reporting Service.

Table 1.—GENERAL INFORMATION: Illinois Commercial Hybrid Corn Tests, 1963

Field, county, location, and number of entries	Date planted	Date harvested	Average acre yield	Moisture in grain	Erect plants	Stand
<b>Regular planting rate</b>			<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Woodstock: McHenry, Ex. N, 49. . . . .	May 16	Oct. 30	86.0	23.7	93	83
DeKalb: DeKalb, N, 72. . . . .	May 14	Nov. 21	110.2	20.5	95	91
Galesburg: Knox, WNC, 132. . . . .	May 13	Oct. 25	98.7	19.4	81	88
Ashkum: Iroquois, ENC, 90. . . . .	May 3	Oct. 31	99.5	17.5	98	87
Augusta: Hancock, WC, 64. . . . .	May 21	Oct. 24	95.9	19.8	92	85
Stanford: McLean, C, 90. . . . .	May 6	Oct. 11	114.7	21.8	97	90
Urbana: Champaign, EC, 121. . . . .	May 20	Nov. 11	124.7	19.9	98	95
Greenfield: Macoupin, WSC, 49. . . . .	May 8	Oct. 17	133.4	18.3	94	94
Brownstown: Fayette, S, 56. . . . .	May 7	Oct. 16	89.2	15.9	96	91
Dixon Springs: Pope, Ex. S, 72. . . . .	May 9	Oct. 21	109.3	15.8	97	81
Carbondale: Jackson, Ex. S, 72. . . . .	April 30	Oct. 9	70.0	17.8	97	86
<b>Increased planting rate</b>						
DeKalb: DeKalb, N, 30. . . . .	May 14	Nov. 21	115.3	20.7	94	90
Urbana: Champaign, EC, 42. . . . .	May 20	Nov. 11	121.9	20.5	92	90
Greenfield: Macoupin, WSC, 25. . . . .	May 8	Oct. 17	140.8	18.9	91	94

**Number and location of tests.** In 1963, 14 major tests were conducted at 11 testing locations (see map on cover). Ten locations were the same as those used in 1961 and 1962. The only change from the 1962 test sites was the relocation of the Bowen test to an area five miles east on a field near Augusta. Table 1 summarizes general information on the 1963 tests.

**Hybrids and their sources.** The 1963 program tested 376 hybrids, obtained from 57 different companies and individuals. To obtain seed for testing, University workers personally took samples from seed lots in warehouses and seed supplies of the producing companies. The Illinois Station furnished seed of certain open-pedigreed hybrids.

**Field-plot design.** Each test was laid out as a randomized-block or lattice experiment. Each entry in a given test was replicated three times. This experimental design is practical and efficient and gives each hybrid an equal chance.

**Method of planting.** We planted all trials by machine on land prepared in the normal way for corn. All test fields except those at DeKalb, Urbana, Brownstown, and Carbondale were part of larger corn fields and were surrounded by farmers' corn. Each individual plot was one row, 33 feet long. Planting resembled "power checking"; one, two, or three kernels were planted each 20 inches, depending on the planting rate chosen. The planting rate at Brownstown was 14,000 plants per acre; the Galesburg field was planted at 18,000 plants per acre. All other "regular rate" tests were at 16,000 plants per acre. For

the "increased rate" tests, planting rates were 24,000 per acre at DeKalb and Urbana, and 20,000 at Greenfield. The plots were not thinned.

**Method of harvest.** Test personnel harvested all plots mechanically with a modified Ford corn combine in 1961, and a Massey-Ferguson self-propelled corn-head combine in 1962 and 1963. Shelled corn from each plot was collected in a bag, weighed, and tested at once for moisture percentage. Missed or dropped ears were not gleaned, and no correction was made for shelled corn that might have been lost in harvest.

### GROWING CONDITIONS ON TEST FIELDS

In much of Illinois, the 1963 corn growing season was very favorable (see Table 2 for rainfall data). A warm May favored timely planting in most areas. Early June was hot and dry in most of the state; in some northern and western sections, lack of moisture became a problem by the end of the month. Temperatures in late June and most of July were somewhat cooler than average. July rainfall was adequate in most sections of the state, and above normal in most central and southern areas. Parts of northern and western Illinois were somewhat short on rainfall, and it was quite dry in much of the extreme southwestern section. August rainfall was low to moderate in most areas, with growing conditions remaining generally favorable until the corn crop matured in September. No early killing frost occurred; conditions were favorable for rapid drying of the grain and early harvest; and damage from insects, diseases, and storms was low. Harvest was virtually completed in most sections by late November, and the only

Table 2.—GROWING SEASON RAINFALL

Field	May	June	July	August
	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>
Woodstock.....	2.19	2.27	4.70	3.60
DeKalb.....	2.46	2.90	4.92	1.80
Galesburg.....	2.48	1.34	5.00	4.01
Ashkum.....	2.20	1.98	4.94	1.03
Augusta.....	2.76	0.55	5.00	2.64
Stanford.....	1.20	1.12	4.00	2.84
Urbana.....	0.90	2.26	4.32	3.55
Greenfield.....	3.78	1.32	4.60	4.67
Brownstown.....	6.00	1.30	4.57	1.56
Dixon Springs.....	4.70	3.05	2.45	2.57
Carbondale.....	2.38	3.09	3.55	1.70

major problem encountered at harvest-time was a shortage of storage space and boxcars for grain shipment.

**Extreme Northern Illinois: Woodstock.** This test field represents the cool, humid area in northeastern Illinois. For several years this test has been located on the Earl Hughes farm west of Woodstock in McHenry county. The test field in 1963 was first-year corn, following pasture in 1962. The soil type is Proctor silt loam, a fertile, deep, well-drained dark prairie soil. A severe drouth in late summer undoubtedly reduced corn yields considerably.

**Northern Illinois: DeKalb.** This test is located on the University's Northern Illinois Experimental Field, between Shabbona and DeKalb, in DeKalb county. R. E. Bell is field manager of this experimental farm. The three-years' tests reported from this location are from first-year corn, in a corn-corn-oats-clover rotation. Fertility of the dark-brown, adequately drained Flanagan silt loam is high. Growing conditions were excellent this year.

**West North-Central Illinois: Galesburg.** This test field is representative of the deep, loess-derived, highly fertile prairie soils lying between the Illinois and Mississippi rivers. For a number of years, the test has been located on land owned by Ralph Hawthorne and operated by Ralph Anderson. County extension personnel, especially Donald Teel, have assisted actively in planning, planting, and harvesting the tests. In 1963 the test field was on a highly fertile tract of Sable silty clay loam, a rather heavy-textured soil typical of the surrounding area.

**East North-Central Illinois: Ashkum.** The influence of Lake Michigan on climate and the generally poorly drained soils occurring in this area make its growing conditions quite different from those of other sections of Illinois. The Ashkum test field representing this area is located on the Don Peterson farm, operated by Merle Diefenbach. The soil type is Pella clay loam, a fine-textured, poorly drained soil formed on lake-bed clay. The field used for the 1963 test had been in corn for at least six previous years, but was in a very high state of fertility.

**West-Central Illinois: Augusta.** This test is located on the Oscar Finney farm between Augusta and Bowen, in Hancock county. The soil is Harrison silt loam, a moderately well-drained, dark grayish-brown prairie soil. Natural fertility of the soil is not high, but good conservation practices and recommended cropping systems can bring the yielding capacity of the field up to a moderately high level. Rainfall was spotty in the area, but yields were good even with less than normal rainfall.

**Central Illinois: Stanford.** This test field is on a farm operated by Robert Buth, near Stanford in the western part of McLean county. The soil is a deep, well-drained, fertile type, classified as Muscatine silt loam. Growing conditions in 1963 were excellent, and yields were high.

**East-Central Illinois: Urbana.** This test, representing the east-central Illinois cash-grain area, is located on the Agronomy South Farm of the University of Illinois, adjoining Urbana in Champaign county. C. H. Farnham is manager of this farm. The field on which the test plots were grown in 1963 is a level, rather heavy-textured Drummer silty clay loam. The 1963 corn crop followed two years of alfalfa. Growing conditions in 1963 were generally favorable, with rainfall being above normal.

**West South-Central Illinois: Greenfield.** This test represents the somewhat poorly drained, level soils of western south-central Illinois. It is located on the H. K. Hall farm in Macoupin county, northeast of Greenfield. The soil type is Herrick silt loam. Stalk breakage is often a serious problem in this area, but was not of major importance in 1963. Rainfall was well above normal for the area through most of the 1963 growing season.

**Southern Illinois: Brownstown.** This test is located on the University's Brownstown Experimental Field, in Fayette county. The soil is Cisne silt loam, a poorly drained gray prairie soil with a well-developed claypan. Natural fertility of the soil is not high, but good fertilization practices and crop rotations have brought the yielding capacity of the field up to a moderately high level. The 1963 growing season was generally favorable, but a dry August hastened maturity and curtailed expected yields.

**Extreme Southern Illinois Bottomland: Dixon Springs.** This test was located on the Dixon Springs Experimental Station, in Pope county, in 1961, 1962, and 1963. Similar tests were located in the Mississippi bottoms, near Wolf Lake in Union county, for several years previously. The soil type at Dixon Springs is Bonnie silty clay to sandy clay, a rather mixed gray creek-bottomland soil. Fertility of the tract used is high, and with adequate rainfall very good yields were obtained.

**Extreme Southern Illinois Upland: Carbondale.** Since the Dixon Springs test is conducted on bottomland, test personnel believed that a typical upland area should be included in the study of corn performance in extreme southern Illinois. The hybrids entered for the Dixon Springs test were therefore grown on an upland plot at Carbondale, in Jackson county. This plot was located at the Southern Illinois

University — University of Illinois Agronomy Research Center, where Roy Browning is superintendent. The soil type is classified as Weir and Stoy silt loams, which are rather shallow silty soils over claypan. Rainfall was low in July and early August, and the corn crop suffered severely from drouth. Yields were not high on the test plot, and performance of the different hybrids was variable. Since the Carbondale test was conducted only in 1962 and 1963, no three-year summary results are available. The 1962 and 1963 results are reported in this circular.

## MEASURING PERFORMANCE

Earlier bulletins reporting Illinois corn performance test results showed data from the current year's test, as well as averages of several years' results. In this circular we are presenting *only* two- and three-year summaries. We believe that at least two-years' data are needed to properly judge performance. In each summary table, the hybrids are listed in order of their average moisture content of grain at harvest. This arrangement is intended to reduce the emphasis often placed on yield alone, and to call attention to the importance of proper maturity. It sometimes happens that hybrids too late in maturity for a given area are entered in the tests. While such hybrids often are high in yield, their high moisture content might make them unsafe choices for use unless proper drying or storage facilities are available.

**Yield of grain.** At harvest, we measured shelled-corn weight and moisture percentage for each plot of each hybrid and converted yields to shelled corn at 15.5 percent moisture. This is the upper moisture limit for No. 2 corn. A Radson transistorized moisture tester was used for all moisture readings.

**Erect plants.** We counted the number of erect plants in each plot of each hybrid at harvest time. Any plant leaning at an angle of more than 45° or broken below the ear was considered lodged. A plant broken only above the ear was considered erect.

**Stand.** In late summer, after silking time, we counted the number of plants in all plots on all fields, and computed the percent of stand by comparing this number with the number of kernels planted. Stand differences can be caused by failure to germinate, or by disease, insect injury, or cultivation damage.

**Comparing hybrids.** In any test of plant or animal material, it is impossible to measure performance exactly. Samples may vary, soil 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, yield differences of a few bushels probably are not significant in small-plot tests. Yet 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, and should be taken together with grain moisture content and percentage of erect plants in comparing hybrids.

### CONTRIBUTORS OF SEED

Ainsworth Hybrids.....	Ainsworth Seed Co.....	Mason City
Appl Hybrids.....	Appl's Seed Co.....	208 N. Main St., St. Joseph
Bear Hybrids.....	Bear Hybrid Corn Co.....	Box 628, Decatur
Bo-Jac Hybrids.....	Wesley A. Scroggin and Sons.....	Mt. Pulaski
Burgdorf's Hybrids.....	Burgdorf's Seed Co.....	5101 W. Broadway, Evansville, Ind.
Canterbury Hybrids.....	C. E. Canterbury Seed Co.....	Cantrall
Cargill Hybrids.....	Cargill, Inc.....	200 Grain Ex- change Bldg., Minneapolis 15, Minn.
Chester Hybrids.....	Chester Hybrid Corn Co.....	Valparaiso, Ind.
Cornelius Hybrids.....	Cornelius Hybrid Corn Co.....	Bellevue, Iowa
Corn King Hybrids.....	Malcolm H. Grieve.....	Pierson, Iowa
Crib Filler Hybrids.....	Mitchell Farms.....	Windfall, Ind.
Crow Hybrids.....	Crow Hybrid Corn Co.....	Milford
DeKalb Hybrids.....	DeKalb Agriculture Assn., Inc.....	310 N. 5th St., DeKalb
Dougans Hybrids.....	R. A. Dougan.....	Box 620, Beloit, Wisc.
Farmers Best Hybrids.....	Farmers Best Seed Co.....	Aledo
Forster Hybrids.....	Forster Seed Co.....	Donnellson, Iowa
Frey Hybrids.....	Frey Hybrid Corn Co., Inc.....	Gilman
Funk Hybrids.....	Funk Bros. Seed Co.....	Bloomington
Hillgoss Hybrids.....	Hillgoss Corp.....	McCordsville, Ind.
Hoblit Hybrids.....	Hoblit Farms.....	Atlanta
Hulting Hybrids.....	G. E. Hulting and Son, Inc.....	Geneseo
Hunerkoch Hybrids.....	Hunerkoch Seed Co.....	Metropolis
Illinois Hybrids.....	Illinois Agr. Exp. Station.....	Urbana
Kenbred Hybrids.....	Louisville Seed Co.....	Louisville, Ky.
Lewis Hybrids.....	Frank W. Lewis and Son Seed Farms.....	Ursa
McAllister Hybrids.....	McAllister Seed Farms.....	Mount Pleasant, Iowa
McNair Hybrids.....	McNair Seed Co.....	P.O. Box 706, Lauringburg, N. C.
Middlekoop Hybrids.....	John Middlekoop.....	Packwood, Iowa
Moews Hybrids.....	Moews Seed Co.....	Granville
Mountjoy Hybrids.....	Mountjoy Hybrid Seed Co.....	Atlanta
Munson Hybrids.....	Munson Hybrids.....	R. R. 3, Galesburg
Nichols Hybrids.....	Nichols Brothers.....	Hebron
Northrup-King Hybrids.....	Northrup, King & Co.....	1500 Jackson St. N. E., Minne- apolis 13, Minn.

Null Hybrids.....	Null Seed Farms.....	R. F. D. 1, Colchester
O-Y-O Hybrids.....	O-Y-O Seed Associates, Inc.....	Rt. 8, Box 9, Medina, Ohio
P.A.G. Hybrids.....	Pfister Assoc. Growers, Inc.....	W. Galena Road, Aurora
Pioneer Hybrids.....	Pioneer Hi-Bred Corn Co. of Illinois.....	Princeton
Prairie Gold Hybrids.....	Dittmer Seeds.....	Carthage
Pride Hybrids.....	Pride Co., Inc.....	Glen Haven, Wisc.
Princeton Hybrids.....	Princeton Farms.....	P. O. Box 319, Princeton, Ind.
Producers Hybrids.....	Producers Seed Co.....	Piper City
Robe Hybrids.....	Robe Hybrid Corn Co.....	Smithshire
Schenk's Hybrids.....	Charles H. Schenk and Sons, Inc.....	Vincennes, Ind.
Schwenk's Hybrids.....	Schwenk Seed Co.....	Edwards
Stewart Hybrids.....	Stewart Hybrids Inc.....	Princeville
Stiegelmeier Hybrids.....	H. L. Stiegelmeier.....	1400 Mark Lane, Normal
Stone Hybrids.....	Stone Seed Co.....	Pleasant Plains
Stull Hybrids.....	Stull Bros., Inc.....	Sebree, Ky.
Super-Crost Hybrids.....	Edw. J. Funk and Sons.....	Kentland, Ind.
Tiemann Hybrids.....	Tiemann Tested Hybrid Corn Co.....	917 E. Oakland Ave., Bloomington
Todd Hybrids.....	W. H. Todd and Son.....	Burlington, Ind.
Tomco Hybrids.....	Tomahawk Hybrid Corn Co.....	Belmond, Iowa
Trisler Hybrids.....	Trisler Seed Farms Inc.....	Fairmount
Troyer Hybrids.....	C. E. Troyer.....	R. R. 1, LaFontaine, Ind.
United-Hagie Hybrids.....	United-Hagie Hybrids, Inc.....	503 Park Street, Des Moines 9, Iowa
Van Horn Hybrids.....	Van Horn Hybrids, Inc.....	Cerro Gordo
Whisnand Hybrids.....	Whisnand Hybrid Corn Co.....	R. R. 3, Arcola
Wyffels Hybrids.....	William Wyffels.....	P. O. Box 157, R. R. 1, Geneseo

Table 3.—EXTREME NORTHERN ILLINOIS: Woodstock

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Pioneer 371.....	81.8	21.9	79	84
Cargill S412.....	91.8	24.3	86	79
Hulting 222.....	81.0	24.3	84	88
Cargill 180.....	77.0	24.3	78	82
Corn King 113.....	81.6	24.4	84	83
Hulting 242.....	80.8	24.4	87	87
Pioneer 354A.....	76.7	24.5	74	82
Hulting 260SC.....	79.0	24.7	76	79
Hulting 237.....	85.0	25.0	82	84
DeKalb 238.....	85.0	25.0	79	83
Pioneer 354.....	80.1	25.0	75	85
Pioneer 3447.....	81.2	25.3	83	83
Cargill 240.....	77.0	25.4	83	87
DeKalb 640.....	92.1	26.6	86	90
DeKalb 441.....	80.2	27.1	83	84
DeKalb 633.....	79.0	27.9	83	85
Average of all entries.....	82.0	25.0	81	84
<b>SUMMARY: 1962-1963</b>				
Pioneer 371.....	80.2	22.5	93	80
Cargill 180.....	79.2	23.2	92	79
DeKalb XL-345.....	83.1	23.4	94	85
Crib Filler 29.....	66.8	23.6	96	77
Cargill S412.....	91.7	24.0	98	78
Pioneer 3414.....	75.9	24.1	89	86
Hulting 242.....	79.1	24.2	98	83
DeKalb XL-45.....	88.8	24.4	99	86
Hulting 260SC.....	79.2	24.5	91	80
Hulting 222.....	90.1	24.6	98	88
Pioneer 354.....	84.2	24.6	97	85
Pioneer 3481.....	83.3	24.6	93	84
DeKalb 238.....	84.0	24.7	98	77
Corn King 113.....	79.6	24.9	97	80
Pride 69.....	78.4	24.9	97	83
Cargill 259.....	85.3	25.0	99	81
Pioneer 354A.....	77.8	25.0	96	83
Pioneer 3447.....	84.2	25.2	94	80
Illinois 1961 (Station).....	79.3	25.2	100	77
Crib Filler 33.....	79.5	25.4	92	84
DeKalb 640.....	95.4	25.7	98	91
Cargill 240.....	75.9	25.7	96	87
Pioneer 3284.....	74.6	25.9	98	80
Hulting 237.....	87.7	26.1	100	84
DeKalb 441.....	82.8	26.8	99	84
DeKalb 633.....	78.6	27.2	97	81
Average of all entries.....	81.6	24.8	96	83

Table 4.—NORTHERN ILLINOIS: DeKalb

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>percl.</i>	<i>percl.</i>	<i>percl.</i>
Pioneer 371	101.3	21.9	82	87
DeKalb 400	106.5	22.6	90	93
Hulting 222	95.3	22.7	93	86
Tiemann T-68	103.9	23.1	80	88
Hulting 237	104.8	23.3	84	92
DeKalb 441	116.4	23.6	89	89
Pioneer 329	111.3	23.6	82	87
Moews 48A	107.2	23.6	92	88
Super-Crost 340	99.4	23.8	79	89
Cargill 259	104.1	24.0	87	86
Hulting 242	106.1	24.4	95	91
DeKalb 633	111.7	24.6	89	91
Wyffels W-600	109.5	24.8	91	91
Pioneer 321	120.2	25.1	86	91
Pioneer 328B	112.6	25.1	86	89
Hulting 260SC	102.5	25.4	77	92
DeKalb 640	117.8	26.4	93	92
Average of all entries	107.7	24.0	87	89
<b>SUMMARY: 1962-1963</b>				
Pioneer 371	97.0	20.8	89	89
United-Hagie 3H39	106.8	21.8	94	91
Hulting 222	95.1	21.8	97	86
DeKalb 400	102.4	22.0	93	94
Tiemann T-68	100.1	22.1	86	86
Illinois 1961 (Station)	104.7	22.2	97	95
DeKalb 633	117.1	22.5	95	91
Todd 228	94.2	22.5	93	92
Pioneer 329	111.3	22.6	92	89
DeKalb XL-345	97.7	22.6	96	89
Pioneer 354	99.6	22.7	92	95
Crib Filler 43	105.0	22.8	98	91
Troyer M13TT	101.5	22.8	93	95
Todd 453	106.3	22.9	98	87
DeKalb 441	109.2	23.0	95	90
Super-Crost 340	89.6	23.0	90	89
Pioneer 3414	114.1	23.1	96	88
DeKalb XL-361	127.1	23.2	98	93
Hulting 237	103.9	23.2	99	91
Troyer M22	101.0	23.2	98	94
DeKalb 805	119.0	23.3	98	95
Cargill 259	98.9	23.4	96	88
United-Hagie 1380	96.4	23.4	97	88
Stewart SX-9E	97.9	23.6	94	92
Moews 48A	107.9	23.7	99	88
Pioneer 3284	121.0	23.9	98	89
Pioneer 328B	117.1	23.9	100	90
Wyffels W-600	112.2	24.1	97	91
Pride 832	115.5	24.3	96	89
Hulting 242	103.4	24.3	98	90
Hulting 480	103.4	24.3	96	85
Pioneer 321	115.4	24.4	96	93
Todd 645	117.6	24.5	95	95
Hulting 260SC	101.7	24.5	92	91
Stewart S-73	111.2	24.7	99	91
Corn King 213	118.8	24.9	98	89
Pioneer 328C	115.5	25.2	99	87
DeKalb 640	126.4	25.7	98	92
Average of all entries	107.4	23.3	96	91

Table 5.—WEST NORTH-CENTRAL ILLINOIS: Galesburg

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Whisnand 814.....	127.6	19.3	86	89
Munson M-15A.....	114.2	19.7	93	86
DeKalb 640.....	127.7	19.9	92	84
Middlekoop M-33.....	113.4	20.0	93	84
P.A.G. SX29.....	128.2	20.1	88	88
Forster F25.....	113.1	20.1	92	82
Tiemann T-68.....	106.2	20.1	82	90
Hulting 242.....	100.8	20.1	90	85
Tiemann T-78.....	116.2	20.2	83	95
Hulting 484.....	110.1	20.2	85	83
Bear Unicorn X600.....	136.5	20.4	88	92
Hulting 260SC.....	106.7	20.4	86	89
Middlekoop M-80.....	106.0	20.4	92	84
Troyer M22.....	102.1	20.5	93	87
Middlekoop M-88.....	117.4	20.6	85	90
Hulting 482.....	110.5	20.6	95	85
Cargill 340.....	102.6	20.6	89	89
DeKalb 805.....	112.1	20.7	91	87
Forster F700X.....	114.7	20.8	90	85
Moews 545.....	109.3	20.9	88	88
United-Hagie 158.....	130.2	21.1	84	88
Pioneer 314.....	115.9	21.1	90	92
Moews 560.....	119.7	21.2	88	87
Hulting 345.....	113.9	21.2	92	87
DeKalb 633.....	113.6	21.2	87	91
Bear OK69.....	121.0	21.3	82	90
Bear OK878.....	120.3	21.3	92	90
Ainsworth X-97.....	117.7	21.3	90	88
Forster F755.....	108.0	21.5	91	90
Whisnand 852.....	114.4	21.7	88	87
P.A.G. 418.....	109.3	21.7	83	90
Bear OK55A.....	115.4	21.9	85	92
Middlekoop M-81.....	110.4	21.9	94	93
Pioneer 3304.....	125.5	22.0	90	86
Pioneer 321A.....	121.2	22.1	85	86
Bear OK96.....	115.7	22.1	87	90
Moews 700.....	114.9	22.2	92	90
Pioneer 321.....	126.7	22.3	86	91
Pioneer 312A.....	111.0	22.8	86	84
Average of all entries.....	115.1	20.9	88	88
<b>SUMMARY: 1962-1963</b>				
Whisnand 814.....	124.7	18.4	87	87
Pioneer 3284.....	118.4	18.6	94	92
Munson M-15A.....	110.2	19.0	91	83
Forster F615.....	103.4	19.3	90	89
Hulting 242.....	101.2	19.3	87	90
Moews 545.....	108.1	19.4	86	89
Forster F25.....	107.5	19.4	91	85
Farmers Best 77.....	103.1	19.4	88	89
Middlekoop M-33.....	114.4	19.6	92	87
DeKalb 640.....	127.8	19.7	91	87
Middlekoop M-88.....	118.0	19.8	87	90
Tiemann T-78.....	106.7	19.8	82	95
Schwenk S-25C.....	105.6	19.8	92	81
Tiemann T-68.....	101.1	19.8	81	88
Middlekoop M-80.....	98.9	19.8	91	83
Pioneer 3280.....	108.0	19.9	87	87
DeKalb 805.....	103.5	19.9	88	88
Cargill 340.....	92.7	19.9	91	88
Pioneer 328B.....	121.3	20.0	89	87
Pioneer 3359.....	113.7	20.0	86	86
Hulting 482.....	109.5	20.0	95	85
P.A.G. SX29.....	120.5	20.1	86	88
Hulting 484.....	110.2	20.1	84	83
Hulting 260SC.....	102.4	20.1	84	91

(Table is concluded on next page)

Table 5. — Galesburg — concluded

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1962-1963 — concluded</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Troyer M13TT.....	112.2	20.2	87	93
Bear Unicorn X600.....	131.5	20.3	85	94
Null N-41.....	115.5	20.3	91	86
Hulting 345.....	114.1	20.4	92	90
Moews 90A.....	111.6	20.4	86	87
Super-Crost 891.....	108.6	20.4	93	81
McAllister 23A.....	118.8	20.5	94	90
Van Horn V.H. 624.....	118.4	20.5	89	90
Farmers Best 77T.....	108.9	20.5	92	82
Troyer M39T.....	106.6	20.5	89	90
Troyer M22.....	99.8	20.5	92	89
United-Hagie 158.....	128.4	20.6	87	89
McAllister 77B.....	118.4	20.6	83	89
Forster F700X.....	101.5	20.6	88	86
Forster F800X.....	116.8	20.8	88	96
Ainsworth X-97.....	116.8	20.8	86	88
Pioneer 314.....	116.1	20.8	93	91
Bear OK878.....	114.2	20.8	93	91
Moews 560.....	112.7	20.8	85	88
Bear OK55A.....	110.2	20.8	87	90
Whisnand 852.....	104.3	20.8	89	87
DeKalb 633.....	110.7	20.9	89	88
DeKalb 824.....	117.3	21.0	84	89
Van Horn V.H. 622.....	107.2	21.0	89	87
Cornelius C85.....	102.1	21.0	91	89
Troyer M33.....	117.3	21.1	92	84
Farmers Best 500.....	103.7	21.1	94	88
P.A.G. 418.....	99.3	21.1	83	89
Forster F755.....	104.6	21.2	92	88
Bear OK69.....	114.7	21.4	86	90
Pioneer 321A.....	114.2	21.4	88	86
Bear OK96.....	110.8	21.5	88	91
Troyer M44.....	127.7	21.6	89	94
Middlekoop M-81.....	106.9	21.7	94	94
Pioneer 3304.....	119.9	21.8	94	86
McAllister 6104.....	117.9	21.9	92	89
Moews 700.....	116.4	21.9	93	90
Pioneer 321.....	124.4	22.0	89	91
Pioneer 312A.....	106.9	22.2	85	85
Bear Unicorn X800.....	122.4	23.0	93	92
United-Hagie 160.....	115.1	24.8	82	86
Average of all entries.....	111.9	20.6	89	88

Table 6.—EAST NORTH-CENTRAL ILLINOIS: Ashkum

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Hulting 471.....	93.8	18.8	88	87
Hulting 482.....	110.5	19.7	90	88
Crib Filler 70.....	104.2	19.9	88	88
Frey 692.....	100.2	19.9	78	83
Troyer M22.....	105.1	20.0	82	87
Van Horn V.H.109.....	112.7	20.1	89	89
DeKalb 805.....	113.0	20.2	81	85
Ainsworth X-96.....	111.1	20.3	88	88
Hulting 260SC.....	92.7	20.3	73	89
Hulting 345.....	107.4	20.5	87	89
Frey 892.....	106.1	20.5	76	94
Bear OK72AA.....	110.7	20.6	78	87
Moews 560.....	104.6	20.6	78	83
Tiemann T-68.....	98.2	20.6	82	89
Cargill 330.....	113.3	20.7	83	87
Cargill 310.....	103.8	20.7	85	88
Crib Filler 63.....	97.7	20.7	82	82
Pioneer 328B.....	113.3	20.8	80	96
Trisler T-32A.....	101.5	20.8	74	84
Ainsworth X-103.....	98.3	20.8	92	87
Troyer M39T.....	100.6	20.9	88	88
Crib Filler 66.....	119.2	21.2	83	84
Bear OK44.....	108.2	21.3	90	85
Pioneer 321A.....	132.3	21.4	87	93
Pioneer 321.....	110.7	21.4	77	92
Bear OK55A.....	109.5	21.4	79	82
Trisler T-32B.....	100.2	21.4	78	82
United-Hagle 158.....	116.5	22.1	79	92
Moews 700.....	100.1	22.3	87	83
Pioneer 3304.....	122.0	22.4	91	91
Crib Filler 123.....	103.8	22.7	82	86
Pioneer 312A.....	113.0	23.3	80	95
Illinois 3347 (Station).....	117.6	23.4	80	90
DeKalb 898B.....	109.0	23.4	81	91
Average of all entries.....	107.4	21.0	82	88
<b>SUMMARY: 1962-1963</b>				
McAllister 99B.....	108.6	18.3	95	86
Hulting 471.....	88.1	18.7	96	87
Pioneer 3280.....	103.4	18.8	97	92
Pioneer 3359.....	146.7	19.0	99	94
Hulting 482.....	111.8	19.3	96	90
Illinois 3167B (Station).....	115.4	19.7	96	85
DeKalb 805.....	115.7	19.8	94	87
Crib Filler 70.....	106.5	19.8	96	91
Frey 506.....	92.7	19.8	93	82
Van Horn V.H.109.....	115.2	19.9	96	91
Pioneer 3284.....	108.6	20.1	97	88
Trisler T-30B.....	104.7	20.1	97	82
Hulting 345.....	102.8	20.1	94	88
Frey 692.....	98.7	20.1	93	81
Bear OK72AA.....	111.6	20.2	92	87
Illinois 1996 (Station).....	101.4	20.2	86	90
Trisler T-19B.....	90.8	20.2	93	83
Ainsworth X-103.....	100.9	20.3	94	88
Hulting 260SC.....	85.7	20.3	89	89
Trisler T-32A.....	99.4	20.4	87	84
Pioneer 328B.....	109.3	20.5	92	95
Ainsworth X-96.....	105.8	20.5	96	87
Moews 560.....	105.3	20.5	92	83
Cargill 330.....	114.3	20.6	89	88
Troyer M22.....	100.8	20.6	91	85
Troyer M39T.....	96.7	20.6	96	88
DeKalb 824.....	109.3	20.7	92	90
Trisler T-25B.....	105.8	20.8	93	89
Cargill 310.....	102.3	20.8	93	89
Crib Filler 63.....	101.7	20.8	91	83
Tiemann T-68.....	99.8	20.8	94	94
Frey 892.....	107.3	20.9	92	93

(Table is concluded on next page)

Table 6. — Ashkum — concluded

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1962-1963 — concluded</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Crib Filler 72.....	103.1	21.0	96	82
Bear OK44.....	108.5	21.1	95	85
Trisler T-32B.....	100.6	21.1	93	85
Crib Filler 116.....	119.4	21.2	89	90
Crib Filler 66.....	121.6	21.3	92	86
Moews 90A.....	108.8	21.3	96	90
Trisler T-903.....	107.6	21.3	92	85
Pioneer 321A.....	138.3	21.5	95	93
Pioneer 321.....	114.4	21.5	94	92
Illinois 1421 (Station).....	114.1	21.5	85	89
Troyer M33.....	110.1	21.5	95	86
Bear OK55A.....	104.2	21.6	94	80
Crib Filler 78.....	109.5	21.9	84	87
Troyer M13TT.....	107.0	21.9	95	88
United-Hagie 158.....	116.0	22.3	88	94
DeKalb 898B.....	104.4	22.5	91	90
Crib Filler 123.....	109.7	22.7	90	89
Pioneer 3304.....	128.2	22.9	98	92
Moews 700.....	101.8	23.0	95	84
Van Horn V.H.624.....	112.3	23.2	95	88
Pioneer 312A.....	110.8	23.5	94	96
Illinois 3347 (Station).....	118.6	23.7	97	88
United-Hagie 160.....	105.2	25.9	95	92
Average of all entries.....	108.0	21.0	93	88



Table 7.—WEST-CENTRAL ILLINOIS: Augusta

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Troyer M22.....	101.4	19.4	95	83
Whisnand 814.....	109.0	20.0	94	88
Hulting 482.....	95.9	20.2	93	81
Moews 524.....	107.3	20.3	93	90
DeKalb 805.....	106.2	20.4	94	86
McAllister X1001.....	105.2	20.4	94	86
Cargill 340.....	102.9	20.4	94	83
Pioneer 321.....	117.7	21.1	93	91
DeKalb 633.....	103.5	21.1	90	84
Lewis L-703.....	97.4	21.2	92	88
Bear Unicorn X600.....	111.9	21.3	88	88
Prairie Gold D-896.....	107.0	21.3	94	86
Hulting 345.....	104.7	21.3	97	82
Whisnand 830.....	98.4	21.6	88	80
Whisnand 852.....	118.8	21.8	87	88
Pioneer 3304.....	116.1	21.8	94	88
Pioneer 312A.....	113.2	22.3	90	86
DeKalb 898B.....	107.7	22.6	92	88
Average of all entries.....	106.9	21.0	92	86
<b>SUMMARY: 1962-1963</b>				
Troyer M22.....	90.7	17.9	92	83
Moews 524.....	107.8	18.3	92	89
Hulting 482.....	93.4	18.4	92	83
Whisnand 814.....	116.4	18.5	94	88
Pioneer 3284 (formerly 7794).....	105.0	18.7	98	85
DeKalb 805.....	104.8	18.8	94	83
Bear OK848.....	102.0	19.0	91	85
Hulting 345.....	104.2	19.1	97	81
McAllister X1001.....	103.8	19.3	92	87
Bear OK697.....	101.6	19.3	90	82
Prairie Gold D-896.....	109.7	19.4	93	90
Pioneer 321.....	121.1	19.5	94	88
Cargill 340.....	100.6	19.5	94	83
Whisnand 852.....	126.9	19.8	88	87
DeKalb 824.....	111.2	19.8	90	86
Pioneer 3304.....	114.5	19.9	97	84
Bear Unicorn X600.....	102.2	20.1	88	88
DeKalb 633.....	97.3	20.1	90	85
Lewis L-703.....	90.2	20.1	90	84
Troyer M44.....	119.9	20.2	98	94
DeKalb 898B.....	107.1	20.2	92	89
Pioneer 312A.....	118.0	20.3	86	86
Troyer M33.....	95.1	20.3	96	86
Whisnand 830.....	98.4	20.5	89	83
Ainsworth SD-36.....	107.6	20.6	96	92
Pioneer 302B.....	107.2	20.9	90	87
McAllister 6104.....	106.1	21.2	97	85
Pioneer 312B.....	114.4	21.7	94	88
Average of all entries.....	106.3	19.7	93	86

Table 8. — CENTRAL ILLINOIS: Stanford

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Mountjoy M-100.....	114.2	20.3	89	92
Trisler T-19B.....	100.7	21.0	89	87
Trisler T-32B.....	107.7	21.1	95	88
Trisler T-32A.....	107.7	21.1	90	91
DeKalb 805.....	124.3	21.2	95	90
Whisnand 814.....	120.8	21.2	96	91
Illinois 3346 (Station)	127.0	21.3	94	92
P.A.G. SX29.....	127.1	21.6	96	88
Cargill 340.....	108.5	21.7	90	86
Null N-100.....	119.7	21.8	92	90
DeKalb 633.....	110.8	21.8	94	89
Crib Filler 66.....	118.1	21.9	93	84
Moews 69A.....	117.5	21.9	95	88
Whisnand 830.....	116.4	22.0	91	89
Frey F57.....	119.2	22.2	94	87
P.A.G. SX19.....	129.5	22.3	93	92
Pioneer 321.....	126.7	22.3	92	91
Todd 855.....	122.7	22.4	90	87
Bear OK44.....	122.6	22.4	93	86
Stiegelmeier Hi-B-Jack S-600	118.0	22.5	91	89
Stiegelmeier Hi-B-Jack S-396	122.8	22.6	92	88
Moews 90A.....	121.6	22.7	93	90
Whisnand 852.....	115.1	22.7	90	87
Illinois 3348 (Station)	116.5	22.8	90	91
Pioneer 312A.....	123.6	23.6	93	89
Average of all entries.....	118.3	22.0	92	89
<b>SUMMARY: 1962-1963</b>				
Mountjoy M-100.....	119.5	19.6	95	94
Ainsworth X-98A.....	121.3	20.6	96	87
Ainsworth X-97A.....	113.6	20.7	96	87
Trisler T-32B.....	111.9	20.7	93	89
Trisler T-19B.....	103.1	20.8	92	88
Illinois 3346 (Station)	127.4	20.9	94	94
Trisler T-25B.....	125.1	21.1	96	91
Trisler T-903.....	119.1	21.2	93	92
Cargill S440.....	118.5	21.3	95	84
Trisler T-32A.....	113.1	21.3	93	95
Pioneer 3284.....	127.4	21.4	97	90
Whisnand 814.....	125.8	21.4	96	93
DeKalb 633.....	114.8	21.4	94	90
Trisler T-30B.....	111.7	21.5	94	87
P.A.G. SX29.....	126.9	21.6	97	88
DeKalb 805.....	121.6	21.6	95	90
Ainsworth X-6.....	126.8	21.8	96	86
Cargill 340.....	112.1	21.9	92	85
Illinois 3347 (Station)	130.3	22.0	94	92
Van Horn V.H. 622.....	126.8	22.0	92	87
Stiegelmeier Hi-B-Jack S-396	124.7	22.0	90	89
Whisnand 830.....	123.1	22.0	92	91
Crib Filler 66.....	122.8	22.0	95	83
Pioneer 328B.....	119.2	22.0	94	89
Pioneer 3304.....	136.9	22.1	97	89
Bear OK44.....	120.2	22.2	95	88
Null N-100.....	110.4	22.2	94	91
P.A.G. SX19.....	128.7	22.4	91	94
Moews 69A.....	119.4	22.5	97	86
Whisnand 852.....	114.6	22.6	90	87
Crib Filler 78.....	119.8	22.7	94	87
Pioneer 321A.....	142.1	22.9	94	90
Pioneer 321.....	128.8	22.9	92	91
Moews 90A.....	123.7	22.9	92	94
Illinois 3348 (Station)	119.0	22.9	93	94
Frey F57.....	120.4	23.0	96	87
Todd 855.....	129.8	23.1	92	88
Stiegelmeier Hi-B-Jack S-600	127.9	23.3	96	89
Pioneer 312A.....	124.3	23.3	94	87
Frey F60.....	135.2	23.4	95	91
Van Horn V.H. 624.....	126.5	23.5	91	91
Pioneer 302B.....	131.8	24.0	92	93
Average of all entries.....	122.5	22.0	94	89

Table 9.—EAST-CENTRAL ILLINOIS: Urbana

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Trisler T-19B	99.6	20.0	92	88
Troyer M22	115.5	20.9	99	93
Pioneer 321A	139.2	21.4	96	90
Whisnand 814	127.2	21.5	94	87
Whisnand 830	118.0	21.5	90	89
Schenk 60A	115.7	21.5	94	91
Princeton 685	110.7	21.6	96	89
DeKalb 805	122.2	21.8	96	88
Trisler T-32A	115.3	21.8	94	89
Frey 892	111.1	21.8	93	91
Todd 627	117.7	21.9	97	86
Moews 524A	121.0	22.0	98	92
Van Horn V.H. 109	110.7	22.0	97	91
Stiegelmeier Hi-B-Jack S-600	131.6	22.2	92	91
Todd 635	110.2	22.3	91	87
Princeton 840-A	109.9	22.3	95	86
Bear OK878	131.8	22.4	98	89
Schenk S-73	124.5	22.7	96	90
P.A.G. 405	120.4	22.7	95	93
Appl A159	118.7	22.7	90	90
Trisler T-32B	105.3	22.7	93	90
P.A.G. SX29	141.9	22.8	96	90
Pioneer 321	131.3	22.8	97	87
Crib Filler 66	128.6	22.8	95	86
DeKalb 824	122.6	22.9	93	94
Stiegelmeier Hi-B-Jack S-396	124.7	23.0	90	92
P.A.G. 418	113.1	23.0	91	88
Bear OK44	121.9	23.1	96	91
P.A.G. SX19	123.3	23.3	95	88
Crib Filler 123	123.2	23.4	92	88
Princeton 8-A	112.9	23.4	97	90
Crib Filler 116	120.0	23.7	95	95
Moews 560	110.2	23.8	94	93
Whisnand 852	127.5	24.1	95	85
Bear OK55A	120.5	24.2	94	91
Bear Unicorn X606	127.2	24.3	92	91
Pioneer 312A	118.7	24.6	95	88
P.A.G. 444	112.2	25.0	96	88
Princeton 990-A	121.2	29.2	96	91
Average of all entries	119.9	22.8	95	90
<b>SUMMARY: 1962-1963</b>				
Appl S.S. 4	117.4	18.1	97	95
Trisler T-19B	101.6	18.2	94	92
Pioneer 321A	142.0	18.7	99	94
Trisler T-32A	115.4	18.9	98	93
Troyer M22	112.6	18.9	99	96
Whisnand 830	123.7	19.0	95	89
Trisler T-25B	113.5	19.0	99	92
Whisnand 814	132.0	19.2	97	91
Frey F506	130.4	19.2	100	98
Schenk S-60A	111.9	19.2	92	94
Pioneer 3284	129.5	19.3	99	93
Schenk S-73	128.9	19.3	98	92
Todd 635	119.9	19.3	99	91
Moews 524A	116.1	19.4	98	92
Princeton 685	105.1	19.4	98	90
DeKalb 640	131.2	19.5	100	94
Van Horn V.H. 624	131.1	19.6	98	91
DeKalb 824	127.3	19.6	97	95
Van Horn V.H. 622	120.6	19.6	99	93
Bear Unicorn X800	124.7	19.7	97	95
DeKalb 805	116.0	19.7	97	91
Frey 892	113.8	19.7	98	93
Pioneer 3304	135.6	19.8	99	89
Bear OK878	134.5	19.8	100	97

(Table is concluded on next page)

Table 9. — Urbana — concluded

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1962-1963 — concluded</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Stiegelmeier Hi-B-Jack S-396.....	128.2	19.8	95	94
P.A.G. SX19.....	125.2	19.8	98	95
P.A.G. 405.....	124.5	19.8	96	96
P.A.G. 418.....	113.6	19.8	93	91
P.A.G. SX29.....	141.7	19.9	100	94
Todd 862.....	132.9	19.9	98	97
Crib Filler 116.....	120.7	19.9	96	97
Appl A159.....	119.7	19.9	92	92
Trisler T-30B.....	115.4	19.9	98	95
Todd 627.....	112.6	19.9	99	88
Van Horn V.H. 109.....	110.6	19.9	100	93
Ainsworth X-98A.....	122.4	20.0	99	95
Trisler T-32B.....	102.7	20.0	98	91
Crib Filler 123.....	127.3	20.1	94	94
Moews 90A.....	115.8	20.1	96	96
Crib Filler 134.....	132.4	20.2	96	97
Appl S.S. 3.....	109.0	20.3	99	92
Stiegelmeier Hi-B-Jack S-600.....	134.7	20.4	99	93
Super-Crost 891.....	126.3	20.4	99	89
Bear OK44.....	122.6	20.4	98	95
Princeton 840-A.....	110.2	20.4	96	89
Pioneer 321.....	137.0	20.6	99	93
Crib Filler 66.....	136.8	20.6	99	89
Whisnand 852.....	131.3	20.6	97	89
Trisler T-903.....	122.4	20.6	99	91
Troyer M44.....	120.4	20.6	99	94
Moews 560.....	107.0	20.6	94	97
Ainsworth X-6.....	132.2	20.7	98	92
Princeton 8-A.....	112.7	20.7	99	92
Troyer M33.....	118.4	20.9	100	92
DeKalb 633.....	112.6	20.9	98	93
Frey F60.....	131.7	21.0	99	89
Crib Filler 78.....	128.4	21.2	95	91
Bear OK55A.....	119.4	21.3	99	95
P.A.G. 444.....	111.9	21.3	98	93
Pioneer 312A.....	133.0	21.7	97	97
Moews 700.....	118.8	21.7	98	95
Bear Unicorn X606.....	131.8	21.9	98	94
Pioneer 302B.....	123.0	21.9	99	97
Pioneer 309B.....	128.2	23.8	97	96
Princeton 990-A.....	127.9	25.9	97	94
Average of all entries.....	122.6	20.2	98	93

Table 10. — WEST SOUTH-CENTRAL ILLINOIS: Greenfield

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
DeKalb 640.....	119.8	17.0	87	91
Moews 69A.....	119.8	17.9	87	90
Bear OK878.....	120.6	18.2	84	92
DeKalb 805.....	115.8	18.3	84	89
Pioneer 321.....	136.2	18.8	85	94
Ainsworth X-100.....	129.7	19.1	86	93
Moews 700.....	116.9	19.3	90	92
Bear OK96.....	114.9	19.4	81	91
Pioneer 312A.....	123.5	20.2	83	93
Pioneer 309B.....	132.0	22.1	91	89
Average of all entries.....	122.9	19.0	86	91
<b>SUMMARY: 1962-1963</b>				
DeKalb 640.....	127.5	16.6	96	91
Illinois 8029 (Station).....	142.0	17.1	91	91
Pioneer 3212 (formerly 6272).....	134.8	17.5	98	95
Moews 69A.....	129.5	17.6	98	87
DeKalb 805.....	118.7	17.8	94	89
Bear OK878.....	127.7	17.9	95	92
Van Horn V.H.624.....	133.7	18.0	94	94
Illinois 8010 (Station).....	137.8	18.2	90	88
Bear OK848.....	132.7	18.3	96	92
DeKalb 824.....	122.0	18.4	93	93
Cargill 360.....	133.9	18.6	88	95
Illinois 9003 (Station).....	128.1	18.6	94	95
Ainsworth X-100.....	145.7	18.8	95	97
Pioneer 3304.....	132.1	18.8	99	92
Illinois 8008 (Station).....	128.8	18.8	88	91
Van Horn V.H.622.....	126.5	18.9	83	89
Pioneer 314.....	133.5	19.1	95	91
Bear OK96.....	121.5	19.2	92	91
Bear Unicorn X800.....	129.5	19.3	90	90
Illinois 8013 (Station).....	129.1	19.4	90	89
Illinois 3347 (Station).....	127.4	19.4	89	94
Moews 700.....	126.7	19.4	96	94
Pioneer 321.....	145.3	19.5	97	95
Pioneer 302B.....	133.2	19.6	96	97
Pioneer 312A.....	135.7	20.2	88	92
Pioneer 312B.....	131.5	20.3	94	92
Pioneer 309B.....	153.0	21.8	94	91
Average of all entries.....	132.1	18.8	93	92

Table 11.—SOUTHERN ILLINOIS: Brownstown

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Tiemann T-78.....	82.1	17.5	88	91
Moews 90A.....	81.8	18.1	91	92
Bear OK878.....	87.3	18.5	96	88
Bear Unicorn X600.....	96.0	18.7	92	86
Bear OK69.....	86.1	18.8	90	88
Van Horn V.H.76.....	83.8	18.8	91	93
Stull's 101Y.....	101.3	19.2	92	88
Bear OK96A.....	94.0	19.4	89	90
Pioneer 321.....	95.2	19.6	90	90
Schenk S-84.....	77.8	19.6	91	85
Stull's 100Y.....	91.0	20.2	87	93
Schenk S-73.....	87.4	20.3	89	92
Moews 700.....	84.3	21.0	91	90
Pioneer 312A.....	87.0	21.4	89	91
DeKalb 898B.....	90.0	21.6	91	93
Ainsworth X-100.....	89.3	21.8	95	90
Pioneer 309A.....	83.6	24.5	96	86
Pioneer 309B.....	94.1	24.9	94	94
Average of all entries.....	88.4	20.2	91	90
<b>SUMMARY: 1962-1963</b>				
Pioneer 3304.....	82.8	15.8	96	91
Moews 90A.....	72.0	15.9	91	90
Tiemann T-78.....	75.1	16.3	88	91
Bear Unicorn X600.....	91.9	16.4	91	86
Pioneer 3212 (formerly 6272).....	84.4	16.5	90	94
Pioneer 314.....	83.9	16.9	89	90
Bear OK878.....	77.5	16.9	96	88
Bear OK69.....	77.3	17.2	90	87
Crib Filler 78.....	91.4	17.4	88	90
Van Horn V.H.76.....	72.8	17.4	92	92
Bear OK96A.....	78.4	17.7	87	89
Pioneer 321.....	82.6	17.9	88	88
Schenk S-84.....	69.0	18.0	89	85
Stull's 101Y.....	94.0	18.1	90	89
Van Horn V.H.622.....	83.0	18.2	88	88
Van Horn V.H.624.....	79.4	18.4	93	90
Stull's 100Y.....	77.2	18.5	82	91
Ainsworth SD-36.....	73.2	18.6	91	91
Schenk S-73.....	80.5	18.7	86	94
Pioneer 312A.....	77.1	18.7	87	90
Moews 700.....	75.9	19.1	91	88
DeKalb 898B.....	81.8	19.8	90	95
Ainsworth X-100.....	80.4	20.5	92	88
Stull's 500W.....	69.7	20.5	78	85
Pioneer 309A.....	71.2	21.5	94	87
Pioneer 309B.....	76.4	22.0	92	92
DeKalb 1006.....	84.2	22.7	94	88
Average of all entries.....	79.4	18.4	90	90

Table 12. — EXTREME SOUTHERN ILLINOIS BOTTOMLAND:  
Dixon Springs

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>percl.</i>	<i>percl.</i>	<i>percl.</i>
Whisnand 830.....	112.1	18.6	96	83
Moews 90A.....	101.7	19.1	99	83
Princeton 840-A.....	88.6	19.2	97	77
Pioneer 321.....	113.1	19.3	99	81
Schenk S-73.....	108.3	19.4	99	85
Princeton 685.....	92.2	19.9	96	81
Moews 700.....	101.5	20.0	97	81
Princeton 8-A.....	93.2	20.2	100	83
Pioneer 312B.....	115.9	20.4	98	82
Burgdorf B-846.....	89.1	20.5	90	80
Stull's 101Y.....	114.5	20.7	97	81
Ainsworth X-100.....	105.5	20.7	98	81
Stull's 100Y.....	109.2	20.8	97	77
Pioneer 312A.....	109.0	21.1	97	85
Schenk S-87.....	111.8	21.2	96	85
Burgdorf B-99W.....	112.5	21.8	95	79
DeKalb 925A.....	115.9	21.9	93	84
Princeton 990A.....	116.2	22.4	98	83
Pioneer 309A.....	107.0	22.9	99	74
Stull's 500W.....	119.3	23.0	89	78
Pioneer 309B.....	113.9	24.9	99	84
Average of all entries.....	106.7	20.8	96	81
<b>SUMMARY: 1962-1963</b>				
Whisnand 830.....	111.6	17.1	96	84
Pioneer 3212 (formerly 6272).....	109.3	17.8	100	87
Princeton 685.....	90.2	17.9	97	79
Pioneer 321.....	118.4	18.0	100	80
Moews 90A.....	101.7	18.1	99	83
Princeton 840-A.....	84.2	18.1	97	75
Illinois 9001 (Station).....	121.7	18.3	98	85
Schenk S-99AW.....	115.8	18.3	96	89
Schenk S-73.....	108.4	18.3	98	86
Princeton 8-A.....	95.3	18.7	99	85
Pioneer 312B.....	112.9	18.8	97	82
Ainsworth SD-36.....	96.9	18.8	99	84
Stull's 100Y.....	110.9	19.1	99	78
Pioneer 302B.....	109.6	19.1	97	75
Moews 700.....	103.3	19.3	100	78
Schenk S-87.....	114.0	19.4	98	88
Pioneer 312A.....	113.5	19.6	96	85
Stull's 101Y.....	119.0	19.7	97	81
Ainsworth X-100.....	106.0	19.7	97	81
Burgdorf B-846.....	86.8	19.9	97	80
Pioneer 3304.....	98.2	20.0	99	80
Burgdorf B-99W.....	106.8	20.2	99	78
Illinois 3364 (Station).....	120.1	20.3	96	84
DeKalb 1006.....	115.5	20.5	97	82
DeKalb 925A.....	119.1	20.9	99	84
Stull's 500W.....	122.0	21.0	90	75
Princeton 990-A.....	118.5	21.7	99	83
DeKalb 1004.....	114.5	21.9	94	86
Pioneer 309A.....	109.0	22.1	99	72
DeKalb C912.....	118.8	22.7	99	82
Pioneer 309B.....	117.6	23.1	99	82
Average of all entries.....	109.3	19.6	98	82

Table 13.—EXTREME SOUTHERN ILLINOIS UPLAND:  
Carbondale

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1962-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Whisman 830.....	78.9	16.6	93	85
Illinois 1851 (Station).....	75.1	16.9	95	91
Pioneer 3304.....	81.0	17.0	99	88
Illinois 8018 (Station).....	63.5	17.1	93	83
Pioneer 3212 (formerly 6272).....	72.9	17.2	98	87
Illinois 9001 (Station).....	69.8	17.4	96	93
Princeton 685.....	66.2	17.4	94	87
Princeton 840-A.....	61.6	17.4	88	80
Schenk S-99AW.....	54.0	17.4	92	85
Moews 90A.....	58.3	17.5	97	90
Stull's 101Y.....	73.9	17.6	92	86
Schenk S-73.....	58.9	17.7	90	89
Ainsworth SD-36.....	80.2	17.9	99	89
Burgdorf B-99W.....	67.3	17.9	94	88
Pioneer 321.....	66.0	17.9	95	91
Princeton 8-A.....	61.9	18.0	96	87
Burgdorf B-846.....	70.4	18.3	99	82
Pioneer 312B.....	63.5	18.3	92	92
DeKalb 925A.....	57.9	18.3	88	85
Pioneer 302B.....	71.2	18.7	97	91
Princeton 990-A.....	63.5	18.7	94	83
Pioneer 312A.....	74.4	18.8	93	88
Schenk S-87.....	46.0	18.9	93	89
Moews 700.....	50.8	19.0	96	85
Stull's 100Y.....	67.1	19.3	91	90
Ainsworth X-100.....	59.7	19.6	98	88
Stull's 500W.....	56.6	19.6	87	83
Illinois 3364 (Station).....	71.6	19.7	93	89
Pioneer 309A.....	76.0	19.8	95	88
DeKalb 1004 (formerly C909).....	58.4	19.8	91	88
DeKalb 1006 (formerly C906).....	65.7	21.1	96	87
DeKalb C912.....	77.6	21.3	95	91
Pioneer 309B.....	64.5	21.7	95	81
Average of all entries.....	66.7	18.5	94	87



Table 14. — INCREASED PLANTING RATES —  
NORTHERN ILLINOIS: DeKalb  
(24,000 plants per acre)

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Pioneer 371	96.7	21.6	82	89
DeKalb 440	104.7	23.5	79	94
Pioneer 329	111.2	23.7	79	90
DeKalb 444	110.7	24.3	88	93
Illinois (Hy2 x Oh7)	100.5	24.4	65	91
Pioneer 321	128.9	24.9	79	86
Illinois (WF9 x C103)	72.1	25.1	87	73
Pioneer 328B	120.7	25.2	84	93
DeKalb 633	109.5	25.9	76	90
DeKalb 640	124.4	26.1	83	87
Illinois 1996 (Station)	108.8	26.1	75	87
Average of all entries	108.8	24.6	81	88
<b>SUMMARY: 1962-1963</b>				
Pioneer 371	95.4	20.8	96	87
DeKalb 440	103.4	22.5	92	94
Pioneer 354	94.1	22.5	89	87
Pioneer 3414 (formerly 5654)	118.2	22.7	91	92
Pioneer 329	116.5	22.9	92	90
Illinois 3152 (Station)	108.1	23.0	96	91
Super-Crost S-5	99.0	23.1	96	90
Crib Filler 43	104.2	23.4	94	86
Illinois (Hy2 x Oh7)	122.1	23.7	89	91
Pioneer 328C	125.8	23.8	91	92
DeKalb 441	114.4	23.8	97	92
DeKalb 444	113.9	23.8	96	92
Pioneer 321	134.1	23.9	92	91
Pioneer 328B	126.6	23.9	95	91
Pioneer 3284 (formerly 7794)	126.6	24.4	99	86
DeKalb 633	114.3	24.6	94	88
Illinois (WF9 x C103)	69.6	24.8	95	82
DeKalb 640	128.0	25.6	97	88
Illinois 1996 (Station)	117.0	26.1	92	90
Average of all entries	112.2	23.6	94	89

Table 15. — INCREASED PLANTING RATES —  
EAST-CENTRAL ILLINOIS: Urbana  
(24,000 plants per acre)

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Illinois (Hy2 x Oh7).....	118.9	21.0	84	85
P.A.G. SX29.....	136.8	21.3	95	89
Whisnand 830.....	109.8	21.9	82	87
Pioneer 321A.....	123.7	22.8	85	90
Pioneer 321.....	120.7	23.1	89	89
Crib Filler 116.....	122.2	23.2	92	91
P.A.G. SX19.....	127.0	23.7	84	87
Whisnand 852.....	124.4	23.9	88	85
Pioneer 312A.....	118.8	24.7	86	83
Average of all entries.....	122.5	22.8	87	87
<b>SUMMARY: 1962-1963</b>				
DeKalb 640.....	146.2	18.7	96	94
Illinois (Hy2 x Oh7).....	119.6	18.9	89	90
P.A.G. SX29.....	143.1	19.1	100	90
Pioneer 3284.....	140.5	19.2	96	94
Whisnand 826.....	125.5	19.3	96	92
Pioneer 3304.....	128.7	19.7	95	91
Whisnand 830.....	116.3	19.8	88	88
Frey 62.....	144.6	20.2	95	95
P.A.G. SX19.....	128.0	20.2	91	87
Crib Filler 116.....	126.7	20.3	93	92
Pioneer 321.....	128.8	20.6	96	92
Pioneer 321A.....	130.3	20.8	89	89
Whisnand 852.....	132.8	21.1	90	88
Pioneer 312A.....	117.5	21.8	87	91
Pioneer 302B.....	123.0	21.9	94	92
Pioneer 309B.....	109.8	24.6	94	86
Average of all entries.....	128.9	20.4	93	91

Table 16. — INCREASED PLANTING RATES —  
WEST-CENTRAL ILLINOIS: Greenfield  
(20,000 plants per acre)

Entry	Total acre yield	Moisture in grain at harvest	Erect plants	Stand
<b>SUMMARY: 1961-1963</b>				
	<i>bu.</i>	<i>perct.</i>	<i>perct.</i>	<i>perct.</i>
Illinois (Hy2 x Oh7).....	99.3	17.0	68	86
DeKalb 805.....	117.4	17.9	86	86
Pioneer 321.....	133.7	18.2	76	91
Pioneer 312A.....	107.3	20.2	85	89
Pioneer 309B.....	128.4	22.0	84	83
Average of all entries.....	117.2	19.1	80	87
<b>SUMMARY: 1962-1963</b>				
Illinois (Hy2 x Oh7).....	107.8	17.2	62	91
Pioneer 314.....	136.5	18.0	96	93
DeKalb 805.....	124.1	18.3	87	87
Pioneer 3304.....	141.7	18.7	94	88
Pioneer 321.....	146.6	18.8	79	93
Illinois 8010 (Station).....	135.0	19.0	82	92
Pioneer 3212.....	142.7	19.4	92	92
Pioneer 312B.....	138.2	19.4	84	95
Pioneer 302B.....	138.0	20.1	85	100
Pioneer 312A.....	112.6	21.0	86	92
Pioneer 309B.....	150.1	22.3	86	85
Average of all entries.....	133.9	19.3	85	91

## ABOVE-AVERAGE PERFORMANCE

The following hybrids ranked above average in three-year summaries in both yield and erect plants at their respective fields, and were not unusually high in grain moisture for the area. They are ranked in order of moisture content, the hybrid with the lowest grain moisture at harvest ranked first. (Ranking at Carbondale is based on two-year averages.)

### DeKalb (regular)

DeKalb 441  
DeKalb 633  
Wyffels W-600

### DeKalb (high rate)

DeKalb 444  
Pioneer 328B

### Galesburg

DeKalb 640  
P.A.G. SX29  
Bear Unicorn X600  
Pioneer 314  
Moews 560  
Bear OK878  
Ainsworth X-97  
Pioneer 3304

### Augusta

Whisnand 814  
Moews 524  
Pioneer 321  
Prairie Gold D-896  
Pioneer 3304

### Greenfield (regular)

Ainsworth X-100

### Greenfield (high rate)

DeKalb 805

### Brownstown

Bear Unicorn X600  
Stull's 101Y

### Carbondale

Illinois 1851  
Pioneer 3304  
Pioneer 3212  
Illinois 9001  
Ainsworth SD-36  
Burgdorf B-99W  
Burgdorf B-846  
Pioneer 302B

### Dixon Springs

Whisnand 830  
Pioneer 321  
Schenk S-73  
Pioneer 312B  
Stull's 101Y  
Stull's 100Y  
Pioneer 312A  
Schenk S-87

### Woodstock

Cargill S412  
Hulting 237

### Ashkum

Hulting 482  
Van Horn V.H.109  
Ainsworth X-96  
Hulting 345  
Cargill 330  
Crib Filler 66  
Bear OK44  
Pioneer 321A

### Stanford

DeKalb 805  
Whisnand 814  
Illinois 3346  
P.A.G. SX29  
Null N-100  
Frey F57  
P.A.G. SX19  
Pioneer 321  
Bear OK44  
Stiegelmeier Hi-B-Jack S-396  
Moews 90A

### Urbana (regular)

Pioneer 321A  
DeKalb 805  
Moews 524A  
Bear OK878  
Schenk S-73  
P.A.G. 405  
P.A.G. SX29  
Pioneer 321  
Crib Filler 66  
Bear OK44  
P.A.G. SX19  
Crib Filler 116

### Urbana (high rate)

P.A.G. SX29  
Whisnand 852

