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LLINOIS HYBRID CORN



TESTS 1944

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ILLINOIS HYBRID CORN TESTS 1944

By G. H. DUNGAN, J. H. BIGGER, A. L. LANG, BENTAMIN KOEHLER, and OREN BOLIN¹

INETY-SIX PERCENT of the corn acreage in Illinois in 1944 was planted with hybrid seed. The average yield for the state was estimated to be 45 bushels an acre despite the fact that yields in some areas were seriously cut by too little rainfall.2 Such a state average under the growing conditions of 1944 is evidence of the adaptability and drouth-resistance of hybrid corn.

PLAN OF THE TESTS

Number of hybrids and their source. Two hundred thirty-seven hybrids were grown on seven Illinois test fields in 1944. Thirty-four companies and individuals, including the Kansas as well as the Illinois Agricultural Experiment Station, furnished the seed for the tests.

Seventy-two hybrids were tested at the Mt. Morris, Galesburg, and Milford fields; 60 at Sullivan and Alhambra; 60 on the bottomland field at the Dixon Springs Experiment Station, and 14 on the upland field.

Most of the seed for planting the test fields was taken directly from the warehouses of the producers entering the corn. In a few instances producers delivered small quantities to the Experiment Station. Seed of Illinois and United States hybrids in commercial production was obtained from the Illinois Crop Improvement Association. Seed of Kansas hybrids and Illinois hybrids not in commercial production was supplied by the respective Experiment Stations.

Most of the hybrids selected for testing are extensively grown. Some experimental hybrids were included because they had shown promise for commercial production in preliminary tests. A few hybrids were put in the tests mainly to meet the field-performance requirement for certification.

¹G. H. Dungan, Chief in Crop Production, A. L. Lang, Associate Chief in Soil Experiment Fields, Benjamin Koehler, Chief in Crop Pathology, Oren Bolin, Assistant Chief in Plant Genetics, Illinois Agricultural Experiment Station; J. H. Bigger, Associate Entomologist, Illinois State Natural History Survey.
²Estimates for the acreage of hybrid corn and the average yield for the state were furnished by the Illinois Cooperative Crop Reporting Service, Illinois State Department of Agriculture cooperating with the U. S. Department of Agriculture.

Table 1.—GENERAL INFORMATION: Illinois Cooperative Hybrid Corn Tests, 1944

Field	County and loca-	Num- ber of	Date	Date		rage yield	Average mois- ture in	Average erect
rieid	tion in state e	ntrie	planted s	harvested	Total	Sound	grain	plants
Mt. Morris	Ogle (N)	72	May 29, 30	Nov. 9, 10	bu. 89.1	bu. 88.8	perct. 23.1	perct. 97.8
Galesburg	Knox (WNC)	72	May 20	Nov. 8	91.2	88.9	18.1	99.3
Milford	Iroquois (ENC)	72	June 5	Nov. 14	88.0	87.2	21.2	90.7
Sullivan	Moultrie (SC)	60	May 18	Oct. 24	91.6	90.7	16.5	76.8
Alhambra	Madison (S)	60	May 16	Oct. 10, 11	32.9	32.6	13.9	69.8
Robbs (Dixon Sp.)	Pope (Ex. S) Bottomland Upland		June 1 June 1	Nov. 2 Nov. 1	48.5 22.0	47.4 21.0	20.4 18.3	100.0 99.6

COOPERATORS: EARL KUMP, Ogle county; EARL and WEBSTER GEHRING. Knox county; Crow's Hybrid Corn Company, Iroquois county; R. B. Vandeveer, Farm Manager, Illinois Masonic Home Farm, Moultrie county. The Alhambra field in Madison county is conducted by the Illinois Station. The Pope county field at Robbs is part of the Dixon Springs Experiment Station.

Soil characteristics of fields. The test fields were medium to high in productivity, and each represents a soil type common to the region where it is located. Care was taken to have each field as uniform as possible in soil type, productivity, and drainage. The field on the bottomland at the Dixon Springs Experiment Station at Robbs was the most variable in productivity, and the Alhambra field contained a number of "slick spots."

Tests were conducted on the same farms as in 1943, but in different fields on these farms. The approximate location of the test fields is shown on the map on the front cover. General information on soil characteristics and soil management is given in Table 2.

Method of planting. All test plots were planted by hand on land prepared in the regular way for corn. Each plot consisted of 2 rows 10 hills long, except on the bottomland field at Dixon Springs, where the plots were all 2 rows wide and 8 hills long. Three kernels were dropped in each hill except on both fields at Dixon Springs where only 2 kernels were planted. Six plots of each entry arranged in controlled random order were planted on all fields, and data from all plots were included in the results. The only correction for imperfect stand was an adjustment for missing hills.

WEATHER CONDITIONS

Wet weather delayed corn planting beyond the usual date in most sections of the state and especially in the extreme southern and eastern areas. Good stands were obtained on all the test fields.

Deficiency of moisture during July and August was a severe handi-

Table 2.—TESTING FIELDS: Soil Characteristics and Management Practices

Soil type	Lime require- ment	Available phosphorus	Available potassium	Previous crops and soil management
		Northern: I	Mt. Morris	
Tama silt loam	tons 3	Low	Low	Small grain 1942; clover hay and pas- ture 1943; moderate application of manure for corn.
	We	st north-centi	al: Galesbu	ırg
Muscatine silt loam	3	Medium	Medium	Corn 1936, 1937; oats 1938; clover 1939; corn 1940, 1941; oats-rape hog pasture 1942; clover 1943. Rock phosphate applied 1924; lime- stone applied 1941; manure applied ahead of first-year corn.
	E	ast north-cen	tral: Milfore	d
Milford clay loam	0	High	Medium	Alfalfa meadow 1942, 1943; rock phosphate applied for alfalfa.
		South-centra	l: Sullivan	
Flanagan silt loam	2	High	Medium	Oats 1940; alfalfa 1940-1943 (fall-plowed); corn 1944.
		Southern:	Alhambra	
Putnam silt loam	None	High	Low	Oats (sweet clover) 1941; soybeans 1942; wheat (sweet clover 1943).
	Extreme	southern: Ro	bbs (Dixon	Springs)
Upland field: Ava silt loam.		Low	I.ow	Soybeans 1941; winter grain 1942; sweet and red clover 1943. Limestone and phosphate applied 1940.
Bottomland field: Bonnie silt loam		Low	Low	Corn harvested for silage 1943, winter rye pasture plowed down for corn, no soil treatment.

R. S. SMITH, Chief in Soil Physics and Soil Survey, has approved the soil type designation, uniformity, and physical characteristics of the above fields.

cap to the crop in all sections of the state except the northern. It was most critical in the southern areas. The low average yields at Alhambra and on the Dixon Springs field at Robbs, as shown in Table 1, reflect the effect of the moisture shortage. Corn on the upland field at the Dixon Springs Experiment Station was almost a failure.

INSECT PESTS

Chinch bugs. The insect that caused the greatest damage to corn in Illinois in 1944—about 5 million dollars' worth—was the chinch bug, Blissus leucopterus (Say).

In the test field at Alhambra the damage was somewhat obscured by drouth damage. In late summer, however, it was possible to get some measure of the destruction caused by this insect and correlate it later with the test weights of the grain. The hybrids with the highest test weights (*Table 15*, page 473) had been least hurt by chinch bugs. Some idea of the relative ability of the different hybrids to withstand chinch bug attack may be obtained by studying these test weights.

Southern corn rootworm. A great deal of lodging in cornfields in the northern half of the state was caused by the southern corn rootworm, Diabrotica duodecimpunctata (F.), in 1944; but Sullivan, in Moultrie county, was the only test field attacked. Altho the lodging on this field was not as severe as it was in many farmers' fields, it was heavy enough so that satisfactory records of damage could be taken at harvest time. As shown in Table 13, page 471, 4.3 to 45.7 percent of the plants lodged 30 degrees or more. Comparatively few hybrids, however, developed the more severe lodging.¹

European corn borer. A moderate increase in the abundance of the European corn borer, *Pyrausta nubilalis* (Hbn.), took place in 1944. The increase was most marked in the northern part of the state north of a line drawn from about the middle of Vermilion county to Mercer county. This line is of course only approximate but it is as accurate as can be estimated at this time.

Appreciable amounts of breakage due to borer attack were found in the test fields at Milford in Iroquois county and at Mt. Morris in Ogle county (*Table 6, page 464*). Records were made of all plants broken over below the ear at harvest time when the break was at the point of visible borer attack.

None of the hybrids in these tests showed outstanding resistance to the corn borer. At Milford 4.7 to 19.3 percent of the plants were broken below the ear. The average for the field was 10.2 percent. Since a difference of 5.5 between percentages is necessary for the difference to mean anything, one has to go to the 41st entry, for example, before finding one that is significantly less good in this respect than the first.

Borer breakage at the Mt. Morris field was considerably less than at Milford, ranging from 1.3 to 9.5 percent and averaging 4.6 percent. On this field a difference of 4.1 between percentages is necessary for significance. This means that one has to go down to the 48th entry in Table 6 before finding one that can be said to be less good in this respect than the first entry.

With heavier infestations, which may develop, differences between hybrids may become more apparent.

Corn earworm. Injury from the corn earworm, Heliothis armigera (Hbn.), occurred at Dixon Springs, in Pope county, on both

^{&#}x27;The method of taking records and computing the resistance ratings are standard and are described in Bulletin 500 of this Station, which reports the 1943 hybrid corn tests.

the upland and the bottomland fields. Every ear except those on the long-husked hybrids was fed upon by earworms, and Fusarium rot was prominent on the injured kernels. Practically all the rot damage to the corn on the Dixon Springs test fields was caused by fungi that entered the kernels thru wounds inflicted by earworms.

Grasshoppers. Damage by grasshoppers (*Locustidae*) was moderate at Alhambra. It was not heavy enough to bring out differences between the hybrids.

DISEASE DAMAGE¹

No very serious damage to corn from disease occurred in any large area of Illinois in 1944. Moderate losses from various diseases nevertheless added up to a sizable damage in total.

Seedling diseases. Benefits obtained from seed treatments are believed to be due entirely to the effectiveness of such treatments in reducing damage from seedling diseases. Damage from the numerous organisms that cause these diseases is greatest when the seed germinates in cold, wet soil, especially in cold soil.

In tests on the University south farm at Urbana in 1944, significant increases in yield were obtained by treating the seed. The seed was

¹Estimates of losses are based, for the most part, on comparison of separate observations made by G. H. Boewe, Illinois State Natural History Survey; J. S. Tidd, Federal Emergency Plant Disease Survey, and Benjamin Koehler, Department of Agronomy, University of Illinois.

Table 3.—RESPONSE TO SEED TREATMENT: Arasan Applied at Rate of One Ounce per Bushel of Seed, Urbana, 1944

Rank ba			Total ac	re-yield			T74
on yiel from trea seed		in yield from treatment	Treated	Un- treated	corn in shelled sample	ture in grain at harvest	Erect plants
		bu.	bu.	bu.	perct.	perci.	perct.
1	Illinois Hybrid 2059(W)	. 1.8	105.3	103.5	3.37	18.5	87
2	Illinois Hybrid 201	. 4.1	103.6	99.5	5.07	17.2	91
3	Illinois Hybrid 273-1	. 4.0	102.3	98.3	4.35	17.1	93
4	U. S. Hybrid 13	. 1.3	100.3	99.0	6.56	17.7	93
5	Illinois Hybrid 1173	. 3.7	99.8	96.1	6.07	17.7	96
6	Illinois Hybrid 972-A1	4.0	99.5	95.5	5.32	17.4	88
7	Illinois Hybrid 21	1.7	99.2	97.5	5.14	17.0	95
8	Illinois Hybrid 206	. 3.6	98.8	95.2	6.51	17.7	91
9	Illinois Hybrid 246	1.5	98.3	96.8	5.42	17.9	79
10	Illinois Hybrid 804	4.3	98.0	93.7	6.19	18.3	86
11	Illinois Hybrid 1182-1	. 3.6	96.2	92.6	5.35	17.6	96
12	U. S. Hybrid 35	4.7	96.2	91.5	3.72	17.2	91
13	Illinois Hybrid 200	. 3.7	96.0	92.3	4.81	18.3	93
14	Illinois Hybrid 960	. 1.5	95.8	94.3	3.39	17.4	89
15	Illinois Hybrid 784	. 3.7	91.7	88.0	7.72	19.0	80
16	Illinois Hybrid 448	. 2.7	90.5	87.8	6.30	19.5	89
17	Illinois Hybrid 751	. 2.8	88.1	85.3	4.72	16.9	90
18	Illinois Hybrid 101	4.4	84.6	80.2	4.11	16.7	79
	Difference needed for significance.	1.6	4.9	4.9	1.68		

^{*}For pedigrees see Table 4. There were eight replicated plots of each hybrid.

planted on May 13, which is within the generally recommended planting time, and Arasan was used at the rate of 1 ounce per bushel of seed.

In this test (Table 3) increases ranged from 1.3 to 4.7 bushels following seed treatment, and all but three of the increases were significant. The average increase was 3.2 bushels an acre.

Different hybrids responded somewhat differently to seed treatment. In previous tests, however, seed of the same hybrid from different sources also responded differently. This is to be expected since the conditions under which seed is produced influences the extent of seed infection, seed-coat injuries, and the physical and chemical nature of the seed.

Root rots. Loss from root rot on field corn in Illinois was estimated as 2 percent in 1944. This was somewhat less than in 1943.

Diplodia stalk rot. Premature dying of scattered plants occurred in many fields in south-central Illinois by September 1, and in many areas farther north at a little later date. Examination of fields in 36 representative counties in October showed about 45 percent of the plants infected with Diplodia stalk rot. Loss in yield was estimated at 3.5 percent.

Stewart's disease. This disease was moderately prevalent in the leaves of dent corn thruout most of south-central Illinois, but for the most part damage was light.

Helminthosporium leaf blight. This disease was practically absent in 1944, tho it had attracted considerable attention in 1942. Dry conditions during the summer appear to keep it in check.

Smut. Loss from smut was less than normal—about .7 percent.

Ear rots. All types of ear rot together damaged about 5.1 percent of the kernels in the 1944 corn crop. Diplodia damaged about 3 percent, twice as much as in 1943. Damage from Fusarium moniliforme was about 1.3 percent, the same as in 1943. Other types averaged about .8 percent.

In a test at Urbana (Table 4) various hybrids showed highly significant differences in rot damage. Differences in physiological or chemical nature of the kernels, in husk coverage, and in angle at which the ear is borne—whether it points upward or is declined downward—are known to cause differences in a hybrid's reaction to ear-rot infection. Illinois 2059(W), which in Table 4 ranks first in freedom from rot damage, also ranked first in good husk coverage, and 60 percent of the ears were declined downward on October 5. This hybrid also ranked first in yield (Table 3).

Hybrids may rank differently in different seasons in their susceptibility to ear rot because the different kinds of rots vary in importance from year to year, and also because hybrids respond differently to different seasonal conditions. In this test, for example, Illinois 784 ranked significantly below Illinois 201, whereas in some previous tests it ranked higher.

Table 4.—DAMAGE FROM KERNEL ROT: Figures Are Based on Examination of Shelled Corn, Urbana, 1944

Rank	Entry*	Pedigree of entry	Rot damage
			perct.
1	Illinois Hybrid 2059(W)	$(K_{v}27 \times CI. 61) (33-16 \times K6)$	3.37
2	Illinois Hybrid 960	(R4 × Hy) (701 × L317)	3.39
3	U. S. Hybrid 35	$(WF9 \times 38-11) (R4 \times Hy) \dots$	3.72
4	Illinois Hybrid 101	(WF9 × M14) (CC7 × 187-2)	4.11
5	Illinois Hybrid 273-1	$(WF9 \times 38-11)(187-2 \times O7)$	4.35
6	Illinois Hybrid 751	$(A \times 90)$ (WF9 \times Hy)	4.72
7	Illinois Hybrid 200	$(WF9 \times 38-11) (K4 \times L317) \dots$	4.81
8	Illinois Hybrid 201	$(WF9 \times 38-11) (187-2 \times L317) \dots$	5.07
9	Illinois Hybrid 21	$(WF9 \times 38-11) (Hy \times 187-2) \dots$	5.14
10	Illinois Hybrid 972-A1	$(WF9 \times O7) (Hy \times L317)$	5.32
11	Illinois Hybrid 1182-1	$(WF9 \times 38-11) (187-2 \times RR98) \dots$	5.35
12	Illinois Hybrid 246	$(WF9 \times Hy) (187-2 \times L317) \dots$	5.42
13	Illinois Hybrid 1173	$(WF9 \times Hy) (RR98 \times 187-2)$	6.07
14	Illinois Hybrid 804	$(5120 \times 38-11) (K4 \times L317)$	6.19
15	Illinois Hybrid 448	$(38-11 \times \text{Kys}) (\text{K4} \times \text{L317}) \dots \dots \dots$	6.30
16	Illinois Hybrid 206	$(WF9 \times 38-11) (5120 \times L317) \dots \dots$	6.51
17	U. S. Hybrid 13	$(Hy \times L317) (WF9 \times 38-11) \dots$	6.56
18	Illinois Hybrid 784	$(Hy \times 5120)$ $(K4 \times L317)$	7.72
		***************************************	1.68

^aThere were eight 40-hill plots of each hybrid. All the ears of each plot were shelled and a representative sample taken with a special sampling device.

This is the first time the relative susceptibility of some of these hybrids to rot damage has been accurately measured. It had been previously established, however, in a four-year test that Illinois 960 was significantly less susceptible to rot than Illinois 201, Illinois 784, and U.S. 13.

MEASURING PERFORMANCE

The entries in the 1944 test are listed in the tables in the order of their total yields. Two or more entries having the same total yield are given the same rating, but the one having the higher yield of sound corn is placed first. Those having the same total yield and sound yield are placed in order by percentage of erect plants.

Erect plants. The percentage of erect plants in each entry on each field was estimated at the time of harvest. The ratings for erect plants show how the percentage of erect plants for each hybrid compared with the percentage of erect plants on the field as a whole. (Each rating is obtained by dividing the percentage of erect plants for that hybrid by the percentage of erect plants on the field as a whole and multiplying by 100.)

Lodging may have been due to rootworm damage, weak or rotted roots, corn borer damage, or weak stalks. Stalks broken above the ear were not considered lodged.

Yield of grain. To determine shelling percentage, all the ears from one replicate of each entry were shelled. From this shelled corn one sample was taken to determine the percentage of moisture at harvest and another to determine the percentage of damaged kernels.¹ The percentage of damaged corn was determined according to the federal grain standards.

The total acre-yield was calculated as shelled corn containing 15.5 percent moisture, the upper limit allowable in No. 2 corn. The yield of sound corn was computed by deducting the amount of damaged corn from the total yield.

The rating of any hybrid for sound yield is the ratio, expressed as percentage, of the yield of sound corn from that hybrid to the average yield of sound corn from all the hybrids on the field.

Height of ear. Notes on comparative ear height were taken at harvest time. Each plot of each entry was placed in one of the five following categories: low, mid-low (midway between low and medium), medium, mid-high (midway between medium and high), and high. Beginning with low and continuing progressively to high, these terms were assigned numerical values from 1 to 5 to permit the averaging of the plots.

Significance of yield differences. Too much confidence must not be placed in the particular ranking of a hybrid in the following tables, for chance has played a part in determining its position. Unaccountable variability in the soil and conditions on the field will cause differences in yield that are not inherent in the hybrids themselves.

The part played by chance in the 1944 tests has been calculated for total yield by the mathematical procedure known as "analysis of variance." At the bottom of each table is stated the approximate difference there must be between any two entries in order for them to show a true inherent difference. Unless two hybrids differ by at least this amount, there is no assurance that one hybrid is inherently higher yielding than the other.

Readers are urged to note the difference necessary for significance, as shown for each test field, and to keep that difference constantly in mind in all comparisons of hybrids on that field.

^{&#}x27;For the Alhambra and Sullivan fields the moisture determinations were made with a Tag-Heppenstall moisture meter. Those for all the other fields were made with a Steinlite moisture tester.

TABLE 5.—NORTHERN ILLINOIS: Mt. Morris, 1944

	,		Acre	e-yield	Damage corn in	ture in	Erect -		g for—	Compara tive
Ran	nk	Entry	Total	Sound	– shelled	grain a t harvest	plants	Erect plants	Sound yield	height of ear
			bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Illinois Hybrid 2	69	99.3	99.3	0	22.5	100.0	102.2	111.8	Medium
2	Pfister Hybrid 48	897 Hybrid 49	98.1	98.1	0	20.4	97.7	99.9	110.5	Medium
3	Holmes Utility I	Hybrid 49	98.1	- 97.9	. 2	23.3	97.2	99.4	110.2	M-high
4	Pioneer Hybrid	340	97.6	97.4	. 2	22.3	97.3	99.5	109.7	Medium
5	Dekain Hybrid	458	97.3	$97.2 \\ 94.9$	2.1	22.5 22.5	$98.7 \\ 98.8$	100.9 101.0	109.5 106.9	Medium Medium
6	Nichole Hybrid	091A N-75	97.2	96.3	$\frac{2.4}{.7}$	23.2	98.3	100.5	108.4	M-low
Ŕ	Frey Hybrid 425	N-73	96.8	94.3	2.6	24.9	97.7	99.9	106.2	Medium
9	DeKalb Hybrid	615	95.2	95.0	.3	22.8	97.5	99.7	107.0	Medium
10	Holmes Utility I	Hybrid 96	94.6	94.2	. 4	21.4	96.8	99.0	106.1	Medium
11	Nichols Hybrid	N-75 615 41ybrid 96 5A 51 180 30 440 114 330	94.4	94.0	.4	23.2	98.2	100.4	105.9	Medium
12	Pioneer Hybrid	341	94.3	94.0	.3	23.2	98.8	101.0	105.9	Medium
13 14	Illinois Hybrid /	31	03.5	$93.4 \\ 93.3$.2	$\frac{22.9}{21.9}$	99.3 98.8	101.5 101.0	105.2	Medium Medium
15	Funk Hybrid C.	30	03.3	93.0	.4	23.6	98.3	100.5	$105.1 \\ 104.7$	Medium
15	Sieben Hybrid S	-440	93.4	92.9	.5	26.8	98.8	101.0	104.6	Medium
17	Funk Hybrid G-	114	92.6	92.3	. 3	23.7	98.0	100.2	103.9	Medium
18	Pioneer Hybrid 3	330	92.5	91.9	. 7	22.8	98.8	101.0	103.5	Medium
19	Producers' Hybr	id 1010	91.9	91.7	. 2	23.3	96.5	98.7	103.3	Medium
19	Hoosier Crost H	ybrid F-138	91.9	91.2	.8	22.2	94.0	96.1	102.7	Medium
21 22	Dekalb Hybrid	350	91.8	91.6 91.6	.2	$\frac{25.2}{24.4}$	96.8 96.0	99.0 98.2	$103.2 \\ 103.2$	Medium
22	Stiegelmoier Hybrid S	-330, , , , ,	01.6	91.4	. 2	23.5	99.2	101.4	103.2	M-high Medium
24	DeKalh Hybrid	-350	91.4	91.2	. 2	23.9	98.2	100.4	102.7	Medium
24	Nichols Hybrid I	N-400	91.4	91.0	. 4	22.2	96.7	98.9	102.5	Medium
24	Holmes Utility I	N-400	91.4	90.9	. 6	24.3	99.3	101.5	102.4	Medium
27	DeKalh Hybrid	422	91.3	91.3	0 .	22.2	97.2	99.4	102.8	Medium
27	Funk Hybrid G-	38	91.3	91.2	. 1	23.2	96.3	98.5	102.7	Medium
29	Farmerait Hybri	d 42	91.1	90.6	. 6	21.6	98.5	100.7	102.0	Medium
30 31	Pational Hybrid 2	114	90.9	90.1 90.5	.9 .3	$\frac{21.7}{23.3}$	99.2 96.0	$101.4 \\ 98.2$	101.5 101.9	Medium Medium
32	Blackhawk Hybr	56	00.0	90.3	.1	23.3	97.8	100.0	101.7	Medium
33	Producers' Hybr	id 98Aid 1020ybrid F.D.4	90.3	90.3	. 0	21.1	99.7	101.9	101.7	Medium
34	Hoosier Crost H	vbrid F.D.4	89.9	89.7	. 2	21.5	94.0	96.1	101.0	Medium
35	Funk Hybrid G-	42	89.8	89.2	. 7	20.6	97.8	100.0	100.5	Medium
36	Pioneer Hybrid 3	353	89.4	89.3	. 1	19.7	98.2	100.4	100.6	Medium
37	Moews Hybrid 1	5	89.1	89.0	. 1	22.0	96.8	99.0	100.2	Medium
37 39 .	Nichala Umbaid	202A	89.1	$88.5 \\ 88.8$.7	27.3	96.3 99.7	98.5 101.9	99.7 100.0	M-low
40	Crow Hybrid 43	202A	88 7	88.6	.1	$\frac{23.3}{24.2}$	98.0	100.2	99.8	Medium Medium
40	Wisconsin Hybri	d 645	88.7	88.5	. 2	22.6	98.3	100.5	99.7	Medium
40	Holmes Utility H	Tybrid 39	88.7	88.3	.4	27.7	99.2	101.4	99.4	M-high
43	Pfister Hybrid 2	2	88.6	88.4	. 2	23.5	98.3	100.5	99.5	Medium
44	Pfister Hybrid 20	50	87.9	87.9	o	24.3	99.8	102.0	99.0	Medium
44	Lowe Hybrid 14	50	87.9	87.2	.8	23.2	96.8	99.0	98.2	Medium
46 46	Prey Hybrid 410		87.0	87.6 87.5	. 1	$\frac{21.9}{22.0}$	$98.5 \\ 98.3$	$100.7 \\ 100.5$	98.6 98.5	Medium
48	DeKalh Hybrid	410	87.5	87.3	. 2	23.1	98.0	100.3	98.3	Medium M-low
49	Funk Hybrid G-	12	87.3	87.1	. 2	21.8	96.3	98.5	98.1	Medium
	Pioneer Hybrid 3	322	87.3	85.3	2.3	21.7	98.8	101.0	96.1	Medium
51	Morgan Hybrid	M-105	87.0	86.9	. 1	20.8	97.2	99.4	97.9	Medium
52	Funk Hybrid G-	16 orid 379 AF11	86.7	.86.6	. 1	23.2	96.3	98.5	97.5	Medium
52 54	Stiegelmeier Hyl	orid 379	86.7 85.8	86.5 85.2	. 2	24.1	98.8	101.0	97.4	Medium
54 55	Blackhawk Hybrid	rid 111	85.6	85.4	. 7 . 2	$\frac{21.8}{22.1}$	$94.0 \\ 98.0$	96.1 100.2	95.9 96.2	Medium Medium
56	Ferris Hybrid E.	.11	85.5	85.5	. 0	22.8	97.7	99.9	96.3	Medium
57	Nichols Hybrid	Victory	85.4	85.4	ŏ	24.3	98.0	100.2	96.2	Medium
58	Doubet Hybrid	D-25	85.3	85.1	. 2	25.1	98.2	130.4	95.8	Medium
59	Illinois Hybrid 1	01	84.9	84.7	. 2	22.9	98.5	100.7	95.4	Medium
60	Producers' Hybr	id 909	84.7	84.1	. 7	26.0	98.8	101.0	94.7	M-high
61	Producers' Hybr	rid 111 11 11 Victory D-25 01 id 909 id 1000 D-1 80 450	84.2	83.9	. 4	24.8	96.8	99.0	94.5	Medium
62 63	Printer Hybrid 2	ט-1	83 0	83.9 83.8	. 2 . 1	$\frac{24.2}{23.9}$	96.3 99.3	98.5 101.5	$94.5 \\ 94.4$	Medium
64	Siehen Hybrid S	450	83.7	83.6	. 1	23.9	97.0	99.2	94.4	Medium Medium
65	Crow Hybrid 360	Õ	82.8	82.6	. 2	23.6	97.2	99.3	93.0	Medium
66	Moews Hybrid 1	4	81.6	81.4	.2	25.8	98.8	101.0	91.7	Medium
67	Crow Hybrid 51	4(W)	81.1	80.9	. 2	21.3	98.5	100.7	91.1	M-high
68	DeKalb Hybrid	4(W)	80.7	80.5	. 2	24.3	95.5	97.6	90.7	Medium
69	Hoosier Crost H	ybrid 405	79.0	78.9	.1	24.9	98.5	100.7	88.9	M-low
70 71	Lowe Hybrid 15	id 1015	78.4	78.4	0	22.2	96.3	98.5	88.3	Medium
/1	Froducers Hybr	ed 1015	72 3	$\frac{74.8}{71.9}$.8 .5	20.9 20.3	$\frac{98.3}{97.8}$	$100.5 \\ 100.0$	84.2 81.0	Medium Medium
72						40.0	71.0	100.0	01.0	vietili III

A difference of less than 6.3 bushels between total yields of any two entries in this table is not significant.

Table 6.—CORN BORER DAMAGE: Mt. Morris and Milford, 1944

464

	Rank		Plants broken below ears	Rani	k	Entry	Plants broken below ear*
			t. Morris, 1				
				1			
.8	1	Producers' Usebrid 1015	perct. 1.3	37	Producers'	Umbrid 1020	perct.
	2	Producers' Hybrid 1015 Nichols Hybrid N-75	1.5	37	Stiegelmeie	Hybrid 1020 r Hybrid 379	4.6
ုံ	3	Pfister Hybrid 280	1.6	39	Crow Hybi	rid 514 (W) ility Hybrid 39 rid G-38	4.7
3	4	Blackhawk Hybrid 98A		39	Holmes Ut	ility Hybrid 39	4.7
60	4 6	Doubet Hybrid D-25	1.8 1.9	41	Funk Hybi	rid G-38	4.8 4.8
44	7	Illinois Hybrid 269	2.1	41	Stiegelmeie	orid S450 r Hybrid 360	4.8
90	8	Illinois Hybrid 751	2.2	44	Funk Hybi	id G-16	4 0
Ğ	8	Nichols Hybrid 5A	2.2	44	Morgan Hy	ybrid M105	4.9
፰	8 11	Doubet Hybrid D-25 DeKalb Hybrid 450 Illinois Hybrid 269 Illinois Hybrid 751 Nichols Hybrid 330. Crow Hybrid 332. Illinois Hybrid 1180 Wisconsin Hybrid 645 Nichols Victory Hybrid Holmes Utility Hybrid 29 Producers' Hybrid 909	$\begin{array}{ccc} \cdot \cdot & 2 \cdot 2 \\ \cdot \cdot & 2 \cdot 7 \end{array}$	46	Sieben Hyl	ybrid M105 orid S440 rid G-12 rid 14	5.0
ဗ	12	Illinois Hybrid 1180	2.8	48	Lowe Hybi	rid 14	5.6
. :	13	Wisconsin Hybrid 645	2.9	49	Holmes Ut	ility Hybrid 49	5.7
ďξ	13	Nichols Victory Hybrid	2.9	49	Pioneer Hy	brid 322	5.7
п g	13 16	Producers' Hybrid 900	2.9 3.0	51 52	Doubet Hy	id 425	5.8 5.9
ğ	16	Pfister Hybrid 4807	3.0	53	Ferris Hyb	rid F-11	6.0
7.5	18	Pioneer Hybrid 353A Pioneer Hybrid 353	3.3	54	Funk Hybi	rid D-1rid F-11id G-42ybrid AF11	6.1
2.50	18	Pioneer Hybrid 353	3.3	54	Iowealth H	lybrid AF11	6.1
8 8	20 20	Nichols Hybrid 202A	3.6 3.6	56	DeKalb H	rid G-29	6.2
s than 4.1 in pe not significant	20	Moews Hybrid 14	3.6	58	Sieben Hyl	orid S-350	6.4
n S	23	Moews Hybrid 15	3.7	59	Holmes Út	ility Hybrid 96 id 15	6.5
S	23 25	Pioneer Hybrid 341 National Hybrid 114	3.7 3.8	59	Lowe Hybr	id 15	6.5
<u> </u>	26	Hoosier Crost Hybrid FD4	3.0	62	DeKalb Hy	brid N-400 brid 458	6.7
o	27	Hoosier Crost Hybrid FD4 Pfister Hybrid 260	4.0	63	DeKaib Hy	ybria 410	0.8
e e	28	Funk Hybrid G-114	4.1	63	Pioneer Hy	brid 340	6.8
ဥ	28 30	DeKalb Hybrid 609	4.1 4.2	65	DeKalb Hy	ybrid 615	6.9
difference of less than 4.1 in percentage figures not significant.	30	Funk Hybrid G-30. Pfister Hybrid 274. Frey Hybrid 410. Illinois Hybrid 101. Illinois Hybrid 101A.	4.2	65	Pfister Hvl	rid 360 orid 366	6.9
្ទ	30	Frey Hybrid 410	4.2	68	Producers'	Hybrid 1010 ost Hybrid 112A ost Hybrid F-138	7.1
##	33	Illinois Hybrid 101	. 4.3	68	Hoosier Cr	ost Hybrid 112A.	7.1
T	34 34	Farmeraft Hybrid 42	4.4 4.4	70 71	Producers'	ost Hydria F-138 Hybrid 1000	8 8.0 8.8
V	36	Farmcraft Hybrid 42 Blackhawk Hybrid 111	4.5	72	DeKalb Hy	Hybrid 1000 brid 404A	9.5
•		•			Averag	ge of all entries	4.6
ဥ		Mi	lford, Nortl	1-Cent	ral Illinois		
ä	1	Pfister Hybrid 1897	4.7	29	Lowe Hybr	id 560	8.9
Ħ	2	Producers' Hybrid 1040 Crow Hybrid 608	5.2	29	Holmes Ut	ility Hybrid 29	8.9
ö	3 4	Pfister Hybrid 280	5.4 5.5	31	Stiegelmeie	r Hybrid 360	9.0
ĭ	5	Morton Hybrid M-380	5.7	33	Crow Hybi	id G-37id 633	9.3
ğ ±i	6	Morton Hybrid M-380 Crow Hybrid 607	6.3	34	Hoosier Cr	ost Hvbrid F-168	9.4
- E	6	Stiegelmeier Hybrid 379	6.3	35	Pioneer Hy	brid 300	9.7
·= ,ÿ	6 9	Miller Hybrid 1050(W)	6.3 6.8	36	Pioneer Hy	Drid 330 zbrid 800A	9.8
Z:#	9	Moews Hybrid 550. Pfister Hybrid 260. Seeber Hybrid 11A	6.8	37	Doubet Hy	brid 336 ybrid 800A brid D-47	9.9
. <u>2</u>	11	Seeber Hybrid 11A	6.9	37	Holmes Ut	ility Hybrid 96	9.9
Si	12 13	Funk Hybrid G-71 Illinois Hybrid 1091A	7.0 7.4	40 41	Crow Hybi	id 607(W)	10.0
بر <u>ب</u>	13	Stiegelmeier Hybrid 380	7.4	42	Illinois Hyl	hrid 21	10.4
. S	15	Pfister Hybrid 5897	7.5	43	Frey Hybri	id 644	10.5
SS	16	Pfister Hybrid 4817	7.7	43	DeKalh Hs	zhrid 628A	10.5
<u>~</u>	17 17	Pfister Hybrid 4817Illinois Hybrid 972-1Pfister Hybrid 360	8.0 8.0	45	Pioneer Hy	brid 332	10.6
es S	17	Hoosier Crost Hybrid F-166 DeKalb Hybrid 840	8.0	46	Holmes III	id 645ility Hybrid 39	10.7
Ä	20	DeKalb Hybrid 840	8.1	48	DeKalb H	ybrid 817A	11.0
၌ အ	21 22			49	U. S. Hybr	id 35	11.1
E 4	22	Frey Hybrid 692	8.4	50	Hoosier Cr	ost Hybrid 840	11.4
i.	24	DeKalb Hybrid 847	8.5	51	Funk Hybr	id G-94	11.5
Ħ	25 25	Pfister Hybrid 380	8.6	52 53	Producers'	ost Hybrid F-169 Hybrid 1030	11.0
difference of less than 5.5 in percentage figures is not significant.	25 27	Doubet Hybrid D-42	8.6 8.7	53		Hybrid 89	
4	27	Frontee Hybrid 304 Ferris Hybrid 692 DeKalb Hybrid 847 Pfister Hybrid 380. Kelley Hybrid K-99 Doubet Hybrid V-92 Producers' Hybrid 909	8.7	55	Lowe Hybr	id 520	11.8
7		al-aludes sub- Abasa alauta be	alaa balaa	·	4:-4 -6	damana baraba	Landa (Danasada

*Includes only those plants broken below the ear at point of damage by the borer (Pryausta nubilalis (Hbn.)).

(Table is concluded on next page)

Table 6.—Corn Borer Damage—concluded

Rank	c Entry	Plants broken below ears	Rank	Entry	Plants broken below eara
		Milford-	-concl	ıded	
		perct.			perct.
56	Farmcraft Hybrid 47	12.3	65	DeKalb Hybrid 816	14.5
57	Hoosier Crost Hybrid 668	12.4	65	U. S. Hybrid 13	14.5
57	Null Hybrid N-54	12.4	67	Iowealth Hybrid 25	14.8
59	Kelley Hybrld K-374	12.5	68	Funk Hybrid G-86	15.8
60	DeKalb Hybrid 720(W)	12.8	69	Funk Hybrid G-169	
61	Illinois Hybrid 201	13.1	69	Sibley Hybrid 753B-1	17.8
62	National Hybrid 125	13.4	71	Miller Hybrid 201	19.2
63	Funk Hybrid G-53	13.5	72	Producers' Hybrid 777	19.3
64	Pioneer Hybrid 313D	13.6		Average of all entries.	

(See opposite page for statement of significance.)

Table 7.—NORTHERN ILLINOIS: Mt. Morris Summary, 1943 and 1944

Total Sound Sample Narvest Plants yield	- Compara-	g for—		Front		Damageo	riold	Aore	
bu. bu. percl. percl. percl. percl. percl. percl.	d height		Erect		grain at	– shelled			nk Entry
1 Nichols Hybrid 5A. 94.3 93.8 5 24.3 97.7 100.5 110.5 2 Funk Hybrid G-30. 92.4 91.2 1.3 26.1 98.2 101.0 107.8 4 DeKalb Hybrid 4897. 91.6 91.5 1 22.4 97.3 100.1 107.8 4 DeKalb Hybrid 4897. 91.6 91.5 1 22.4 97.3 100.1 107.8 5 Pfister Hybrid 366. 90.0 89.8 3 24.1 94.2 96.9 105.8 6 Illinois Hybrid 751. 89.5 89.2 2 24.9 99.0 101.9 105.1 7 DeKalb Hybrid 615. 88.9 88.5 6 23.4 96.3 99.1 104.2 8 Funk Hybrid 6-114. 88.7 88.4 4 25.9 96.3 99.1 104.2 9 Farmcraft Hybrid 42 87.9 86.9 1.2 25.7 97.5 100.3 102.4 10 Pioneer Hybrid 341. 87.6 87.3 4 24.0 98.2 101.0 102.8 11 Pfister Hybrid 260. 87.3 86.9 1.2 25.7 97.5 100.3 102.4 12 Producers' Hybrid 1010. 87.3 86.9 5 25.0 96.4 99.2 101.0 102.8 13 Hoosier Crost Hybrid F-138 87.2 86.2 1.2 23.5 93.8 96.5 101.5 14 DeKalb Hybrid 422. 87.0 86.7 3 24.5 96.0 98.8 102.1 15 Pioneer Hybrid 330. 86.3 85.9 6 24.1 97.9 100.7 101.2 16 Pfister Hybrid 340. 86.0 85.7 4 23.8 97.7 100.5 100.9 17 Pioneer Hybrid 340. 86.0 85.7 4 23.8 97.7 100.5 100.9 18 Producers' Hybrid 1180. 85.3 85.1 2 23.0 97.8 100.6 100.2 19 Crow Hybrid 340. 85.0 85.7 4 23.8 97.7 100.5 100.9 19 Illinois Hybrid 1180. 85.3 85.1 2 23.0 97.8 100.6 100.2 21 Pioneer Hybrid 322. 85.2 84.0 1.4 22.3 98.0 100.8 98.9 10 Crow Hybrid 340. 84.8 84.9 5 26.1 95.5 98.3 100.0 21 Pioneer Hybrid 329. 85.4 84.6 1.0 27.3 98.1 100.9 99.6 22 Illinois Hybrid 101. 85.1 84.9 3 23.7 96.3 99.1 100.0 23 DeKalb Hybrid 450. 84.8 84.7 2 23.3 98.5 101.3 99.8 24 Nichols Hybrid 260. 84.8 84.7 2 23.3 98.5 101.3 99.8 25 Nichols Hybrid 260. 83.8 83.4 5 26.5 97.7 100.5 98.2 26 Funk Hybrid 280. 83.8 83.4 5 26.5 97.7 100.5 98.2 27 Pioneer Hybrid 353A. 82.9 82.8 2 22.1 97.3 100.1 97.5 28 DeKalb Hybrid 410. 83.2 82.8 2 22.1 97.3 100.1 97.5 29 Doubet Hybrid 433. 82.9 82.8 2 22.1 97.3 100.1 97.5 20 Doubet Hybrid 410. 83.2 82.8 2 22.1 97.3 100.1 97.5 20 Doubet Hybrid 410. 83.2 82.8 5 22.8 97.1 99.9 97.5 21 Pioneer Hybrid 353A. 82.9 82.8 2 22.1 97.3 100.1 97.5 22 Elimoter Hybrid 450. 84.8 84.7 2 22.2 96.6 99.4	d of ear	yield	plants		harvest	sample	Sound	Total	
2 Funk Hybrid G-30	1.	perct.	perct.	perct.	perct.	perct.	bu.	bu.	
2 Funk Hybrid G-30	5 Medium	110.5	100.5	97.7	24.3	. 5	93.8	94.3	Nichols Hybrid 5A
4 DeKalb Hybrid 458. 90.2 90.0 2 23.5 97.8 100.6 106.0 5 Pfister Hybrid 366. 90.0 89.8 3 24.1 94.2 96.9 105.8 6 Illinois Hybrid 751. 89.5 89.2 2 24.9 99.0 101.9 105.1 7 DeKalb Hybrid 615. 88.9 88.5 6 23.4 96.3 99.1 104.2 87.0 104.1 9 Farmcraft Hybrid 42. 87.9 86.9 1.2 25.7 97.5 100.3 102.4 10 Pioneer Hybrid 341. 87.6 87.3 4 24.0 98.2 101.0 102.8 11 Pfister Hybrid 260. 87.3 86.9 1.2 25.7 97.5 100.3 102.4 11 Producers' Hybrid 1010. 87.3 86.9 5 25.0 96.4 99.2 102.4 13 Hoosier Crost Hybrid F-138 87.2 86.2 1.2 23.5 93.8 96.5 101.5 14 DeKalb Hybrid 422. 87.0 86.7 3 24.5 96.0 98.8 102.1 15 Pioneer Hybrid 330. 86.3 85.9 6 24.1 97.9 100.7 101.2 16 Pfister Hybrid 274. 86.1 85.9 3 23.5 97.0 98.8 102.1 17 Pioneer Hybrid 340. 86.0 85.7 4 23.8 97.7 100.5 100.9 101 17 Pioneer Hybrid 340. 86.0 85.7 4 23.8 97.7 100.5 100.9 19 18 Prioneer Hybrid 360. 85.3 84.9 5 26.1 95.5 98.3 100.0 19 Crow Hybrid 360. 85.3 84.9 5 26.1 95.5 98.3 100.0 21 Pioneer Hybrid 322. 85.2 84.0 1.4 22.3 98.0 100.8 98.9 22 Illinois Hybrid 1010. 85.1 84.9 3 23.7 96.3 99.1 100.0 99.6 23 DeKalb Hybrid 202A. 84.8 84.7 2 23.3 98.5 101.3 99.6 24 Nichols Hybrid 202A. 84.8 84.7 2 23.3 98.5 101.3 99.8 25 Nichols Hybrid 280. 83.8 83.4 9 5 26.1 95.5 98.3 100.0 26 Funk Hybrid 280. 83.8 83.4 5 26.5 97.7 100.5 98.2 27 Pioneer Hybrid 380. 83.8 83.4 5 26.5 97.7 100.5 99.9 99.7 98.1 28 DeKalb Hybrid 404A. 83.5 83.2 3 24.6 95.8 98.6 98.0 29 Doubet Hybrid 410. 83.2 82.8 2 22.1 97.3 100.1 99.9 97.5 30 DeKalb Hybrid 410. 83.2 82.8 2 22.1 97.3 100.1 99.9 97.5 31 DeKalb Hybrid 410. 83.2 82.8 2 22.1 97.3 100.1 99.9 99.7 96.9 99.7 98.1 90.0 99.9 99.7 96.9 99.7 99.7 96.9 99.7 99.7	4 Medium	107.4	101.0	98.2	26.1	1.3		92.4	Funk Hybrid G-30
5 Pfister Hybrid 366. 90.0 89.8 3 24.1 94.2 96.9 105.8 6 Illinois Hybrid (515. 88.9 88.5 6 23.4 96.3 99.1 104.2 7 DeKalb Hybrid 615. 88.9 88.5 6 23.4 96.3 99.1 104.2 8 Funk Hybrid G-114. 88.7 88.4 4 25.9 96.3 99.1 104.1 10 Pioneer Hybrid 341. 87.6 87.3 4 24.0 98.2 101.0 102.8 11 Pfister Hybrid 260. 87.3 87.3 0 24.9 96.9 99.7 102.8 11 Producers' Hybrid 1010. 87.3 86.9 5 25.0 96.4 99.2 102.4 13 Hoosier Crost Hybrid 71.3 87.2 86.9 5 25.0 96.4 99.2 102.4 13 Hoosier Crost Hybrid 422. 87.0 86.7 3 24.5 96.0 98.8 102.1 15 Pioneer Hybrid 330. 86.3 85.9 6 24.1 97.9 100.7 101.2 16 Pfister Hybrid 274. 86.1 85.9 3 23.5 97.0 99.8 101.2 16 Pfister Hybrid 340. 86.0 85.7 4 23.8 97.7 100.5 100.9 19 Illinois Hybrid 1180. 85.3 85.1 2 23.0 97.8 100.0 99.6 19 Illinois Hybrid 1180. 85.3 85.1 2 23.0 97.8 100.0 10.9 99.6 19 Illinois Hybrid 322. 85.2 84.0 1.4 22.3 98.0 100.8 98.9 110.0 12 Pioneer Hybrid 302. 84.5 84.9 3 23.7 96.3 99.1 100.0 102.8 11 Pfister Hybrid 202A. 84.8 84.7 2 23.3 98.0 100.8 98.9 110.0 12 Pioneer Hybrid 202A. 84.8 84.7 2 23.3 98.0 100.8 98.9 122 Pioneer Hybrid 202A. 84.8 84.7 2 23.3 98.0 100.8 98.9 122 Pioneer Hybrid 202A. 84.8 84.7 2 23.3 98.5 101.3 99.8 127 Pfister Hybrid 202A. 84.8 84.7 2 23.3 98.0 100.8 99.6 101.3 Phybrid Hybrid C29. 83.9 83.3 7 27.7 96.9 99.7 99.7 98.1 100.0 99.6 101.0 Hybrid 202A. 84.8 84.7 2 23.3 98.5 101.3 99.8 127 Pfister Hybrid 202A. 84.8 84.7 2 23.3 98.5 101.3 99.8 127 Pfister Hybrid 202A. 84.8 84.7 2 23.3 98.5 101.3 99.8 127 Pfister Hybrid 202A. 84.8 84.7 2 23.3 98.0 100.8 99.6 128 Producers' Hybrid 101. 83.4 83.2 2 24.8 97.3 100.1 97.5 100.9 Phybrid 101. 83.4 83.2 2 24.8 97.3 100.1 97.5 100.9 Phybrid 432. 82.2 81.3 1.2 23.0 98.3 101.1 97.9 100.0 Phybrid 432. 82.2 81.3 1.2 23.0 98.3 101.1 97.9 100.0 Phybrid 432. 82.2 81.3 1.2 25.4 96.6 99.4 95.8 100.0 Phybrid 101. 83.4 83.5 83.2 3 24.6 95.8 96.0 99.7 96.9 10.0 Phybrid 102.0 83.2 83.1 2 23.0 98.3 101.1 97.9 100.0 Phybrid 102.0 83.2 83.1 2 23.0 98.3 101.1 97.9 100.0 Phybrid 102.0 83.2 83.2 83.1 2 23.0 98.3 101.1 97.9 100.0 Phybrid 102.0		107.8				. 1			
6 Illinois Hybrid 751						. 2			
7 DeKalb Hybrid 615 88.9 88.5 6 23.4 96.3 99.1 104.2 8 Funk Hybrid G-114 88.7 88.4 4 25.9 96.3 99.1 104.2 9 Farmcraft Hybrid 42 87.9 86.9 1.2 25.7 97.5 100.3 102.4 10 Pioneer Hybrid 341 87.6 87.3 4 24.0 98.2 101.0 102.8 11 Producers' Hybrid 1010 87.3 86.9 25.0 96.4 99.2 101.0 102.8 11 Producers' Hybrid 1010 87.3 86.9 525.0 96.4 99.2 102.4 13 Hoosier Crost Hybrid F-138. 87.2 86.2 1.2 23.5 93.8 96.5 101.5 101.5 Pioneer Hybrid 330 86.3 85.9 3 24.5 96.0 98.8 102.1 15 Pioneer Hybrid 340 86.1 85.9 3 23.5 97.0 99.8 101.2 16 Pfister Hybrid 274 86.1 85.9 3 23.5 97.0 99.8 101.2 17 Pioneer Hybrid 340 86.0 85.7 4 23.8 97.7 100.5 100.9 18 Producers' Hybrid 909 85.4 84.6 1.0 27.3 98.1 100.9 99.6 19 Illinois Hybrid 1180 85.3 85.1 2 23.0 97.8 100.6 100.2 19 Crow Hybrid 360 85.3 84.9 5 26.1 95.5 98.3 100.0 12 Pioneer Hybrid 322 85.2 84.0 1.4 22.3 98.0 100.8 98.9 22 Illinois Hybrid 101 85.1 84.9 23.3 98.0 100.8 98.9 22 Illinois Hybrid 450 84.9 84.6 5 25.2 97.8 100.6 99.6 19 Illinois Hybrid 101 85.1 84.9 23.3 98.5 101.3 99.8 101.2 19 Pioneer Hybrid 322 85.2 84.0 1.4 22.3 98.0 100.8 98.9 12.2 10 Pioneer Hybrid 320 84.8 84.7 2 23.3 98.5 101.3 99.8 100.0 12 Pioneer Hybrid 202A 84.8 84.7 2 23.3 98.5 101.3 99.8 100.0 12 Pioneer Hybrid 202A 84.8 84.7 2 23.3 98.5 101.3 99.8 100.0 12 Pioneer Hybrid 202A 84.8 84.7 2 23.3 98.5 101.3 99.8 100.0 12 Pioneer Hybrid 202A 84.8 84.7 2 23.3 98.6 101.4 99.4 10 Fister Hybrid 202A 84.8 84.7 2 23.3 98.6 101.4 99.4 10 Fister Hybrid 202A 84.8 84.7 2 23.3 98.0 100.8 98.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 10						.3			
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13 Hoosier Crost Hybrid F-138	8 Medium	102.8	99.7	96.9	24.9			87.3	Pfister Hybrid 260
14 DeKalb Hybrid 422. 87.0 86.7 3 24.5 96.0 98.8 102.1 15 Pioneer Hybrid 330. 86.3 85.9 6 24.1 97.9 100.7 101.2 16 Pfister Hybrid 274. 86.1 85.9 3 23.5 97.0 99.8 101.2 17 Pioneer Hybrid 340. 86.0 85.7 4 23.8 97.7 100.5 100.9 99.6 19 Illinois Hybrid 1180. 85.3 85.1 2 23.0 97.8 100.6 100.2 19 Crow Hybrid 360. 85.3 85.1 2 23.0 97.8 100.6 100.2 21 Pioneer Hybrid 322. 85.2 84.0 1.4 22.3 98.0 100.6 100.2 22 Illinois Hybrid 450. 84.9 84.6 5 25.2 97.8 100.6 99.8 24 Nichols Hybrid 202A. 84.8 84.7 2 23.3 99.5 101.3 99.8 25 Nichols Hybrid G-29. 83.9 83.3 7 27.7 96.9 99.7 98.1 26 Funk Hybrid 404A. 83		102.4							
15 Pioneer Hybrid 330 86.3 85.9 6 24.1 97.9 100.7 101.2 16 Pfister Hybrid 274 86.1 85.9 3 23.5 97.0 99.8 101.2 17 Pioneer Hybrid 340 86.0 85.7 4 23.8 97.7 100.5 100.9 18 Producers' Hybrid 909 85.4 84.6 1.0 27.3 98.1 100.9 99.6 101.2 19 111inois Hybrid 1180 85.3 84.9 5 26.1 95.5 98.3 100.0 19 Crow Hybrid 360 85.3 84.9 5 26.1 95.5 98.3 100.0 19 12 111inois Hybrid 101 85.1 84.9 3 23.7 96.3 99.1 100.0 10.2 111inois Hybrid 101 85.1 84.9 3 23.7 96.3 99.1 100.0 10.2 111inois Hybrid 450 84.9 84.6 5 25.2 97.8 100.6 99.6 10.2 111inois Hybrid 101 85.1 84.9 3 23.7 96.3 99.1 100.0 10.2 10.2 10.2 10.2 10.2 10.2 1									
16 Pfister Hybrid 274								87.0	DeKaid Hydrid 422
17 Pioneer Hybrid 340								86 1	Pfictor Hybrid 274
18 Producers' Hybrid 909 85.4 84.6 1.0 27.3 98.1 100.9 99.6 19 Illinois Hybrid 1180 85.3 85.1 2 23.0 97.8 100.6 100.2 19 Crow Hybrid 360 85.3 84.9 5 26.1 95.5 98.3 100.0 21 Pioneer Hybrid 322 85.2 84.0 1.4 22.3 98.0 100.8 98.9 22 Illinois Hybrid 101 85.1 84.9 3 23.7 96.3 99.1 100.0 23 DeKalb Hybrid 450 84.9 84.6 5 25.2 97.8 100.6 99.6 24 Nichols Hybrid 202A 84.8 84.7 2 23.3 98.5 101.3 99.8 25 Nichols Hybrid Victory 84.5 84.4 1 25.1 98.6 101.4 99.4 26 Funk Hybrid 280 83.8 83.4 5 26.5 97.7 100.5 98.2 28 DeKalb Hybrid 404A 83.5 83.2 3 24.6 95.8 98.6 98.0 29 Doubet Hybrid 1020 83.2 83.1								86.0	Pioneer Hybrid 340
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22 Illinois Hybrid 101. 85.1 84.9 3 23.7 96.3 99.1 100.0 99.6 23 DeKalb Hybrid 450. 84.9 84.6 5 25.2 97.8 100.6 99.6 24 Nichols Hybrid 202A. 84.8 84.7 2 23.3 98.5 101.3 99.8 25 Nichols Hybrid Victory. 84.5 84.4 1 25.1 98.6 101.4 99.4 26 Funk Hybrid 290. 83.9 83.3 7.77 77.7 96.9 99.7 98.1 27 Pfister Hybrid 280. 83.8 83.4 5 26.5 97.7 100.5 98.2 28 DeKalb Hybrid 404A. 83.5 83.2 2 24.8 97.3 100.1 98.0 29 Doubet Hybrid 1020. 83.2 83.1 2 23.0 98.3 101.1 97.9 30 Producers' Hybrid 410. 83.2 82.8 5 22.8 97.1 99.9 97.5 32 Pioneer Hybrid 353A. 82.9 82.8 5 22.8 97.1 99.9 97.5 33 Funk Hybrid 432. 82.2	0 M-high	100.0	98.3	95.5	26.1	.5	84.9	85.3	Crow Hybrid 360
23 DeKalb Hybrid 450 84.9 84.6 5 25.2 97.8 100.6 99.6 24 Nichols Hybrid 202A 84.8 84.7 2 23.3 98.5 101.3 99.8 25 Nichols Hybrid Victory. 84.5 84.4 1 25.1 98.6 101.4 99.4 26 Funk Hybrid G-29 83.9 83.3 7 27.7 96.9 99.7 98.1 27 Pfister Hybrid 280 83.8 83.4 5 26.5 97.7 100.5 98.2 28 DeKalb Hybrid 404A 83.5 83.2 3 24.6 95.8 98.6 98.0 29 Doubet Hybrid D-1 83.4 83.2 2 24.8 97.3 100.1 98.0 27 Producers' Hybrid 1020 83.2 83.1 2 23.0 98.3 101.1 97.9 30 Producers' Hybrid 410 83.2 82.8 2 22.1 97.3 100.1 97.5 23.3 Funk Hybrid 45.6 82.7 82.8 2 22.1 97.3 100.1 97.5 32 Pioneer Hybrid 353A 82.9 82.8 2 22.1 97.3 100.1 97.5 33 Funk Hybrid 6-16 82.7 82.3 5 24.4 96.9 99.7 96.9 34 Crow Hybrid 432 82.2 81.3 1.2 25.4 96.6 99.4 95.8 35 Moews Hybrid 14 82.1 81.8 4 26.4 98.7 101.8 96.3 36 Lowe Hybrid 14 82.1 81.8 4 26.4 98.7 101.8 96.3 36 Lowe Hybrid 15 81.8 81.7 2 22.2 96.6 99.4 96.2 38 Doubet Hybrid D-25. 81.6 80.1 19 27.7 98.5 101.3 94.3 99.9 Crow Hybrid 514(W) 78.1 77.6 7 22.5 96.2 99.0 91.4 96.0 90.9 90.9 14.4 96.0 90.9 90.9 90.9 90.9 90.9 90.9 90.9		98.9						85.2	Pioneer Hybrid 322
24 Nichols Hybrid 202A. 84.8 84.7 2 23.3 98.5 101.3 99.8 25 Nichols Hybrid Victory. 84.5 84.5 84.4 1 25.1 98.6 101.4 99.4 26 Funk Hybrid G-29. 83.9 83.3 7 27.7 96.9 99.7 98.1 27 Pfister Hybrid 280. 83.8 83.4 5 26.5 97.7 100.5 98.2 28 DeKalb Hybrid 404A. 83.5 83.2 3 24.6 95.8 98.6 98.0 29 Doubet Hybrid 1020. 83.4 83.2 2 24.8 97.3 100.1 98.0 30 Producers' Hybrid 1020. 83.2 82.8 5 22.8 97.1 99.9 97.5 32 Pioneer Hybrid 353A. 82.9 82.8 5 22.8 97.1 99.9 97.5 33 Funk Hybrid 432. 82.2 81.3 1.2 25.4 96.9 99.7 96.9 35 Moews Hybrid 144. 82.1 81.5 7 25.7 97.0 99.8 96.9 36 Lowe Hybrid 25 81.8								85.1	Illinois Hybrid 101
25 Nichols Hybrid G-20								84.9	Nichala Habrid 2024
26 Funk Hybrid G-29 83.9 83.3 7 27.7 96.9 99.7 98.1 27 Pfister Hybrid 280 83.8 83.4 5 26.5 97.7 100.5 98.2 28 DeKalb Hybrid 404A 83.5 83.2 3 24.6 95.8 98.6 98.0 29 Doubet Hybrid D-1 83.4 83.2 2 24.8 97.3 100.1 98.0 30 Producers' Hybrid 1020 83.2 83.1 2 23.0 98.3 101.1 97.9 32 Pioneer Hybrid 353A 82.9 82.8 5 22.8 97.1 99.9 97.5 33 Funk Hybrid G-16 82.7 82.3 5 24.4 96.9 99.7 96.9 34 Crow Hybrid 432 82.2 81.3 1.2 25.4 96.6 99.4 95.8 35 Moews Hybrid 14 82.1 81.8 4 26.4 98.7 101.8 96.3 37 Moews Hybrid 15 81.8 81.5 7 25.7 97.0 99.8 96.2 38 Doubet Hybrid 514(W) 78.1 77.6 7								84.5	Nichola Hybrid Victory
27 Pfister Hybrid 280. 83.8 83.4 5 26.5 97.7 100.5 98.2 28 DeKalb Hybrid 404A. 83.5 83.2 3 24.6 95.8 98.6 98.0 29 Doubet Hybrid D-1. 83.4 83.2 2 24.8 97.3 100.1 98.0 30 Producers' Hybrid 1020. 83.2 83.1 2 23.0 98.3 101.1 97.9 30 DeKalb Hybrid 353A. 82.9 82.8 5 22.8 97.1 99.9 97.5 32 Pioneer Hybrid 353A. 82.9 82.8 2 22.1 97.3 100.1 97.9 33 Funk Hybrid 432. 82.2 81.3 1.2 25.4 96.9 99.7 96.9 35 Moews Hybrid 14. 82.1 81.8 4 26.4 98.7 101.8 96.3 36 Lowe Hybrid 15. 81.8 81.5 7 25.7 97.0 99.8 96.2 37 Moews Hybrid 15. 81.8 81.7 2 22.2 96.6 99.4 96.2 38 Doubet Hybrid 514(W) 78.1 77.6 7 22.5 96.2 99.0 91.4 49 Grow Hybrid 516(W) 77.4 77.2 2 25.7 97.6								83.9	Funk Hybrid G-29
28 DeKalb Hybrid 404A 83.5 83.2 3 24.6 95.8 98.6 98.0 29 Doubet Hybrid D-1 83.4 83.2 2 24.8 97.3 100.1 98.0 30 Producers' Hybrid 1020 83.2 83.1 2 23.0 98.3 101.1 97.9 30 DeKalb Hybrid 410 83.2 82.8 5 22.8 97.1 99.9 97.5 32 Pioneer Hybrid 353A 82.9 82.8 2 22.1 97.3 100.1 97.5 31 Funk Hybrid 432 82.2 81.3 5 24.4 96.9 99.7 96.9 34 Crow Hybrid 432 82.2 81.3 1.2 25.4 96.6 99.4 95.8 35 Moews Hybrid 14 82.1 81.5 7 25.7 97.0 99.8 96.0 36 Lowe Hybrid 15 81.8 81.7 2 22.2 96.6 99.4 96.2 38 Doubet Hybrid 40-25 81.6 80.1 1.9 27.7 98.5 101.3 94.3 39 Crow Hybrid 514(W) 78.1 77.6 7 22.5 96.2 99.0 91.4 </td <td></td> <td>98.2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		98.2							
30 Producers' Hybrid 1020		98.0							
30 DeKalb Hybrid 410 83.2 82.8 .5 22.8 97.1 99.9 97.5 32 Pioneer Hybrid 353A 82.9 82.8 .2 22.1 97.3 100.1 97.5 33 Funk Hybrid G-16 82.7 82.3 .5 24.4 96.9 99.7 96.9 34 Crow Hybrid 432 82.2 81.3 1.2 25.4 96.6 99.4 95.8 35 Moews Hybrid 14 82.1 81.8 .4 26.4 98.7 101.8 96.3 36 Lowe Hybrid 14 82.1 81.5 .7 25.7 97.0 99.8 96.0 37 Moews Hybrid 15 81.8 84.7 .2 22.2 96.6 99.4 96.2 38 Doubet Hybrid D-25 81.6 80.1 1.9 27.7 98.5 101.3 94.3 39 Crow Hybrid 514(W) 78.1 77.6 .7 22.5 96.2 99.0 91.4 04 Hoosier Crost Hybrid 50.5 77.4 77.2 .2 25.7 97.5 100.3 90.9		98.0						83.4	Doubet Hybrid D-1
32 Pioneer Hybrid 353A. 82.9 82.8 2 22.1 97.3 100.1 97.5 33 Funk Hybrid G-16. 82.7 82.3 5 24.4 96.9 99.7 96.9 34 Crow Hybrid 432. 82.2 81.3 1.2 25.4 96.6 99.4 95.8 35 Moews Hybrid 14. 82.1 81.8 4 26.4 98.7 101.8 96.3 36 Lowe Hybrid 14. 82.1 81.5 7 25.7 97.0 99.8 96.0 37 Moews Hybrid 15. 81.8 84.7 2 22.2 96.6 99.4 96.2 38 Doubet Hybrid D-25. 81.6 80.1 1.9 27.7 98.5 101.3 94.3 Crow Hybrid 514(W). 78.1 77.6 7 22.5 96.2 99.0 91.4 40 Hoosier Crost Hybrid 405. 77.4 77.2 2 25.7 97.5 100.3 90.9	9 M-low	97.9	101.1	98.3	23.0	. 2	83.1	83.2	Producers' Hybrid 1020
33 Funk Hybrid G-16. 82.7 82.3 5 24.4 96.9 99.7 96.9 34 Crow Hybrid 432 82.2 81.3 1.2 25.4 96.6 99.4 95.8 35 Moews Hybrid 14. 82.1 81.8 4 26.4 98.7 101.8 96.3 36 Lowe Hybrid 14. 82.1 81.5 7 25.7 97.0 99.8 96.0 37 Moews Hybrid 15. 81.8 81.7 2 22.2 96.6 99.4 96.2 38 Doubet Hybrid D-25 81.6 80.1 1.9 27.7 98.5 101.3 94.3 Doubet Hybrid 514(W). 78.1 77.6 7 22.5 96.2 99.0 91.4 40 Hoosier Crost Hybrid 405. 77.4 77.2 2 25.7 97.5 100.3 90.9		97.5							
34 Crow Hybrid 432 82.2 81.3 1.2 25.4 96.6 99.4 95.8 35 Moews Hybrid 14 82.1 81.8 4 26.4 98.7 101.8 96.0 36 Lowe Hybrid 14 82.1 81.5 7 25.7 97.0 99.8 96.0 37 Moews Hybrid 15 81.8 81.7 2 22.2 96.6 99.4 96.2 38 Doubet Hybrid D-25 81.6 80.1 1.9 27.7 98.5 101.3 94.3 39 Crow Hybrid 514(W) 78.1 77.6 7 22.5 96.2 99.0 91.4 40 Hoosier Crost Hybrid 405 77.4 77.2 2 25.7 97.5 100.3 90.9									
35 Moews Hybrid 14								82.7	Crow Hybrid 432
36 Lowe Hybrid 14. 82.1 81.5 7 25.7 97.0 99.8 96.0 37 Moews Hybrid 15. 81.8 81.7 .2 22.2 96.6 99.4 96.2 38 Doubet Hybrid 51-25. 81.6 80.1 1.9 27.7 98.5 101.3 94.3 39 Crow Hybrid 514(W). 78.1 77.6 7 22.5 96.2 99.0 91.4 40 Hoosier Crost Hybrid 405. 77.4 77.2 2 25.7 97.5 100.3 90.9								82.2	Moews Hubrid 14
37 Moews Hybrid 15								82.1	Lowe Hybrid 14
38 Doubet Hybrid D-25		96.2						81.8	Moews Hybrid 15
40 Hoosier Crost Hybrid 405 77.4 77.2 .2 25.7 97.5 100.3 90.9	3 Medium	94.3	101.3		27.7	1.9	80.1	81.6	Doubet Hybrid D-25
		91.4						78.1	Crow Hybrid 514(W)
41 Lowe Hybrid 15 77 1 76 0 4 24 0 07 0 00 9 00 6		90.9						77.4	Hoosier Crost Hybrid 405
	6 M-low	90.6	99.8	97.0	24.0	. 4	76.9	77.1	Lowe Hybrid 15
Average of all entries 85.3 84.9 .524 24.5 97.2				97.2	24.5	.524	84.9	85.3	Average of all entries

A difference of less than 5.7 bushels between total yields of any two entries in this table is not significant.

Table 8.—WEST NORTH-CENTRAL ILLINOIS: Galesburg, 1944

Rai	nk Entry	Acre	-yield	Damage corn in shelled	ture in			g for— Sound	Compara- tive height
	Entry	Total	Sound		harvest	plants	plants	yield	of ear
		bu.	bu.	perct.	perct.	perci.	perct.	perct.	
1	Stewart Hybrid S-11 Pioneer Hybrid 304 Hoosier Crost Hybrid F-170 Stiegelmeier Hybrid 102 Holmes Utility Hybrid 96 U. S. Hybrid 13 DeKalb Hybrid 800A Producers' Hybrid 1040 U. S. Hybrid 44 Morgan Hybrid M-546 Morton Hybrid M-12 Funk Hybrid G-169 Frey Hybrid 6-169 Frey Hybrid 816 Holmes Utility Hybrid 29 Funk Hybrid 816 Funk Hybrid 92 Funk Hybrid 6-86	101.2	100.1	1.1	17.4	98.8	99.5	112.6	M-high
2	Pioneer Hybrid 304	100.1	96.5	3.6	19.7	98.3	99.0	108.5	Medium
4	Stiegelmeier Hybrid 102	08 1	96.0 97.7	3.6	17.6 17.7	99.7 99.7	$100.4 \\ 100.4$	108.0 109.9	Medium Medium
5	Holmes Utility Hybrid 96	98.0	95.4	2.7	18.0	98.3	99.0	107.3	M-high
6	U. S. Hybrid 13	97.7	97.4	. 3	19.4	100.0	100.7	109.6	M-high
7	DeKalb Hybrid 800A	97.2	96.9	. 3	18.0	99.3	100.0	109.0	Medium
8	II S Hybrid 44	97.0	95.9 92.3	$\frac{1.1}{4.7}$	$\frac{17.3}{18.0}$	99.2 99.3	99.9 100.0	107.9 103.8	Medium
10	Morgan Hybrid M-546	96.6	93.7	3.0	19.2	100.0	100.7	105.4	Medium M-high
11	Morton Hybrid M-12	96.4	90.9	5.7	$\frac{19.2}{17.7}$	100.0	100.7	102.2	Medium
12	Funk Hybrid G-169	96.3	94.8	1.6	17.6	99.7	100.4	106.6	Medium
13 14	DeVolb Hybrid 916	90.0	$94.1 \\ 93.4$	2.0 2.5	$\frac{18.3}{17.9}$	98.3 100.0	99.0 100.7	105.8 105.1	Medium
15	Holmes Utility Hybrid 29	95.3	94.2	1.2	18.5	99.3	100.0	106.0	M-high Medium
16	Funk Hybrid G-86	95.2	92.3	3.0	17.9	97.7	98.4	103.8	Medium
17	Crow Hybrid 607	94.7	92.4	2.4	19.3	99.2	99.9	103.9	Medium
18 19	Funk Hybrid G-71	94.6	$94.0 \\ 92.8$.6	16.7 17.6	100.0 99.7	100.7 100.3	105.7 104.4	Medium Medium
20	Pfister Hybrid 5807	94.3	93.8	1.8	17.5	100.0	100.3	104.4	Medium
20	Farmcraft Hybrid 47	94.3	89.5	5.1	18.0	98.0	98.7	100.7	Medium
22	Doubet Hybrid D-72	93.9	85.1	9.4	17.5	99.7	100.4	95.7	Medium
23	Frey Hybrid 645	93.8	93.5	.3	19.0	99.7	100.4	105.2	Medium
24 25	Appl Hybrid A-336	93.0	$92.3 \\ 90.8$	$\frac{1.4}{2.8}$	19.2 17.7	$\frac{100.0}{99.7}$	100.7 100.4	103.8 102.1	Medium M-high
26	Pioneer Hybrid 313D	93.3	93.0	.3	19.8	97.2	97.9	104.6	Medium
27	DeKalb Hybrid 628A	93.2	92.6	.6	18.2	98.8	99.5	104.2	Medium
27	Illinois Hybrid 1091A	93.2	88.4	5.2	18.3	100.0	100.7	99.4	M-low
29 30	DeKaid Hybrid 847	92.9	86.7 92.6	6.7	17.8 17.8	100.0 99.7	100.7 100.4	97.5 104.2	Medium Medium
30	Doubet Hybrid D-42	92.7	90.1	2.8	18.5	100.0	100.7	101.3	Medium
30	Pioneer Hybrid 334	92.7	89.6	3.3	18.3	99.3	100.0	100.8	Medium
33	DeKalb Hybrid 817A	92.4	87.6	5.2	19.0	99.7	100.4	98.5	Medium
34 35	Producers' Hybrid ECVV	92.3	89.0 90.7	3.6 1.6	18.1 17.5	100.0 98.0	100.7 98.7	100.1	M-high Medium
36	Frey Hybrid 644	92.1	87.0	5.5	19.3	99.7	100.4	102.0 97.9	M-high
37	Funk Hybrid G-53	91.8	90.5	1.4	18.1	97.7	98.4	101.8	Medium
38	Stiegelmeier Hybrid 380	91.7	87.9	4.1	17.9	100.0	100.7	98.9	M-low
39 40	Null Hybrid N-10	91.1	89.6 87.3	1.7 3.8	17.8 17.9	$99.7 \\ 98.3$	100.4 99.0	$\frac{100.8}{98.2}$	Medium Medium
41	Funk Hybrid G-32	90.6	88.3	2.5	18.3	99.7	100.4	99.3	Medium
42	Moews Hybrid 523	90.5	86.8	4.1	18.0	99.2	99.9	97.6	Medium
43	Illinois Hybrid 21	90.4	87.5	3.2	18.3	99.7	100.4	98.4	Medium
44 44	Producers' Hybrid 1000	90.2	89.0 85.4	$\frac{1.3}{5.3}$	18.3 18.2	100.0 100.0	100.7 100.7	100.1 96.1	Medium Medium
46	Illinois Hybrid 201	90.2	89.9	.1	17.2	100.0	100.7	101.1	Medium
46	Hoosier Crost Hybrid 668	90.0	88.2	2.0	17.6	100.0	100.7	99.2	Medium
48	Pfister Hybrid 1897	89.8	88.8	1.1	18.0	99.3	100.0	99.9	Medium
49 50	Crow Hybrid 632	89.7	87.9 84.5	2.0 5.6	19.1 18.6	98.0 99.5	98.7 100.2	98.9 95.1	Medium
51	Kelly Hybrid K-374	89.4	84.4	5.6	17.0	99.3	100.2	94.9	Medium Medium
52	Pioneer Hybrid 307	88.9	87.3	1.8	16.8	99.3	100.0	98.2	Medium
53	Lowe Hybrid 520	88.8	87.6	1.4	18.7	98.3	99.0	98.5	Medium
54 55	Funk Hybrid C 37	88.0	87.2 87.8	1.6	18.9	100.0	100.7 100.7	98.1 98.8	M-low Modium
56	Stiegelmeier Hybrid 379	87.8	83.9	$\frac{.4}{4.4}$	17.7 18.0	100.0 98.3	99.0	94.4	Medium Medium
57	lowealth Hybrid 25	87.5	85.4	2.4	17.9	100.0	100.7	96.1	Medium
58	Crow Hybrid 607(W)	86.8	84.9	2.2	19.6	98.0	98.7	95.5	M-high
59 59	Phster Hybrid 4897	86.4	86.0	.5	17.6	100.0	100.7 100.7	96.7 95.7	Medium
59 59	Stiegelmeier Hybrid 360	86 4	85.1 82.8	$\frac{1.5}{4.2}$	17.5 16.3	100.0 98.0	98.7	93.1	Medium Medium
62	DeKalb Hybrid 620	86.3	82.8	4.1	19.7	98.5	99.2	93.1	M-low
63	Moews Hybrid 550	86.0	84.8	1.4	17.2	97.2	97.9	95.4	Medium
64	Morgan Hybrid M52	85.8	85.3	.6	18.9	99.3	100.0	96.0	Medium
65 66	Pioneer Hybrid 333	84 4	$78.0 \\ 80.4$	$\frac{8.1}{4.7}$	$\frac{17.9}{18.1}$	99.8 99.7	100.5 100.4	87.7 90.4	M-low Medium
67	Pfister Hybrid 280	84.2	82.4	2.1	18.8	99.7	100.4	92.7	Medium
68	Producers' Hybrid 1030	83.2	82.9	. 4	19.6	99.2	99.9	93.3	Medium
69	Kelly Hybrid K-42	82.9	81.2	2.0	15.6	99.7	100.4	91.3	M-low
70 71	National Hybrid 118	80 S	81.1 80.2	.5 .8	17.2 16.6	99.7 99.0	100.4 99.7	$\frac{91.2}{90.2}$	Medium Medium
72	Frey Hybrid 692. DeKalb Hybrid 816. Holmes Utility Hybrid 29. Funk Hybrid G-86. Crow Hybrid 607. Funk Hybrid G-71. DeKalb Hybrid 827. Pfister Hybrid 827. Frister Hybrid 8897. Farmcraft Hybrid 847. Doubet Hybrid D-72. Frey Hybrid 645. Holmes Utility Hybrid 39. Appl Hybrid A-336. Pioneer Hybrid 313D. DeKalb Hybrid 628A. Illinois Hybrid 1091A. DeKalb Hybrid 628A. Illinois Hybrid 1091A. DeKalb Hybrid 847. U. S. Hybrid 33. Doubet Hybrid 313D. DeKalb Hybrid 847. U. S. Hybrid 314. DeKalb Hybrid 817A. Illinois Hybrid 817A. Illinois Hybrid 6-53. Stiegelmeier Hybrid 380. Null Hybrid 6-53. Stiegelmeier Hybrid 380. Null Hybrid N-16. Ferris Hybrid 6-32. Moews Hybrid 6-32. Moews Hybrid 523. Illinois Hybrid 21. National Hybrid 21. National Hybrid 21. National Hybrid 21. Hoosier Crost Hybrid 668. Pfister Hybrid 360. Crow Hybrid 33. Kelly Hybrid K-374. Pioneer Hybrid 397. Pfister Hybrid 380. Fister Hybrid 397. Pfister Hybrid 398. Pfister Hybrid 397. Pfister Hybrid 397. Pfister Hybrid 398. Pfister Hybrid 398. Pfister Hybrid 399. Pfister Hybrid 390. Morgan Hybrid 42. Pioneer Hybrid 390. Producers' Hybrid 42. Pioneer Hybrid 390. Producers' Hybrid 491. Pioneer Hybrid 490. Pioneer	77.5	75.6	2.5		100.0	100.7	85.0	Medium
-	Average of all entries	01 2	88.9	2.6	18.1	99.3			

A difference of less than 7.7 bushels between total yields of any two entries in this table is not significant.

Table 9.—WEST NORTH-CENTRAL ILLINOIS: Galesburg Summary, 1943 and 1944

		Acre-yield		Damaged Mois- corn in ture in		Frect .	Rating for—		Compara- tive	
lan	k Entry	Total	Sound	- shelled	grain at harvest			Sound yield	height of ear	
		bu.	bu.	perci.	perci.	perci.	perci.	perct.		
1	DeKalb Hybrid 800A	108.6	105.2	2.9	20.1	97.2	101.0	104.7	Mediu	
2	Morgan Hybrid M-546	108.4	106.4	2.0	20.7	98.7	102.6	105.9	M-high	
	Producers' Aybrid 1040		107.2	1.0	19.8	95.3	99.1	106.7	M-hig	
	Pfister Hybrid 5897		106.8	.4	19.0	96.0	99.8	106.3	Mediu	
	U. S. Hybrid 13		106.5	.6	21.4	98.3	102.2	106.0	M-hig	
	Funk Hybrid G-169		105.5	1.3	19.9	97.4	101.2	105.0	M-hig	
	Crow Hybrid 633	106.0	103.1 103.1	3.6 2.7	19.5 20.2	95.3 96.5	99.1 100.3	102.6 102.6	Mediu M-hig	
)	Illinois Hybrid 246	105.1	102.9	2.8	20.2	96.4	100.3	102.4	M-hig	
	Producers' Hybrid 1000		103.2	2.8	20.3	98.5	102.4	102.7	M-hig	
	DeKalb Hybrid 816	105.5	103.2	2.3	20.3	97.5	101.4	102.7	M-hig	
	Holmes Utility Hybrid 29		103.9	1.2	20.1	98.0	101.9	103.4	Mediu	
	DeKalb Hybrid 628A		103.4	1.5	20.3	94.9	98.6	102.9	M-hig	
	Pioneer Hybrid 334		103.0	2.1	19.2	96.0	99.8	102.5	Medit	
	Doubet Hybrid D-42		102.9	2.0	20.5	96.9	100.7	102.4	Medi	
	DeKalb Hybrid 817A		101.2 102.5	3.6	20.7 19.7	98.9 97.9	102.8 101.8	100.7 102.0	Mediı Mediı	
	Funk Hybrid G-32 Appl Hybrid A-336		101.3	$\frac{2.1}{3.1}$	20.4	96.6	100.4	102.0	M-hig	
	National Hybrid 125	104.5	103.6	1.0	19.8	96.9	100.7	103.1	Medi	
	Crow Hybrid 607		100.5	3.2	21.2	94.0	97.7	100.0	M-hig	
	Doubet Hybrid D-72	103.5	98.6	5.1	19.6	96.4	100.2	98.1	Mediu	
	Farmcraft Hybrid 47		98.6	4.7	19.2	92.0	95.6	98.1	Medit	
	Funk Hybrid G-37		102.3	.7	19.1	99.2	103.1	101.8	Medit	
	Illinois Hybrid 21		101.1 100.6	2.0 2.5	19.8 21.2	$98.2 \\ 93.6$	102.1 97.3	100.6 100.1	Medii M-lov	
	DeKalb Hybrid 680 Pioneer Hybrid 339		100.0	2.0	19.3	98.3	102.2	99.5	Medi	
	Null Hybrid N-16		100.6	1.1	20.1	98.3	102.2	100.1	M-hig	
	Stiegelmeier Hybrid 380		98.9	2.8	19.8	94.3	98.0	98.4	M-low	
	Producers' Hybrid FCXX		100.1	1.4	20.7	96.4	100.2	99.6	M-hig	
	Pfister Hybrid 380		100.0	1.3	20.3	97.8	101.7	99.5	M-low	
	Hoosier Crost Hybrid 668		98.9	2.2	20.3	98.3	102.2	98.4	Mediu	
	Illinois Hybrid 201		100.8	1.2	20.1 19.2	97.1 96.5	100.9	100.3	M-hig	
	Pfister Hybrid 1897Iowealth Hybrid 25		99.3 98.9	$\frac{1.0}{1.4}$	20.1	96.5 96.4	100.3	$98.8 \\ 98.4$	Medii Medii	
	Moews Hybrid 523	99.9	97.5	2.6	19.5	95.9	99.7	97.0	M-hig	
	Morgan Hybrid M-52	99.6	99.1	.5	19.8	92.9	96.6	98.6	Mediu	
	Lowe Hybrid 520	98.8	96.3	2.4	21.3	95.7	99.5	95.8	Mediu	
	Farmcraft Hybrid 42	98.7	95.0	4.3	19.8	99.2	103.1	94.5	M-low	
	Pfister Hybrid 360	98.5	96.9	1.7	19.8	92.3	95.9	96.4	Mediu	
	U. S. Hybrid 44	98.3	95.4	3.0	19.5	90.9	94.5	94.9	Mediu	
	Stiegelmeier Hybrid 360	98.0	95.9	2.4	19.3	88.8	91.9	95.4	Mediu	
	Moews Hybrid 550	97.9	96.5	1.5	19.1	94.6	98.3	96.0	Mediu	
	Producers' Hybrid 1030	96.7	95.9	2.8	21.0	95.5	99.3	95.4	Mediu	
	Pioneer Hybrid 333 Lowe Hybrid 560	95.3 91.1	92.8 89.0	$\frac{2.9}{2.4}$	$\frac{19.9}{20.5}$	98.1 96.3	102.0 100.1	92.3 88.5	Mediu Mediu	
	Average of all entries	102.6	100.5	2.1	20.0	96.2				

A difference of less than 4.4 bushels between total yields of any two entries in this table is not significant.

Table 10.—EAST NORTH-CENTRAL ILLINOIS: Milford, 1944

DeKalb Hybrid 840	De-	I. Tre	Acre	e-yield	Damaged corn in	ture in	Erect		g for—	Compara
Dekab Hybrid 840	Ran	k Entry	Total	Sound			plants			height of ear
Miller Hybrid 201. 102.4 100.6 1.8 21.0 86.2 95.0 115.4 Me Ferris Hybrid F-31. 9 97.8 96.5 1.3 18.5 95.5 105.3 110.7 Me Holmes Utility Hybrid 39. 97.6 96.7 9 22.4 94.3 104.0 110.9 Me Producers' Hybrid 1030. 97.6 96.7 9 22.4 94.3 104.0 110.9 Me Producers' Hybrid 1030. 97.6 95.4 2.7 20.0 93.3 106.1 108.9 Me Producers' Hybrid 11A. 94.8 93.9 9 21.4 96.3 106.1 108.9 Me Producers' Hybrid G-53. 94.6 92.5 2.2 19.9 85.8 94.6 106.1 Me Prunk Hybrid G-53. 94.6 92.5 2.2 19.9 85.8 94.6 106.1 Me Prunk Hybrid G-94. 94.5 93.8 7. 22.8 92.5 102.0 107.6 Me Prunk Hybrid 69.4 94.5 93.8 7. 22.8 92.5 103.1 106.3 Me Prunk Hybrid 69.8 94.6 92.5 2.2 101.7 106.8 Me Prunk Hybrid 201. 94.1 93.3 2.9 20.8 93.5 103.1 106.3 Me Prunk Hybrid 304.0 93.8 93.4 94.1 93.3 2.9 20.8 83.7 96.1 107.0 Me Prunk Hybrid 304.0 93.8 93.4 94.6 92.2 101.7 106.8 Me Prunk Hybrid 304.0 93.8 93.2 92.6 102.2 90.3 90.6 106.2 Me Prink Hybrid 380.9 93.0 92.5 5.2 20.4 92.0 101.4 106.1 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 88.8 103.3 106.0 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 300. 92.5 5.2 20.4 92.0 101.4 106.1 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 69.0 92.8 92.2 7. 20.1 85.8 94.6 105.7 Me Prunk Hybrid 69.0 92.8 92.2 92.7 92.1 6. 21.3 94.3 104.0 105.6 Me Prunk Hybrid 69.0 92.8 92.3 94.8 103.4 104.5 Me Prunk Hybrid 69.0 92.8 92.9 92.7 92.1 10.1 10.0 92.9 92.9 92.7 92.1 10.1 10.0 92.9 92.9 92.9 92.9 92.9 92.9 92.9 9					perct.	perct.			-	
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	1	DeKalb Hybrid 840	104.3	103.7		20.0	91.5	100.9	118.9	Mediun
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	2	Miller Hybrid 201	07.8	100.0 06.5		18.5	80.2 95.5	105 3	110.4	Mediun Mediun
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	4	Holmes Utility Hybrid 39	97.6	96.7			94.3		110.9	Mediun
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	4	Producers' Hybrid 1030	97.6		2.7	20.9	93.3	102.9	108.9	Mediun
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	6	Frey Hybrid 692	96.2		.8			96.1		Mediur
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	8	Seeder Hydrid IIA	94.8		2.2					M-high Mediur
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	9	Funk Hybrid G-94	94.5	93.8	7.7	22.8		102.0	107.6	M-high
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	9	DeKalb Hybrid 800A	94.5	92.7	1.9		93.5	103.1	106.3	M-high
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	1	DeKalb Hybrid 628A	94.3			20.6		101.7		Mediu
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	2	Pioneer Hybrid 304	94.1	93.3			92.8	102 3		M-high Mediu
Pfister Hybrid 5897 93.0 92.5 5. 20.4 92.0 101.4 106.3 Me Frunk Hybrid G-71. 92.9 92.7 2 19.8 93.8 103.4 106.3 Me Frunk Hybrid G-169 92.8 92.2 7 20.1 85.8 94.6 105.7 M-1 Hoosier Crost Hybrid 380 92.4 90.5 2.1 20.1 85.8 94.6 105.7 M-1 Stiegelmeier Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 380 92.4 90.5 2.1 20.1 88.0 97.0 103.8 Me Promeer Hybrid 644 92.1 90.8 1.4 22.2 93.3 102.9 105.4 Me Frey Hybrid 644 92.1 90.8 1.4 22.2 91.5 100.9 104.1 M-1 Hillinois Hybrid 972-1 91.7 91.7 1 6 20.9 93.8 103.4 104.5 M-1 Stiegelmeier Hybrid 300 91.2 90.7 6 18.9 89.2 98.3 104.5 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Producers Hybrid 1040 91.0 90.4 7 21.4 94.7 104.1 03.7 Me Prunk Hybrid 6-37 90.5 88.9 1 8.2 2.1 88.3 97.4 103.7 Me Morton Hybrid M-380 90.2 89.7 6 21.4 93.3 102.9 102.9 Me U.S. Hybrid 13.8 89.8 87.9 2.1 21.8 87.0 95.9 100.8 M-1 Frey Hybrid 6-45. 89.7 89.5 2 21.3 88.5 97.6 102.6 Me Holmes Utility Hybrid 96 89.5 89.0 6 20.1 84.2 92.8 100.1 Me Kelly Hybrid 6-86 89.3 88.0 1.4 20.3 88.3 97.4 100.9 Me Kelly Hybrid 8-374 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-38 88.9 88.9 88.4 6 20.3 93.5 103.1 101.4 Me Kelly Hybrid 8-16 88.2 88.9 88.4 6 20.3 94.5 100.1 Me Kelly Hybrid 8-16 88.2 88.9 88.1 8 21.6 94.5 101.0 M-1 Me Kelly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 101.0 M-1 Prink Hybrid 91.2 88.5 88.9 88.4 6 20.3 94.2 103.9 101.0 Me DeKalb Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.1 100.5 Me Relly Hybrid 8-16 88.2 88.9 88.3 88.1 8 21.6 94.5 104.2 103.9 90.1 3 Me Rellinois Hybrid 25 88.0 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 3 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.4 6 20.3 94.2 103.9 90.1 90.3 Me Prink Hybrid 90.8 88.9 88.9 88.3 88.0 87.6 5 20.5 92.2 101.7 100.5 Me Prink Hybrid 90.8 88.9 88.9 88.9 88.9 88.9 88.9 88.9	4	Holmes Utility Hybrid 29	93.5	92.4				105.6		Mediu
Stiegelmeier Hybrid 300		Pfister Hybrid 380	93.2	92.6	.6			99.6	106.2	Mediu
Stiegelmeier Hybrid 300	6	Pfister Hybrid 5897	93.0		.5				106.1	Mediu
Stiegelmeier Hybrid 300	.7 .8	Funk Hybrid G-160	92.9		. 2				100.3	Mediur M-high
Stiegelmeier Hybrid 300		Hoosier Crost Hybrid 840	92.7				94.3	104.0	105.6	M-high
Kelly Hybrid K-374. 88.9 87.3 1.8 19.3 88.3 97.4 100.1 Me Null Hybrid N-54. 88.8 88.8 1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid A817. 88.6 88.1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid D-42. 88.5 88.3 2 21.3 93.3 102.9 101.3 Me DeKalb Hybrid 816. 88.2 86.9 1.5 23.1 90.3 99.6 99.7 M-Illinois Hybrid 21. 88.1 85.1 3.4 21.7 92.2 101.7 97.6 Me Pioneer Hybrid 336. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me National Hybrid 125. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me DeKalb Hybrid 847. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid D-47. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid 332. 87.0 86.6 5 22.7 94.2 103.9 99.3 M-Illinois Hybrid 1091A. 87.0 86.5 6 20.4 90.7 100.0 99.2 Me Pioneer Hybrid 333. 87.0 85.1 2.2 22.5 90.5 99.8 97.6 Me Pioneer Hybrid 313D. 86.9 86.1 9 22.4 90.2 99.4 98.7 Me DeKalb Hybrid 817A. 86.8 85.9 1.0 21.7 90.8 100.1 98.5 Me Crow Hybrid 608. 86.8 85.6 1.4 22.5 95.0 104.7 98.2 Me Fister Hybrid 1897. 86.7 85.5 14.2 20.9 95.2 105.0 98.1 Me Farmcraft Hybrid 47. 85.5 85.0 6 20.6 89.5 98.7 97.5 Me Kelly Hybrid K-99. 84.4 84.1 4 20.1 94.2 103.9 99.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Farmcraft Hybrid 608. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Footeer Crost Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 550. 81.3 80.5 10.1 92.9 99.9 93.7 Me Pfister Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 600. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.0 Me DeKalb Hybrid 550. 81.3 80.5 10.1 92.2 99.4 89.3 Me Pfister Hybrid 500. 82.4 82.2 82.5 81.7 10.1 92.9 99.9 99.9 99.9 99.9 99.9	20	Stiegelmeier Hybrid 380	92.4		2.1					Mediu
Kelly Hybrid K-374. 88.9 87.3 1.8 19.3 88.3 97.4 100.1 Me Null Hybrid N-54. 88.8 88.8 1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid A817. 88.6 88.1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid D-42. 88.5 88.3 2 21.3 93.3 102.9 101.3 Me DeKalb Hybrid 816. 88.2 86.9 1.5 23.1 90.3 99.6 99.7 M-Illinois Hybrid 21. 88.1 85.1 3.4 21.7 92.2 101.7 97.6 Me Pioneer Hybrid 336. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me National Hybrid 125. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me DeKalb Hybrid 847. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid D-47. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid 332. 87.0 86.6 5 22.7 94.2 103.9 99.3 M-Illinois Hybrid 1091A. 87.0 86.5 6 20.4 90.7 100.0 99.2 Me Pioneer Hybrid 333. 87.0 85.1 2.2 22.5 90.5 99.8 97.6 Me Pioneer Hybrid 313D. 86.9 86.1 9 22.4 90.2 99.4 98.7 Me DeKalb Hybrid 817A. 86.8 85.9 1.0 21.7 90.8 100.1 98.5 Me Crow Hybrid 608. 86.8 85.6 1.4 22.5 95.0 104.7 98.2 Me Fister Hybrid 1897. 86.7 85.5 14.2 20.9 95.2 105.0 98.1 Me Farmcraft Hybrid 47. 85.5 85.0 6 20.6 89.5 98.7 97.5 Me Kelly Hybrid K-99. 84.4 84.1 4 20.1 94.2 103.9 99.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Farmcraft Hybrid 608. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Footeer Crost Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 550. 81.3 80.5 10.1 92.9 99.9 93.7 Me Pfister Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 600. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.0 Me DeKalb Hybrid 550. 81.3 80.5 10.1 92.2 99.4 89.3 Me Pfister Hybrid 500. 82.4 82.2 82.5 81.7 10.1 92.9 99.9 99.9 99.9 99.9 99.9	1	Pioneer Hybrid 300	92.3		.4	22.2	93.3	102.9		Mediu
Kelly Hybrid K-374. 88.9 87.3 1.8 19.3 88.3 97.4 100.1 Me Null Hybrid N-54. 88.8 88.8 1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid A817. 88.6 88.1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid D-42. 88.5 88.3 2 21.3 93.3 102.9 101.3 Me DeKalb Hybrid 816. 88.2 86.9 1.5 23.1 90.3 99.6 99.7 M-Illinois Hybrid 21. 88.1 85.1 3.4 21.7 92.2 101.7 97.6 Me Pioneer Hybrid 336. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me National Hybrid 125. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me DeKalb Hybrid 847. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid D-47. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid 332. 87.0 86.6 5 22.7 94.2 103.9 99.3 M-Illinois Hybrid 1091A. 87.0 86.5 6 20.4 90.7 100.0 99.2 Me Pioneer Hybrid 333. 87.0 85.1 2.2 22.5 90.5 99.8 97.6 Me Pioneer Hybrid 313D. 86.9 86.1 9 22.4 90.2 99.4 98.7 Me DeKalb Hybrid 817A. 86.8 85.9 1.0 21.7 90.8 100.1 98.5 Me Crow Hybrid 608. 86.8 85.6 1.4 22.5 95.0 104.7 98.2 Me Fister Hybrid 1897. 86.7 85.5 14.2 20.9 95.2 105.0 98.1 Me Farmcraft Hybrid 47. 85.5 85.0 6 20.6 89.5 98.7 97.5 Me Kelly Hybrid K-99. 84.4 84.1 4 20.1 94.2 103.9 99.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Farmcraft Hybrid 608. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Footeer Crost Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 550. 81.3 80.5 10.1 92.9 99.9 93.7 Me Pfister Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 600. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.0 Me DeKalb Hybrid 550. 81.3 80.5 10.1 92.2 99.4 89.3 Me Pfister Hybrid 500. 82.4 82.2 82.5 81.7 10.1 92.9 99.9 99.9 99.9 99.9 99.9	3	Illinois Hybrid 072-1	92.1			20.4		100.9		M-high M-high
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Kelly Hybrid K-374. 88.9 87.3 1.8 19.3 88.3 97.4 100.1 Me Null Hybrid N-54. 88.8 88.8 1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid A817. 88.6 88.1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid D-42. 88.5 88.3 2 21.3 93.3 102.9 101.3 Me DeKalb Hybrid 816. 88.2 86.9 1.5 23.1 90.3 99.6 99.7 M-Illinois Hybrid 21. 88.1 85.1 3.4 21.7 92.2 101.7 97.6 Me Pioneer Hybrid 336. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me National Hybrid 125. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me DeKalb Hybrid 847. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid D-47. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid 332. 87.0 86.6 5 22.7 94.2 103.9 99.3 M-Illinois Hybrid 1091A. 87.0 86.5 6 20.4 90.7 100.0 99.2 Me Pioneer Hybrid 333. 87.0 85.1 2.2 22.5 90.5 99.8 97.6 Me Pioneer Hybrid 313D. 86.9 86.1 9 22.4 90.2 99.4 98.7 Me DeKalb Hybrid 817A. 86.8 85.9 1.0 21.7 90.8 100.1 98.5 Me Crow Hybrid 608. 86.8 85.6 1.4 22.5 95.0 104.7 98.2 Me Fister Hybrid 1897. 86.7 85.5 14.2 20.9 95.2 105.0 98.1 Me Farmcraft Hybrid 47. 85.5 85.0 6 20.6 89.5 98.7 97.5 Me Kelly Hybrid K-99. 84.4 84.1 4 20.1 94.2 103.9 99.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Farmcraft Hybrid 608. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Footeer Crost Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 550. 81.3 80.5 10.1 92.9 99.9 93.7 Me Pfister Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 600. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.0 Me DeKalb Hybrid 550. 81.3 80.5 10.1 92.2 99.4 89.3 Me Pfister Hybrid 500. 82.4 82.2 82.5 81.7 10.1 92.9 99.9 99.9 99.9 99.9 99.9	Ó	Frey Hybrid 645	89.7	89.5	. 2	21.3	88.5	97.6	102.6	Mediu
Kelly Hybrid K-374. 88.9 87.3 1.8 19.3 88.3 97.4 100.1 Me Null Hybrid N-54. 88.8 88.8 1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid A817. 88.6 88.1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid D-42. 88.5 88.3 2 21.3 93.3 102.9 101.3 Me DeKalb Hybrid 816. 88.2 86.9 1.5 23.1 90.3 99.6 99.7 M-Illinois Hybrid 21. 88.1 85.1 3.4 21.7 92.2 101.7 97.6 Me Pioneer Hybrid 336. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me National Hybrid 125. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me DeKalb Hybrid 847. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid D-47. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid 332. 87.0 86.6 5 22.7 94.2 103.9 99.3 M-Illinois Hybrid 1091A. 87.0 86.5 6 20.4 90.7 100.0 99.2 Me Pioneer Hybrid 333. 87.0 85.1 2.2 22.5 90.5 99.8 97.6 Me Pioneer Hybrid 313D. 86.9 86.1 9 22.4 90.2 99.4 98.7 Me DeKalb Hybrid 817A. 86.8 85.9 1.0 21.7 90.8 100.1 98.5 Me Crow Hybrid 608. 86.8 85.6 1.4 22.5 95.0 104.7 98.2 Me Fister Hybrid 1897. 86.7 85.5 14.2 20.9 95.2 105.0 98.1 Me Farmcraft Hybrid 47. 85.5 85.0 6 20.6 89.5 98.7 97.5 Me Kelly Hybrid K-99. 84.4 84.1 4 20.1 94.2 103.9 99.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Farmcraft Hybrid 608. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Footeer Crost Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 550. 81.3 80.5 10.1 92.9 99.9 93.7 Me Pfister Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 600. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.0 Me DeKalb Hybrid 550. 81.3 80.5 10.1 92.2 99.4 89.3 Me Pfister Hybrid 500. 82.4 82.2 82.5 81.7 10.1 92.9 99.9 99.9 99.9 99.9 99.9	1	Holmes Utility Hybrid 96	89.5					92.8		M-high
Kelly Hybrid K-374. 88.9 87.3 1.8 19.3 88.3 97.4 100.1 Me Null Hybrid N-54. 88.8 88.8 1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid A817. 88.6 88.1 8.1 6 20.3 94.5 104.2 101.0 M-Pfister Hybrid D-42. 88.5 88.3 2 21.3 93.3 102.9 101.3 Me DeKalb Hybrid 816. 88.2 86.9 1.5 23.1 90.3 99.6 99.7 M-Illinois Hybrid 21. 88.1 85.1 3.4 21.7 92.2 101.7 97.6 Me Pioneer Hybrid 336. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me National Hybrid 125. 88.0 87.6 5 20.5 92.2 101.7 90.5 Me DeKalb Hybrid 847. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid D-47. 87.6 86.8 9 21.7 90.7 100.0 99.5 Me Doubet Hybrid 332. 87.0 86.6 5 22.7 94.2 103.9 99.3 M-Illinois Hybrid 1091A. 87.0 86.5 6 20.4 90.7 100.0 99.2 Me Pioneer Hybrid 333. 87.0 85.1 2.2 22.5 90.5 99.8 97.6 Me Pioneer Hybrid 313D. 86.9 86.1 9 22.4 90.2 99.4 98.7 Me DeKalb Hybrid 817A. 86.8 85.9 1.0 21.7 90.8 100.1 98.5 Me Crow Hybrid 608. 86.8 85.6 1.4 22.5 95.0 104.7 98.2 Me Fister Hybrid 1897. 86.7 85.5 14.2 20.9 95.2 105.0 98.1 Me Farmcraft Hybrid 47. 85.5 85.0 6 20.6 89.5 98.7 97.5 Me Kelly Hybrid K-99. 84.4 84.1 4 20.1 94.2 103.9 99.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Farmcraft Hybrid 608. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Footeer Crost Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 668. 84.4 84.1 4 20.1 94.2 103.9 96.4 M-Pfister Hybrid 280. 84.3 83.8 6 20.5 89.3 98.5 96.1 Me Producers' Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 360. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 550. 81.3 80.5 10.1 92.9 99.9 93.7 Me Pfister Hybrid 660. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 600. 82.4 82.2 3 21.8 88.3 97.4 94.3 Me Pfister Hybrid 500. 82.4 82.2 3 21.8 88.3 97.4 94.0 Me DeKalb Hybrid 550. 81.3 80.5 10.1 92.2 99.4 89.3 Me Pfister Hybrid 500. 82.4 82.2 82.5 81.7 10.1 92.9 99.9 99.9 99.9 99.9 99.9	32 33	Funk Hybrid G-80	89.3					103 1		Medius Medius
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	33	Kelly Hybrid K-374	88.9		1.8					Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	5	Null Hybrid N-54	88.8	88.1	.8	21.6	94.5	104.2	101.0	M-high
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	6	Pfister Hybrid 4817	88.6	88.1			94.2		101.0	Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	8	DeKalb Hybrid 816	88.5		1.5				101.3	Medius M-high
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	9	Illinois Hybrid 21	88.1		3.4	21.7		101.7	97.6	Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	0	Pioneer Hybrid 336	88.0	87.6	.5	20.5	92.2	101.7	100.5	Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	0	National Hybrid 125	88.0		.5					Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	2	Doubet Hybrid D-47	87.0						99.5	Mediu: Mediu:
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	4	Pioneer Hybrid 332	87.0		.5	22.7	94.2		99.3	M-high
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	4	Illinois Hybrid 1091A	87.0	86.5	.6	20.4	90.7	100.0	99.2	Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 70(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	4	Crow Hybrid 633	87.0					99.8		Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	.7 8	DeKalb Hybrid 817A	86.8							Mediu: Mediu:
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	8	Crow Hybrid 608	86.8				95.0		98.2	Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	0	Pfister Hybrid 1897	86.7	85.5	1.4	20.9	95.2	105.0	98.1	Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	2	Farmcraft Hybrid 47	85.5					98.7		Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	3	Kelly Hybrid K-00	84 4	84.4				103 0		Mediu: M-high
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	4	Pfister Hybrid 280	84.3	83.8	.6					Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	5	Hoosier Crost Hybrid 668	84.1				93.2	102.8	96.1	Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	6 7	Producers' Hybrid 909	83.7	82.0				97.4	94.0	Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	8	Pfister Hybrid 360	82.5							Mediu Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	9	Hoosier Crost Hybrid F-169	81.6					99.4		Mediu
Lowe Hybrid 520. 81.0 80.2 1.0 22.7 92.0 101.4 92.0 Met lowealth Hybrid 25. 80.5 80.3 3 22.0 85.8 94.6 92.1 Met Stiegelmeier Hybrid 379. 80.2 79.7 6 22.0 91.7 101.1 91.4 Met Hoosier Crost Hybrid F-168. 80.1 79.8 .4 21.3 93.3 102.9 91.5 Met Miller Hybrid 26. 79.2 77.9 1.6 24.8 90.2 99.4 89.3 Met Producers' Hybrid 777. 77.6 77.2 .5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) 77.1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 6 23.3 65.8 72.5 84.1 Met Crow Hybrid 570(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	0	Pfister Hybrid 260	81.3	80.5	1.0	19.8	91.3	100.7		Mediu
Miller Hybrid 777. 77.6 77.2 . 5 20.3 85.8 94.6 88.5 Met Producers' Hybrid 777. 77.6 77.2 . 5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) . 77.1 76.8 .4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560 75.4 75.1 .4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166 . 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) . 73.7 73.3 .6 23.3 65.8 72.5 84.1 Met Crow Hybrid 67(W)	2	Moews Hybrid 550	81.3							Mediu
Miller Hybrid 777. 77.6 77.2 . 5 20.3 85.8 94.6 88.5 Met Producers' Hybrid 777. 77.6 77.2 . 5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) . 77.1 76.8 .4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560 75.4 75.1 .4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166 . 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) . 73.7 73.3 .6 23.3 65.8 72.5 84.1 Met Crow Hybrid 67(W)	3	Iowealth Hybrid 25	80.5			22.7	92.U 85 8		92.0	Mediu: Mediu:
Miller Hybrid 777. 77.6 77.2 . 5 20.3 85.8 94.6 88.5 Met Producers' Hybrid 777. 77.6 77.2 . 5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) . 77.1 76.8 .4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560 75.4 75.1 .4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166 . 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) . 73.7 73.3 .6 23.3 65.8 72.5 84.1 Met Crow Hybrid 67(W)	4	Stiegelmeier Hybrid 379	80.2				91.7			Mediu
Miller Hybrid 777. 77.6 77.2 . 5 20.3 85.8 94.6 88.5 Met Producers' Hybrid 777. 77.6 77.2 . 5 20.3 85.8 94.6 88.5 Met Miller Hybrid 1050(W) . 77.1 76.8 .4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560 75.4 75.1 .4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166 . 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) . 73.7 73.3 .6 23.3 65.8 72.5 84.1 Met Crow Hybrid 67(W)	5	Hoosier Crost Hybrid F-168	80.1	79.8	.4	21.3	93.3	102.9	91.5	Mediu
Froducers riyorid 77. 1 77. 1 77. 2 . 3 20.3 85.8 94.6 88.5 Me Miller Hybrid 1050(W). 77. 1 76.8 4 22.8 95.3 105.1 88.1 Hig Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Met Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W). 73.7 73.3 6 23.3 65.8 72.5 84.1 M-1 Crow Hybrid 607(W). 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	6	Miller Hybrid 26	79.2		1.6	24.8		99.4		Mediu
Lowe Hybrid 560. 75.4 75.1 4 20.5 87.8 96.8 86.1 Me. Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Me. DeKalb Hybrid 720(W). 73.7 73.3 6 23.3 65.8 72.5 84.1 M-1 Crow Hybrid 607(W). 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Me.	7	Miller Hybrid 1050(W)	77.0		.5	20.3	85.8 05 3			Mediu
Hoosier Crost Hybrid F-166. 73.9 72.8 1.5 21.3 95.0 104.7 83.5 Met DeKalb Hybrid 720(W) 73.7 73.3 .6 23.3 65.8 72.5 84.1 M-1 Crow Hybrid 607(W) 70.6 69.7 1.3 23.2 86.2 95.0 79.9 Met	9	Lowe Hybrid 560	75.4						86.1	Mediu
DeKalb Hybrid 720(W)	Ó	Hoosier Crost Hybrid F-166	73.9	72.8		21.3	95.0	104.7	83.5	Medlu
Crow Hydrid 607(W)	1	DeKalb Hybrid 720(W)	73.7	73.3	.6	23.3	65.8		84.1	M-high
Average of all entries 88 0 87 7 1 0 71 7 00 7	2	Average of all entries	70.6	69.7 87.2	$\frac{1.3}{1.0}$	23.2 21.2	$\frac{86.2}{90.7}$	95.0	79.9	Mediu

A difference of less than 6.9 bushels between total yields of any two entries in this table is not significant.

Table 11.—EAST NORTH-CENTRAL ILLINOIS:
Milford Summary, 1943 and 1944

		Acre	-yield	Damageo	d Mois- ture in	Erect	Rating for—		Compara- tive
Ran	k Entry	Total	Sound	- shelled	grain at harvest			Sound yield	height of ear
_		bu.	bu.	perct.	perct.	perct.	perci.	perct.	
1 2 3	DeKalb Hybrid 840	90.5	91.9 88.9	1.4 1.7	19.9 20.5	92.4 94.3	100.1 102.2	110.3 106.7	Medium Medium
4	Holmes Utility Hybrid 39 Funk Hybrid G-94	89.5	89.6 88.7	.7	21.1	95.2 93.1	103.1	107.6 106.5	Medium M-high
5 7	Null Hybrid N-54 DeKalb Hybrid 800A	89.4	88.3 88.1 88.1	1.3 1.5 1.1	20.6 19.9 20.1	93.8 93.2 95.4	101.6 101.0 103.4	106.0 105.8 105.8	M-high M-high M-high
8	Seeber Hybrid 11A	88.9	87.1 87.8	2.1	20.1 20.2 19.5	91.2 88.5	98.8 95.9	103.8 104.6 105.4	M-low M-high
10	Funk Hybrid G-169 DeKalb Hybrid 816		87.2	.9	21.4	90.8	98.4	104.7	M-high
11 11	Pfister Hybrid 380 DeKalb Hybrid 628A		87.5 86.9	.5 1.1	20.4 21.3	93.6 94.6	101.4 102.5	105.0 104.0	M-low M-high
13	Illinois Hybrid 201	87.6	86.8 86.5	1.0	19.8	90.9 93.6	98.5 101.4	104.2 103.8	M-high
14 14	Pfister Hybrid 4817 Producers' Hybrid 1040		86.2	.5 .8	19.8 21.2	95.4	101.4	103.8	Medium Medium
16	Farmcraft Hybrid 89	86.7	85.5	1.4	19.4	92.3	100.0	102.6	Medium
17 18	Pfister Hybrid 5897		86.0 84.8	.7 .8	$\frac{19.2}{20.3}$	95.3 94.7	103.3 102.6	103.2 101.8	M-low Medium
19	Miller Hybrid 201	85.4	83.7	2.0	20.6	91.8	99.5	100.5	Medium
19	Funk Hybrid G-37	85.4	83.5	2.4	19.6	93.1	100.9	100.2	Medium
21 22	Crow Hybrid 607		84.5 82.8	.9 2.6	20.7 21.0	90.3 92.2	97.8 99.9	101.4 99.4	Medium Medium
23	Doubet Hybrid D-47	84.7	83.7	1.2	20.9	92.8	100.5	100.5	Medium
24 25	National Hybrid 125 DeKalb Hybrid 817A		84.2 83.1	$\frac{.4}{1.6}$	19.7 20.5	$91.7 \\ 92.7$	99.3 100.4	101.1 99.8	Medium Medium
25 25	Pioneer Hybrid 332		83.0	1.7	23.0	92.4	100.4	99.6	M-high
27	Pioneer Hybrid 300	84.3	83.7	.8	22.3	94.7	102.6	100.5	Medium
28 28	Pioneer Hybrid 336 Pfister Hybrid 280		83.3 82.5	.7 1.6	19.4 20.1	92.5 92.3	100.2	100.0 99.0	Medium M-low
30	Crow Hybrid 633		82.4	1.4	21.3	92.4	100.1	98.9	Medium
31	Stiegelmeier Hybrid 360		83.0	.6 1.9	19.1	88.9 89.8	96.3	99. 6 98.3	Medium Medium
32 33	U. S. Hybrid 13		81.9 82.3	.9	$\frac{21.2}{20.7}$	92.3	97.3 100.0	98.8	Medium
34	DeKalb Hybrid 847	82.9	81.2	2.1	21.2	91.4	99.0	97.5	Medium
35 36	Pioneer Hybrid 313D Sibley Hybrid 753B-1b		81.1 79.9	.8 1.8	21.7 20.0	91.9 92.6	99.6 100.3	$97.4 \\ 95.9$	Medium Medium
37	Crow Hybrid 608		79.6	1.6	20.6	94.2	102.1	95.6	Medium
38	Hoosier Crost Hybrid 668	79.9	78.7	1.6	22.1	93.0	100.8	94.5	Medium
39 39	Pfister Hybrid 260 Lowe Hybrid 520	79.6	79.1 78.9	.7 1.0	$\frac{19.4}{21.2}$	93.0 94.5	100.8 102.0	$95.0 \\ 94.7$	M-low Medium
41	Hoosier Crost Hybrid F-169		78.9	.5	19.7	92.3	100.0	94.7	Medium
42	Iowealth Hybrid 25 Farmcraft Hybrid 47		78.5 76.4	$\frac{.3}{2.5}$	20.6 19.6	89.7 92.6	97.2 100.3	94.2 91.7	M-high M-low
44	Lowe Hybrid 560	76.8	76.3	.7	20.0	91.4	99.0	91.6	Medium
45 46	Pfister Hybrid 360 DeKalb Hybrid 720(W)		75.7 74.4	.2 .5	20.4 22.6	91.5 78.3	99.1 84.8	90.9 89.3	M-low M-high
47	Miller Hybrid 1050(W)		72.8	2.3	22.0	94.3	102.2	87.4	High
	Average of all entries	84.3	83.3	1.2	20.6	92.3			

^{*}This entry in the 1943 tests was Illinois Hybrid 972. bThis entry in the 1943 tests was Sibley Hybrid 753B.

A difference of less than 5.5 bushels between total yields of any two entries in this table is not significant.

Table 12.—SOUTH-CENTRAL ILLINOIS: Sullivan, 1944

_									
				Damage			Ratin	g for—	Compara-
Ran	k Entry	Acre	e-yield		ture in grain at			Sound	tive height
Kan	ik ishtiy	Total	Sound	sample	harvest	plants	plants	yield	of ear
		-	1						
	D : ** 1 :1 C 00	bu.	bu.	perci.	perck.	perct.	perct.	perci.	
1 2	Funk Hybrid G-80 Funk Hybrid G-137	105.3	104.2 104.7	1.0 .4	$\frac{20.7}{19.8}$	85.8 82.5	111.7 107.4	114.9 115.4	M-high M-high
3	Miller Hybrid 1050(W)	103.3	102.9	.4	18.9	73.3	95.4	113.5	High
4	Funk Hybrid G-515(W)	101.3	100.6	. 7	19.5	58.3	75.9	110.9	High
5 6	Appl Hybrid A-128	99.8	99.7 97.4	.1 1.6	17.3 18.5	$82.2 \\ 64.2$	107.0 83.6	109.9 107.4	M-high M-high
7	Producers' Hybrid 1050	98.9	98.8	.1	16.6	75.8	98.7	108.9	Medium
7	Morgan Hybrid M-546	98.9	98.6	.3	15.5	82.5	107.4	108.7	Medium
9 10	Henley-Whisnand Hybrid 917(W) Funk Hybrid G-104	98.7	98.5 97.0	.2	18.4 15.2	56.7 85.8	73.8 111.7	108.6 106.9	M-high Medium
			91.0	. 2	13.2	03.0	111.7	100.9	Medium
11	Crow Hybrid 607	96.6	95.5	1.1	17.3	77.2	100.5	105.3	Medium
12 13	Henley-Whisnand Hybrid 901(W)	96.3	96.2 94.6	.1 1.5	$\frac{18.1}{17.3}$	$66.7 \\ 71.7$	86.8 93.4	106.1 104.3	M-high Medium
14	Appl Hybrid A-336	95.6	94.8	.8	15.8	76.7	99.9	104.5	Medium
15	Funk Hybrid G-94	95.2	94.4	.8	15.5	77.5	100.9	104.1	M-low
16 17	Crow Hybrid 607. Henley-Whisnand Hybrid 901(W). Illinois Hybrid 200. Appl Hybrid A-336 Funk Hybrid G-94. Illinois Hybrid 201. Pioneer Hybrid 304. Illinois Hybrid 972-1 Funk Hybrid G-96. Hoosier Crost Hybrid 505(W)	95.1	$94.6 \\ 94.2$.5 .7	$\frac{14.6}{17.0}$	$80.8 \\ 80.0$	105.2 104.2	104.3 103.9	Medium M-low
18	Illinois Hybrid 972-1	94.6	92.0	2.8	14.7	83.3	108.5	103.9	M-low
19	Funk Hybrid G-96	93.8	93.8	0	16.5	80.8	105.2	103.4	Medium
19	Hoosier Crost Hybrid 505(W)	93.8	91.5	2.4	17.5	68.3	88.9	100.9	M-high
21	U. S. Hybrid 13	93.7	92.8	1.3	15.1	83.3 76.7	108.5	102.3	Medium
21	Pioneer Hybrid 332	93.7	91.2	2.7	17.0	76.7	99.9	100.6	Medium
23 24	Producers' Hybrid 1040 Henley-Whisnand Hybrid 831	93.3	93.3 92.2	.1	14.8 14.9	$87.5 \\ 73.3$	113.9 95.4	102.9 101.7	Medium Medium
25	Hoosier Crost Hybrid 840	92.1	91.9	. 2	16.7	80.8	105.2	101.3	Medium
26	Stiegelmeier Hybrid 102	92.0	91.8	. 2	14.6	82.5	107.4	101.2	M-low
27 28	Illinois Hybrid 247. Pfister Hybrid 1897.	91.5	90.8 89.3	.8 1.9	17.0 15.3	$\frac{74.2}{90.3}$	96.6 117.6	100.1 98.5	M-high Medium
29	DeKalb Hybrid 835	90.9	90.5	.4	15.1	86.7	112.9	99.8	M-low
29	Hoosier Crost Hybrid 707(W)	90.9	90.4	.5	18.4	69.2	90.1	99.7	M-high
31	Lowe Hybrid 840	90.7	90.7	0	18.2	80.0	104.2	100.0	Medium
31 33	Funk Hybrid G-169	90.7	90.3	2.4	14.8	82.5	107.4	99.6	Medium
34	Null Hybrid N-77. Pfister Hybrid 1823.	90.4	88.0 88.9	$\frac{2.7}{1.6}$	17.0 17.3	56.7 63.3	$73.8 \\ 82.4$	97.0 98.0	M-high Medium
35	DeKalb Hybrid 816	90.1	89.8	.3	17.3	81.3	105.9	99.0	Medium
36	Illinois Hybrid 246Farmcraft Hybrid 81	90.0	89.5	.6	16.2	74.2	96.6	98.7	Medium
37 38	Illinois Hybrid 501 (Ponder)	89.7	89.3 87.6	$\frac{.4}{2.1}$	14.4 16.8	$81.7 \\ 74.2$	106.4 96.6	98.5 96.6	M-low Medium
39	DeKalb Hybrid 888 Producers' Hybrid 1000	89.3	85.5	4.2	18.1	58.3	75.9	94.3	Medium
40	Producers' Hybrid 1000	88.9	88.7	.2	14.1	81.7	106.4	97.8	Medium
41	Crow Hybrid 805	88.8	87.6	1.4	15.5	79.2	103.1	96.6	Medium
42 43	Pfister Hybrid 164 Lowe Hybrid 855(W) Iowealth Hybrid 29A	88.7	88.0 87.8	.8	15.8	88.0	114.6	97.0 96.8	Medium M-high
43 43	Iowealth Hybrid 29A	88.2	87.7	.4 .6	19.6 16.0	63.3 85.8	82.4 111.7	96.8	Medium
			85.2	3.2	16.8	92.5	120.4	93.9	Medium
46 47	Crow Hybrid 608	87.9	87.6	.3	14.9	87.5 77.5	113.9	96.6	M-low M-high
48	Pioneer Hybrid 313D	86.6	86.3 86.4	.6 .2	18.9 16.2	67.0	100.9 87.2	95.1 95.3	M-nign Medium
49	Crow Hybrid 608. DeKalb Hybrid 922(W). Pioneer Hybrid 313D. Hoosier Crost Hybrid 746.	86.5	86.1	.5	16.0	86.7	112.9	94.9	Medium
50	National Hybrid 129	86.4	84.4	2.3	19.8	63.3	82.4	93.1	Medium
51	Farmcraft Hybrid 88	86.1	85.8	. 3	15.8	70.8	92.2	94.6	Medium
52 53	Pioneer Hybrid 336	85.9	85.1 85.1	.9 .8	14.1 16.4	75.8 62.5	$98.7 \\ 81.4$	93.8 93.8	Medium Medium
54	Illinois Hybrid 126	85.4	81.9	4.1	16.0	77.2	100.5	90.3	Medium
55	Illinois Hybrid 126. Hoosier Crost Hybrid 668.	84.3	84.0	.3	15.3	81.7	106.4	92.6	Medium
56 57	Hoosier Crost Hybrid F-169	84.2	83.9 83.9	.4	13.7	82.5	$107.4 \\ 104.2$	92.5 92.5	Medium Low
58	Pfister Hybrid 360A Pioneer Hybrid 300	82.2	80.2	$^{.2}_{2.4}$	14.6 16.2	$\frac{80.0}{75.0}$	97.7	88.4	Medium
	Miller Hybrid 26	79.6	79.4	.3	13.9	83.3	108.5	87.5	M-low
60	DeKalb Hybrid 919(W)	78.9	78.5	.5	18.2	77.2	100.5	86.5	Medium
	Average of all entries	91.6	90.7	.9	16.5	76.8			

A difference of less than 7.9 bushels between total yields of any two entries in this table is not significant.

Table 13.—SOUTHERN CORN ROOTWORM: Sullivan, South-Central Illinois, Extent to which stalks resisted lodging caused by the feeding of this insecta

Rank	Entry	Plants leaning 30 degrees or more	Plants leaning more than 45 degrees	Resistance rating compared with averageb
		perct.	perci.	
1 Illinois Hybr	id 21	4.3	.4	519
2 Crow Hybrid 3 Hoosier Cros	l 608 t Hybrid F-169	5.1	. 7	409
	id 164		0 .4	397 375
· 5 Miller Hybri	d 26	8,0	. 0	338
6 Funk Hybrid	l G-137	7.1	1.3	276
7 DeKalb Hyb 8 DeKalb Hyb	orid 816 orid 835	9.2 8.7	$\frac{1.1}{1.4}$	237 233
	orid M-546	9.9	1.1	221
10 Funk Hybrid	l G-80	11.8	.3	218
10 Hoosier Cros 12 Producers' H	t Hybrid 746	11.0	. 7	218
13 Producers H	ybrid 1000	10.4	$\frac{1.1}{1.0}$	214 211
14 Funk Hybrid	l G-104	10.9	1.1	205
	1 805		1.5	195
16 Farmcraft H	ybrid 81der) Hybrid 501	14.1	0	190 178
18 Funk Hybrid	1 G-96	13.6	1.4	165
18 Illinois Hybr	id 201	14.9	. 7	165
	l G-94		1.0	163
	A-128id 126		1.7	161 155
	13		1.1	152
24 Stiegelmeier	Hybrid 102	13.3	2.8	142
25 Henley-Whis 26 Hoosier Cros	nand Hybrid 831t Hybrid 668	15.7	$\frac{1.7}{2.1}$	141
	ybrid 1050	15.1	2.1	139 138
27 Hoosier Cros	t Hybrid 840	15.3	2.1	138
27 Funk Hybrid	G-169	14.7	2.4	138
30 Pfister Hybri 31 Pioneer Hybri	id 1897rid 304	17.7	1.1 3.5	135 122
	l 607	20.2	1.1	121
32 Iowealth Hvl	brid 29A	16.8	2.8	121
34 Illinois Hybr 35 DeKalb Hyb	id 972-1	16.7	3.3	115 106
	rid 922(W)	15.5	5.0	105
37 Hoosier Cros	t Hybrid 505(W)	25.0	1.4	97
38 Appl Hybrid	A-336	18.1	4.9	96
39 Pioneer Hybr 40 Pioneer Hybr	rid 300	19.3	4.6 3.5	94 92
	id 246	24.9	4.2	81
42 Pioneer Hybi	rid 336	24.6	4.6	80
	id 247		4.8 5.4	79 76
	id 1823	31.2	3.4	76 72
46 Farmcraft H	ybrid 88	34.2	2.9	68
	d 1050(W)		1.8	66
48 Null Hybrid 49 DeKalb Hyb	N-77rid 919(W)	29.0 34.9	6.5 4.8	64 61
	id 160	37.0	4.2	59
51 Pfister Hybri	d 360A t Hybrid 707(W)		4.3	57
52 Hoosier Čros 53 DeKalb Hyb	t Hybrid 707(W)	40.1 38.0	3.9 5.5	56
	rid 888id 200	38.0	5.5 5.9	55 53
54 Henley-Whis	nand Hybrid 941(W)	37.0	6.9	53
	rid 313D		9.5	53
	l 855(W)brid 129		$\frac{6.2}{8.7}$	43 42
59 Henley-Whis	nand Hybrid 901(W)		5.8	40
59 Henley-Whis	nand Hybrid 917(W)	45.7	10.5	40
Average	of all entries	21.1	2.9	100

^{*}Diabrotica duodecimpunctata (F.) bHigh rating indicates better standing ability.

In percentage of plants leaning 30 degrees or more, a difference of less than 17.9 between any two entries is not significant.

Table 14.—SOUTH-CENTRAL ILLINOIS: Sullivan Summary, 1943 and 1944

		Acre	-yield	Damageo	i Mois- ture in	Erect -		g for—	Compara- tive
Ran	k Entry			-shelled	grain at		Erect		height
		Total	Sound	sample	harvest		plants	yield	of ear
		bu.	bu.	perct.	perct.	perci.	perct.	perci.	-
1	Funk Hybrid G-137		99.8	. 4	18.6	84.8	97.6	112.5	High
2	Funk Hybrid G-80		98.2	.7	20.4	90.6	104.3	110.7	M-high
3	Appl Hybrid A-128	95.3	95.2	.1	18.2	89.1	102.5	107.3	M-high
3	Henley-Whisnand Hybrid 917(W)		95.1	. 3	19.1	75.6	87.0	107.2	High
5	Funk Hybrid G-104		93.9	. 2	16.9	92.7	106.7	105.9	Medium
5 7	Henley-Whisnand Hybrid 941(W)		93.1 92.9	1.1 .8	19.8 16.5	80.8 84.3	93.0 97.0	105.0	M-high Medium
8	Henley-Whisnand Hybrid 831 Miller Hybrid 1050(W)		92.5	.3	19.5	84.3	97.0	104.7 104.3	Medium M-high
9	Illinois Hybrid 200		91.6	1.2	18.6	83.9	96.5	103.3	M-high
1Ó	Appl Hybrid A-336	92.5	90.2	2 5	17 0	86.8	99.9	101.7	Medium
	inppi injulia in occini in	,	, , , ,		17.9	00.0		1011	1.20.00
11	Funk Hybrid G-94		91.6	.6	16.8	86.9	100.0	103.3	Medium
12	U. S. Hybrid 13		91.4	.8	16.6	90.6	104.3	103.0	Medium
12	Illinois Hybrid 201		91.4	.6	16.0	88.7	102.1	103.0	Medium
14	DeKalb Hybrid 835	91.8	91.3	.5	16.4	93.2	107.2	102.9	M-low
15 16	Producers' Hybrid 1040		91.5 91.2	.2	17.2 16.0	93.3 89.7	107.4 103.2	103.2 102.8	Medium Medium
17	Producers' Hybrid 1000	91.5	90.9	.2	19.3	81.5	93.8	102.8	M-high
18	Null Hybrid N-77		89.4	1.6	17.3	77.3	89.0	100.8	Medium
19	Crow Hybrid 607		89.5	.8	18.9	84.6	97.4	100.9	Medium
2 0	Pfister Hybrid 1897	90.1	88.7	1.6	16.9	94.7	109.0	100.0	Medium
21	Pioneer Hybrid 332	90.0	88.7	1.4	18.8	87.8	101.0	100.0	Medium
22	DeKalb Hybrid 816	89.9	89.6	.3	18.1	88.5	101.8	101.0	Medium
23	Pfister Hybrid 160		88.5	.8	16.7	79.4	91.4	99.8	Medium
24	Iowealth Hybrid 29A		88.5	. 5	18.2	92.2	106.1	99.8	M-high
24	Pfister Hybrid 164		88.3	.7	17.1	92.6	106.6	99.5	Medium
26 27	Crow Hybrid 805	88.7	87.9 88.3	1.0	16.8 15.9	88.3	101.6 102.4	99.1 99.5	Medium M-low
27	Farmcraft Hybrid 81Illinois Hybrid 247	98 7	88.1	.5 .7	18.3	89.0 84.7	97.5	99.3	M-low M-high
29	Funk Hybrid G-169		87.6	1.0	17.2	88.6	102.0	98.8	Medium
30	DeKalb Hybrid 888		86.0	2.5	19.6	75.8	87.2	97.0	M-high
31	Lowe Hybrid 840	88.1	87.8	.4	18.9	88.2	101.5	99.0	Medium
32	Hoosier Crost Hybrid 840	87.5	87.3	.3	17.7	89.5	103.0	98.4	Medium
	Farmeraft Hybrid 88		86.0	1.3	17.5	84.2	96.9	97.0	Medium
34 34	Crow Hybrid 608	86.7	86.4	.4	15.9	91.6	105.4	97.4	Medium
36	Pioneer Hybrid 336Illinois Hybrid 21	86.5	86.2 84.9	.6 1.8	16.5 18.5	86.1 94.8	99.1 109.1	97.2 95.7	Medium Medium
37	Miller Hybrid 26	86 1	85.9	.3	16.0	90.4	104.5	96.8	Medium
38	Hoosier Crost Hybrid F-169		85.6	.3	16.0	89.4	102.9	96.5	M-low
38	Hoosier Crost Hybrid 505(W)	85.9	84.4	1.7	17.3	77.8	89.5	95.2	Medium
40	Pioneer Hybrid 313D	85.7	85.3	.5	16.5	82.1	94.5	96.2	M-low
41	Hoosier Crost Hybrid 668	85.0	84.8	. 2	16.6	89.5	103.0	95.6	M-low
42	Hoosier Crost Hybrid 746		84.5	. 4	17.1	91.9	105.8	95.2	Medium
13	Pioneer Hybrid 300		82.8	1.9	19.2	86.8	99.9	93.3	Medium
14 15	Illinois Hybrid 126 DeKalb Hybrid 922(W)		80.5 80.3	2.8	17.0	85.0	97.8	90.8	Medium
45 46	DeKalb Hybrid 919(W)		78.1	.5 .5	20.0 18.7	84.3 86.8	97.0 99.9	90.5 88.0	M-high Medium
								00.0	Medium
	Average of all entries	89.5	88.7	.83	17.7	86.9			

A difference of less than 5.1 bushels between total yields of any two entries in this table is not significant.

Table 15.—SOUTHERN ILLINOIS: Alhambra, 1944

		Acre	-yield	Damage	d Mois- ture in	Erect	Rating	g for—	Test -weight	Compara-
Ra	nk Entry	Total		- shelled	grain at harvest	plants	Erect plants	Sound yield		height of ear
1 2 3 4 5 6 7 8 9	Illinois Hybrid 200 Illinois Hybrid 1243 Pfeifer Hybrid A-140-1. Kansas Hybrid 2234(W). U. S. Hybrid 13. Miller Hybrid 1050(W). Funk Hybrid G-80. Illinois Hybrid 206. Kansas Hybrid 1583. Henley-Whisnand Hybrid 917(W)	46.5 45.1 43.2 42.4 42.0 39.7 38.2 38.1	bu. 46.9 46.1 44.6 42.8 42.2 40.5 39.1 37.8 37.8	perct. 1.6 .9 1.2 1.0 .4 3.6 1.5 1.0 1.8	perct. 13.4 16.2 12.1 17.5 13.1 13.9 13.7 13.4 16.8	perct. 63.3 51.6 55.8 52.5 80.8 75.0 77.5 70.0 50.8	perct. 90.7 73.9 79.9 75.2 115.8 107.4 111.0 100.3 72.8	perct. 143.9 141.4 136.8 131.3 129.4 124.2 119.9 116.0	lb. 58.0 58.3 58.4 58.0 57.9 56.8 58.1 59.4 56.7	M-low Medium Medium Medium M-high Medium M-low Medium M-high
11 12 13 14 14 16 17 18 19 20	Kansas Hybrid 2275(W) Pfeifer Hybrid A-243 Illinois Hybrid 804 Pioneer Hybrid 304 De Kalb Hybrid 888. Illinois Hybrid 8877. Crow Hybrid 607. Kansas Hybrid 1585 Funk Hybrid 6527(W). Hoosier Crost Hybrid 1005.	. 37.1 . 36.3 . 36.1	37.6 37.0 36.2 36.1 36.0 35.8 34.0 35.3 35.1	.4 .2 .4 0 .4 .2 4.6 .7 .4	14.4 15.8 13.5 13.1 14.7 16.5 14.2 15.4 13.4	58.3 55.0 50.0 90.8 76.6 49.1 73.3 55.8 60.8 32.5	83.5 78.8 71.6 130.0 109.7 70.3 105.0 79.9 87.1 46.6	115.3 113.5 111.0 110.7 110.4 109.8 104.3 108.3 107.7 106.1	58.1 58.0 58.0 55.7 58.9 57.9 57.9 56.7 56.3 58.3	Medium Medium Medium M-low Medium M-low Medium Medium Medium
21 22 22 24 24 26 27 28 29 30	Illinois Hybrid 2059(W) Illinois Hybrid 448 Lowe Hybrid 840 llinois Hybrid 201 Lowe Hybrid 855(W) Funk Hybrid G-125 Iowealth Hybrid 29A Embro Hybrid 1001 Pfister Hybrid 1823 Hoosier Crost Hybrid F-169	. 34.4 . 34.2 . 34.2 . 34.0 . 33.7	34.4 34.2 34.1 34.0 33.9 33.5 33.2 32.9 32.5	.4 .6 .8 .3 .5 .4 .6 .9	14.4 15.7 12.8 12.6 16.0 12.8 12.2 16.5 12.8	78.3 52.5 82.5 89.1 62.5 60.0 77.5 59.1 80.0 85.8	112.1 75.2 118.2 127.6 89.5 86.0 111.0 84.7 114.6 122.9	105.5 104.9 104.6 104.6 104.3 104.0 102.8 101.8 100.9 99.7	54.7 57.7 54.3 55.0 56.3 59.4 56.7 56.3 57.1 55.6	Medium Medium Medium M-low Medium M-low Medium Medium Medium
31 32 33 34 35 36 37 38 38 40	Illinois Hybrid 784	. 32.4 . 32.2 . 31.7 . 31.2 . 30.9 . 30.8	32.4 32.3 32.1 31.4 30.9 30.8 30.7 30.5 30.3 29.9	.4 .4 .2 .9 1.1 .4 .2 .2	15.6 13.3 13.7 13.7 14.3 12.8 13.8 13.7 14.7	55.8 74.1 69.1 71.6 80.0 75.8 86.3 81.6 81.6	79.9 106.2 99.0 102.6 114.6 108.6 123.6 116.9 116.9 121.8	99.4 99.5 98.5 96.3 94.8 94.5 94.2 93.6 92.9 91.7	58.2 56.0 58.2 55.6 52.1 57.3 56.9 53.4 56.3 54.0	Medium M-low M-low Medium M-low Medium M-low M-low M-low Medium M-low
41 42 42 44 45 46 47 48	Pfister Hybrid 610(W), Pfister Hybrid 7892 Farmcraft Hybrid 88. Pioneer Hybrid 313D. Illinois Hybrid 2077(W) Embro Hybrid 1020 Pioneer Hybrid 300 Henley-Whisnand	. 29.6 . 29.6 . 29.4 . 29.3 . 29.2 . 28.9	29.6 29.6 29.4 29.2 29.2 29.2 28.9	1.0 .1 .7 .8 .3 .1	13.1 12.8 13.7 14.1 13.7 14.4 11.3	60.0 83.3 81.6 65.0 65.8 78.3 85.8	86.0 119.3 116.9 93.1 94.3 112.2 122.9	90.8 90.2 89.6 89.6 89.6 89.6	55.9 57.2 56.3 52.8 58.3 54.3 54.7	M-high M-low M-low M-low Medium Low Medium
49 50	Hybrid 901(W)	28.7 28.3 26.9	27.6 28.2 26.7	3.8 .4 .6	14.1 12.0 12.6	70.0 77.5 70.0	100.3 111.0 100.3	84.7 86.5 81.9	57.0 55.4 55.4	Medium M-low M-low
51 52 52 54 54 56 57 58 59 60	Funk Hybrid G-94. Pfister Hybrid 164. National Hybrid 134. Farmcraft Hybrid 133(W). Illinois Hybrid 126. Hoosier Crost Hybrid 746. Pfister Hybrid 1897. Pfister Hybrid 612(W). Funk Hybrid G-708. Funk Hybrid G-706.	26.8 26.3 26.3 26.2 26.2 26.0 25.6 24.0	26.7 26.2 26.2 25.8 25.8 25.9 25.6 23.9 22.1	.5 .2 .4 1.4 1.6 .2 .1 .3	13.7 13.2 14.1 17.3 14.9 14.4 12.5 13.9 16.5	76.6 71.6 71.3 75.8 68.3 68.3 79.1 80.8 66.4 63.3	109.7 102.6 102.1 108.6 97.8 97.8 113.3 115.8 95.1	81.9 80.4 80.4 79.1 79.1 79.4 78.5 73.3 67.8 62.6	55.1 57.5 56.7 55.7 55.7 55.7 56.3 56.5 56.7	M-low M-low M-low Medium M-low Low M-low Medium M-high M-high
57 58 59	Pfister Hybrid 1897 Pfister Hybrid 612(W) Funk Hybrid G-708	25.6 24.0 22.1 20.4	25.6 23.9 22.1	.1	12.5 13.9 16.5	79.1 80.8	113.3 115.8 95.1	78 73 67	.5 .3 .8	.5 56.3 .3 56.5 .8 56.7 .6 59.6

A difference of less than 9.1 bushels between total yields of any two entries in this table is not significant.

Table 16.—SOUTHERN ILLINOIS: Alhambra Summary, 1943 and 1944

		Acre	-vield	Damage	d Mois- ture in	Erect :		g for—	Compara-
Ran	nk Entry		Sound	-shelled	grain at harvest			Sound yield	height of ear
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Illinois Hybrid 1243	50.7	50.4	.6	16.7	73.9	91.6	129.6	Medium
2	Illinois Hybrid 200	50.2	49.7	1.0	13.9	77.3	95.8	127.8	M-low
3	Kansas Hybrid 2275(W)	49.0	48.9	.3	15.6	69.8	86.5	125.7	Medium
4	Kansas Hybrid 2234(W)		46.0	.6	17.9	70.4	87.2	118.3	Medium
5 6	Funk Hybrid G-80 Kansas Hybrid 1583		45.7 44.6	$\frac{1.0}{1.1}$	16.8 19.9	$\frac{88.3}{73.7}$	109.4 91.3	117.5 114.7	Medium Medium
7	Illinois Hybrid 784		43.7	.4	18.1	73.7	91.3	114.7	Medium
8	Henley-Whisnand Hybrid 917(W)	43.5	43.3	.5	17.3	71.3	88.4	111.3	M-high
ŏ	U. S. Hybrid 13		42.5	.5	13.2	87.5	108.4	109.3	Medium
10	Illinois Hybrid 804		42.5	. 3	15.4	71.5	88.6	109.3	Medium
10	Illinois Hybrid 877		42.5	.2	16.8	67.6	83.8	109.3	Medium
12	Funk Hybrid G-125	42.2	42.1	.3	15.0	78.8	97.6	108.2	M-high
13	DeKalb Hybrid 922(W)	41.1	40.9	.5	15.0	76.3	94.5	105.1	Medium
14	Miller Hybrid 1050(W)		40.1	2.1	15.9	79.0	97.9	103.1	M-high
15 16	Crow Hybrid 607		39.9 40.4	2.4 .5	15.0 14.7	85.7 84.6	106.1 104.8	102.6 103.9	M-low Medium
17	Pfister Hybrid 1823		40.3	.5	13.7	88.8	110.0	103.6	Medium
18	Illinois Hybrid 2059(W)		39.5	.4	16.0	81.7	101.2	101.5	Medium
19	Kansas Hybrid 1585		39.2	.ŝ	17.2	75.4	93.4	100.8	Medium
20	Crow Hybrid 805	39.3	39.2	.3	13.2	87.9	108.9	100.8	M-low
21	Illinois Hybrid 713	39.0	38.9	.4	14.8	85.6	106.1	100.0	M-low
22	Iowealth Hybrid 29A		38.4	.5	13.5	80.3	99.5	98.7	M-low
23	Funk Hybrid G-527(W)		38.4	. 2	15.7	72.5	89.8	98.7	Medium
24	DeKalb Hybrid 816		37.6	.3	14.3	92.3	114.4	96.7	M-low
25	Illinois Hybrid 201		36.6	.4	13.7	92.1	114.1	94.1	M-low
26 27	Hoosier Crost Hybrid 840 Farmcraft Hybrid 133(W)	36.0	36.3 35.8	.6 .8	14.5 16.5	$\frac{92.0}{72.9}$	$\frac{114.0}{90.3}$	93.3 92.0	M-low Medium
28	Lowe Hybrid 840		35.5	.5	13.7	87.1	107.9	91.3	Medium
28	DeKalb Hybrid 919(W)	35.7	35.5	.7	16.3	85.4	105.8	91.3	M-low
30	Henley-Whisnand Hybrid 901 (W)	35.1	34.5	2.2	16.8	78.0	96.7	88.7	Medium
31	Pioneer Hybrid 332	35.0	34.8	.6	16.0	87.5	108.4	89.5	Medium
32	Farmcraft Hybrid 88		34.0	1.0	14.2	85.3	105.7	87.4	M-low
33	Illinois Hybrid 2077(W)		34.0	.4	14.4		92.2	87.4	Medium
34	Pfister Hybrid 1897		33.8	.2	13.3	87.1	107.9	86.9	M-low
35	Pioneer Hybrid 336		33.1	.3	13.7	85.4	105.8	85.1	Medium
36	Illinois Hybrid 126		32.1	1.2	15.2	77.9	96.5	82.5	M-low
37 38	Hoosier Crost Hybrid 746 Pioneer Hybrid 300	32.2	$\frac{32.1}{32.0}$.3	15.0 13.2	$82.3 \\ 90.8$	89.6 112.5	$82.5 \\ 82.3$	Low Medium
39	Pioneer Hybrid 313D		31.3	.6	14.8	80.6	99.9	80.5	M-low
40	Pfister Hybrid 164		29.6	.5	14.7	85.3	105.7	76.1	M-low
						00.0			2.2 2011
	Average of all entries	39.1	38.9	. 65	15.3	80.7			

Table 17.—EXTREME SOUTHERN ILLINOIS: Dixon Springs Bottomland, 1944

	В.	ottom	and, i	277				
Rani	k Entry -	Acre	-yield Sound	– shelled	ture in grain at	Erect plants	Rating for sound yield	Compara- tive height of ear
2 3 4 5 6 7 8 9	Illinois Hybrid 2120(W). Funk Hybrid 2119(W). Hloosier Crost Hybrid 707(W). Henley-Whisnand Hybrid 905(W). Kansas Hybrid 2275(W). Farmcraft Hybrid 133(W). Illinois Hybrid 2077(W). Illinois Hybrid 784 (Pfeifer). Illinois Hybrid 2059(W).	bu. 64.6 63.0 59.2 58.2 58.1 58.0 57.2 57.1 57.0 56.8	bu. 63.7 62.3 58.1 57.9 57.8 54.7 56.6 56.9 55.0 56.3	perct. 1.4 1.6 1.9 .6 .5 5.7 1.0 .4 3.5 .8	percl. 18.6 27.0 19.5 19.8 20.8 19.5 22.7 21.0 19.3 18.5		perct. 134.4 131.4 122.6 122.2 121.9 115.4 119.4 120.0 116.0 118.8	M-high M-high M-high M-high M-high M-high M-high M-high Medium M-high
12 13 14 15 16 17 18 19	Illinois Hybrid 200-1 Illinois Hybrid 126 Lowe Hybrid 855(W) Illinois Hybrid 713 Illinois Hybrid 448 Miller Hybrid 1050(W) Pioneer Hybrid 304 Pioneer Hybrid 313D Henley-Whisnand Hybrid 917(W) Henley-Whisnand Hybrid 834	56.3 56.0 55.3 55.1 53.9 53.4 53.2 52.9 52.5 51.7	55.2 54.9 54.7 53.4 52.9 52.2 52.7 51.8 49.4	2.0 2.0 .8 .8 1.0 1.0 1.8 .4 1.4	20.1 18.5 20.3 20.6 19.2 20.0 21.0 23.7 20.6 20.9	NT ERECT	116.5 115.8 115.8 115.4 112.7 111.6 110.1 111.2 109.3 104.2	M-high Medium Medium M-high Medium Medium Medium Medium M-high M-high
22 22 22 25 26 27 28 28	Illinois Hybrid 1239 Illinois Hybrid 2019B(W) Funk Hybrid G-135 Illinois Hybrid 804 Kansas Hybrid 1585 DeKalb Hybrid 888 Funk Hybrid G-125 Kansas Hybrid 1583 Pioneer Hybrid 336 Pioneer Hybrid 336	51.3 51.0 51.0 51.0 50.9 50.3 49.2 49.1 49.1	49.0 50.6 50.6 47.9 50.5 49.8 48.5 48.3 47.4	4.5 .7 .8 6.0 .8 1.5 1.6 3.5 4.4	19.3 21.4 23.5 17.7 20.8 19.9 18.6 23.1 20.0 16.5	PRACTICALLY 100-PERCENT	103.4 106.8 106.8 101.1 106.5 105.1 102.3 101.9 100.0 98.3	M-high Medium M-high M-high M-high Medium M-high Medium Medium
	Illinois Hybrid 1233. Kansas Hybrid 2234(W) Fioneer Hybrid 332. Illinois Hybrid 1238B Funk Hybrid 6-90. Embro Hybrid 1001. Illinois Hybrid 200. DeKalb Hybrid 922(W) Kelly Hybrid K-99. Lowe Hybrid 840.	48.2 48.1 48.1 47.9 47.5 47.3 46.6 46.3 46.0	47.0 47.0 46.1 45.6 47.4 46.6 45.1 46.1 43.4	2.5 2.8 4.2 5.1 1.0 1.8 4.6 1.0 6.8 3.0	19.9 22.1 19.8 20.1 21.6 22.2 21.7 20.5 17.8 19.0	ENTRIES WERE PRACTI	99.2 99.2 97.3 96.2 100.0 98.3 95.1 97.3 91.6 94.1	Medium M-high Medium Medium Medium Medium Medium Medium Medium
41 42 42 44 44 46 47	Hoosier Crost Hybrid 746. Embro Hybrid 1020. Lowealth Hybrid 25A. U. S. Hybrid 13. Illinois Hybrid 784. Pfeifer Hybrid A-140-1 Farmcraft Hybrid 88. Illinois Hybrid 1233-1 Illinois Hybrid 2133-1 Illinois Crost Hybrid 840.	45.9 45.0 44.2 44.2 43.8 43.2 43.0 42.2 41.5	43.1 43.7 43.7 43.3 43.0 42.2 41.6 42.0 41.4 39.1	6.0 2.8 2.8 2.1 2.7 3.6 3.6 2.4 1.8 5.9	17.6 19.2 19.3 19.2 21.2 20.5 18.7 21.6 18.3 18.4	ALL ENTRI	90.9 92.2 92.2 91.4 90.7 89.0 87.8 88.6 87.3 82.5	Medium M-low Medium Medium M-high Medium Medium Medium Medium
52 53 54 55 56 57 58 59	Funk Hybrid G-527(W). Illinois Hybrid 877. Pfeifer Hybrid A-243. Kelly Hybrid K-374. Illinois Hybrid 1257. Miller Hybrid 26. DeKalb Hybrid 816. DeKalb Hybrid 619(W). Funk Hybrid G-708. Funk Hybrid G-706.	40.8 40.6 39.5 39.2 38.2 38.0 37.9 35.5 30.2 28.8	40.1 40.2 38.7 37.5 37.7 37.2 35.7 35.1 29.7 28.7	1.8 1.1 1.9 4.4 1.4 2.0 5.9 1.0	22.1 21.0 22.2 17.6 18.5 23.2 19.1 19.8 28.9 22.2		84.6 84.8 81.6 79.1 79.5 78.5 75.3 74.1 62.7 60.5	Medium M-high M-high Medium Medium Medium Medium Medium Medium Medium
	Average of all entries	48.5	47.4	2.4	20.4			

A difference of less than 9.1 bushels between total yields of any two entries in this table is not significant.

Table 18.—EXTREME SOUTHERN ILLINOIS: Dixon Springs Bottomland, Summary for 1943 and 1944

		Acre	e-vield	Damage corn in	d Mois- ture in	Erect		g for—	Compar
Ran	k Entry	Total	Sound	-shelled	grain at harvest			Sound yield	height of ear
		bu.	bu.	perct.	perct.	perct.	perct.	perct.	
1	Funk Hybrid G-711	66.6	65.6	1.8	28.9	97.5	100.0	129.4	M-high
2	Kansas Hybrid 2275(W)	62.1	60.2	3.2	21.9	94.2	96.6	118.7	M-high
3	Illinois Hybrid 2119(W)		60.5	2.5	22.3	98.3	100.8	119.3	M-high
4	Illinois Hybrid 2120(W)		59.9	1.2	23.1	97.9	100.4	118.1	M-high
5	Illinois Hybrid 2077(W)		58.1	1.0	22.6	96.3	98.8	114.6	Mediu
5	Hoosier Crost Hybrid 707(W)		57.8	1.3	22.7	98.3	100.8	114.0	Mediu
7 8	Farmcraft Hybrid 133(W)		57.8	1.2	23.1	97.5	100.0	114.0	M-high
ŝ	Henley-Whisnand Hybrid 917(W) Illinois Hybrid 2059(W)		57.5 55.6	$\frac{1.4}{2.6}$	23.5 20.9	97.5 96.7	100.0 99.2	113.4 109.7	M-high Mediu
io	Kansas Hybrid 1583		54.5		25.1	97.5	100.0	107.5	M-high
·	Ransas Hybrid 1363	30.1	34.3	2.1	7.23.1	91.3	100.0	107.3	M-mg
.1	Kansas Hybrid 2234(W)	55.3	54.2	2.3	24.6	98.8	101.3	106.9	M-high
2	Illinois Hybrid 2019B(W)		53.8	1.1	22.6	98.3	100.8	106.0	Mediu
3	Kansas Hybrid 1585	54.2	53.3	1.6	23.9	99.6	102.2	105.1	M-high
3 5	Pioneer Hybrid 332	54.2	52.4	3.4	20.6	98.8	101.3	103.4	Mediu
5 6	Illinois Hybrid 126Illinois Hybrid 1239	54.1	53.1 52.1	$\frac{1.9}{3.5}$	$\frac{20.0}{21.2}$	97.1 98.8	99.6 101.3	104.7 102.8	M-low Mediu
7	Illinois Hybrid 713		53.0	1.4	21.2	97.1	99.6	104.5	Mediu
8	Illinois Hybrid 877		52.6	1.1	22.4	93.8	96.2	103.7	M-hig
ŏ	Miller Hybrid 1050(W)	52.9	52.3	1.2	22.8	97.9	100.4	103.2	Mediu
9	Funk Hybrid G-135	52.9	52.1	1.6	25.9	98.3	100.8	102.8	M-high
1	Illinois Hybrid 804	52.5	50.5	3.9	20.3	98.8	101.3	99.6	Mediu
2	Illinois Hybrid 1238B		49.6	4.0	21.8	97.1	99.6	97.8	Mediu
3	DeKalb Hybrid 888	51.5	50.9	1.2	22.1	99.2	101.7	100.4	Mediu
4	Funk Hybrid G-90		50.6	1.4	23.6	96.3	98.8	99.8	Mediu
5	Funk Hybrid G-125	51.1	50.5	1.3	20.7	99.2	101.7	99.6	M-hig
6	DeKalb Hybrid 922(W)	50.6	49.7	1.7	20.8	97.1	99.6	98.0	Mediu
7	lowealth Hybrid 25A	50.1	49.0	2.2	22.6	99.2	101.7	96.6	M-hig
8 9	Pioneer Hybrid 300		47.5 47.9	$\frac{4.1}{1.7}$	19.9	97.5 92.1	100.0 94.5	93.7 94.5	M-low M-high
ó	Funk Hybrid G-527(W)		46.9	3.1	23.6 20.7	94.2	96.6	92.5	Mediu
1	Illinois Hybrid 200	47 Q	46.1	3.5	21.3	97.5	100.0	90.9	Medin
2	Pioneer Hybrid 313D		47.2	1.1	22.3	97.8	100.3	93.1	M-low
3	Hoosier Crost Hybrid 840	47.4	45.4	4.5	20.6	98.8	101.3	89.5	M-low
4	Illinois Hybrid 1233	46.8	45.4	3.1	21.6	98.8	101.3	89.5	Mediu
5	Illinois Hybrid 784	46.3	45.3	2.1	24.1	96.3	98.8	89.3	Mediu
6	DeKalb Hybrid 816	45.1	43.5	4.0	18.5	97.9	100.4	85.8	Mediu
7	Lowe Hybrid 840		44.0	2.2	22.7	98.3	100.8	86.8	M-low
8	U. S. Hybrid 13	44.8	44.0	1.9	20.0	97.5	100.0	86.8	M-low
9	Pioneer Hybrid 336		42.7	3.3	18.7	99.2	101.7	84.2	M-low
0	Hoosier Crost Hybrid 746	43.4	41.6	4.1	19.0	97.9	100.4	82.1	M-low
2	Miller Hybrid 26	40.1	39.0	2.7	21.8	95.0	97.4	76.9	M-low
4	DeKalb Hybrid 919(W)	33.8	35.1	1.7	21.1	97.9	100.4	69.2	M-low
	Average of all entries	51.8	50.7	2.3	22.1	97.5			

A difference of less than 8.3 bushels between total yields of any two entries in this table is not significant.

Table 19.—EXTREME SOUTHERN ILLINOIS: Dixon Springs Upland, 1944

		Acre-vield		Damage			Rating for—		Compara- tive
Ran	k Entry	ACIO	-yieiu		grain at				height
		Total	Sound		harvest		plants'		of ear
		bu.	bu.	perct.	perct.	perci.	perci.	perci.	
1	Kansas Hybrid 2275(W)	30.0	28.9	3.6	19.0	98.3	98.7	137.6	Medium
2	Illinois Hybrid 200-1		28.8	3.6	16.7	100.0	100.4	137.1	Medium
3	Pioneer Hybrid 332		28.3	5.0	19.1	100.0	100.4	134.8	Medium
	Kansas Hybrid 2234(W)		25.8	.9	19.5	100.0	100.4	122.9	M-high
5	Illinois Hybrid 2059(W)	25.9	24.8	4.1	16.4	100.0	100.4	118.1	M-high
	Illinois Hybrid 1233-1		22.7	3.8	17.7	100.0	100.4	108.1	Medium
	Illinois Hybrid 200		20.6	4.8	17.5	100.0	100.4	98.1	M-high
8	Illinois Hybrid 2119(W)	20.9	19.8	5.2	16.0	98.3	98.7	94.3	M-high
	Henley-Whisnand Hybrid 917(W)		19.5	1.7	17.3	100.0	100.4	92.9	M-high
10	Illinois Hybrid 877	19.6	18.9	3.4	18.1	100.0	100.4	90.0	Medium
11	Illinois Hybrid 2077(W)	18.2	16.9	7.2	17.5	98.3	98.7	80.5	Medium
12	Kansas Hybrid 1585	16.9	15.8	6.3	19.8	100.0	100.4	75.2	Medium
	Kansas Hybrid 1583		15.1	5.4	18.4	100.0	100.4	71.9	M-high
	Funk Hybrid G-711		8.5	4.8	23.5	100.0	100.4	40.5	M-high
	Average of all entries	22.0	21.0	4.3	18.3	99.6			

A difference of less than 9.1 bushels between total yields of any two entries in this table is not significant.

SOIL ADAPTATION TEST

The same nine double-cross hybrids that were tested at Urbana on soils of different productive levels in 1943 were tested again in 1944 in the same way (Table 20).

Soils. The two areas used for the tests are on the Agronomy south farm and differ in productivity as a result of long-continued use of different cropping systems. In the Southwest rotation a high state of productivity has been maintained by a systematic rotation of corn, oats, clover hay, and wheat with a red-clover catch crop. The South-Central area has been depleted of fertility by a rotation of corn, corn, corn, and soybeans. Both fields have received manure and phosphate. The predominating soil type on both fields is Sidell silt loam.

Season. Heavy spring rains delayed planting in 1944 as in 1943. The highly productive plot was planted on May 27, the less productive plot on June 7. Conditions after planting were generally favorable altho rainfall was below average thru July and August. Harvesting was delayed until the latter part of November.

1944 results. On the more productive field the average yield was 109.8 bushels an acre; on the less productive field it was only 54.8 bushels, just half as much (*Table 20*). The high yield is 9 bushels above and the low yield 10 bushels below comparable 1943 yields.

Contrary to previous tests, these nine hybrids in 1944 ranked the same on both fields. Illinois 972-1 and 246 were at the top, as they were on the more productive plots in 1943. The three less adapted hybrids, Illinois 784, 751, and 101, were the three low-ranking entries on both fields. Illinois 784 is

Damaged Mois-

Pating for

Table 20.—SOIL ADAPTATION TEST: Central Illinois, Urbana

		Acre	-vield	corn in	ture in	Erect	Natin	g 101—
Ran	k Entry	Total	Sound	- shelled sample	grain at	plants	Erect plants	Sound yield
	HIGHLY PRODUCTIV					am sligh	tly	
		bu.	bu.	perct.	perct.	perct.	perct.	perct.
1	Illinois Hybrid 972-1	115.9	114.6	1.1	18.2	79.7	100	105
2	Illinois Hybrid 246		114.6	.6	19.5	78.2	98	105
	Illinois Hybrid 21		112.6	1.3	18.7	87.6	110	103
4	U. S. Hybrid 13	112.9	111.9	.9	18.9	76.9	96	103
5	Illinois Hybrid 201	111.2	109.3	1.7	18.4	76.0	95	100
6	Illinois Hybrid 206		108.8	.9	18.6	76.8	96	100
7	Illinois Hybrid 784	105.6	105.1	. 5	21.1	63.2	79	97
8	Illinois Hybrid 751	102.2	101.7	.5	19.0	93.0	117	93
9	Illinois Hybrid 101	100.8	100.4	. 5	16.7	86.3	108	92
	Average		108 8	0	18 8	79 7		

A difference of less than 3.5 bushels between total yields of any two of the above entries is not significant.

	MEDIUM PRODUCTIV rolling phase					am sligh	tly	
1	Illinois Hybrid 972-1	58.9	58.5	.7	19.9	60.4	89	108
2	Illinois Hybrid 246	58.4	57.9	.9	21.1	55.8	82	107
3	Illinois Hybrid 21	58.1	57.4	1.2	20.6	78.1	115	106
4	U. S. Hybrid 13	57.8	56.2	2.7	20.9	72.3	107	104
5	Illinois Hybrid 201	57.1	56.3	1.4	19.8	66.7	98	104
5	Illinois Hybrid 206	57.1	56.6	.8	20.9	76.6	113	105
7	Illinois Hybrid 784	50.9	50.6	.5	22.1	57.9	85	94
7	Illinois Hybrid 751	50.9	50.0	1.7	20.0	77.4	114	92
ġ	Illinois Hybrid 101	44.5	43.8	1.6	19.7	64.9	96	81
-	Average	54.8	54.1	1.3	20.5	67.8		

A difference of less than 4.6 bushels between total yields of any two of the above entries is not significant.

very late-maturing for the central region of Illinois. Illinois 751 and 101 are much too early for the region of this test.

Between the six top-ranking adapted hybrids on the less productive plots there was a maximum difference of only 1.9 bushels an acre. On the more productive field the range was 6.1 bushels. There is thus very little reason, so far as yields are concerned, for choosing one of these hybrids over another. Differences in the percentage of erect plants are, however, very striking. In both tests Illinois 21 ranked highest in erect plants. Illinois 246 ranked relatively high on the better soil but went to the bottom of the list on the less productive field. On the more productive field 79.7 percent of the plants were erect; on the poorer field only 67.8 percent were erect. Thus physical factors other than yield need to be considered when judging of the adaptability of a hybrid to its environment.

Damage in the Southwest rotation area was due mostly to stalk breakage caused by the corn borer. In the South-Central area damage was due to lodging caused by rootworm injury.

The average of two years' results are given in Table 21.

Table 21.—TWO-YEAR AVERAGE SOIL ADAPTATION TESTS: Central Illinois, Urbana

Rank	To-Arm	Acre	-yield	Damaged corn in shelled	Mois- ture in grain a
Cank	Entry	Total	Sound	sample	harves
	HIGHLY PRODUCTIVE Sophase, and Flanagan		t Loam, gen hwest rotation		
		bu.	bu.	perct.	perct.
1	Illinois Hybrid 972-1	111.2	109.9	.9	17.0
2	Illinois Hybrid 246	110.2	109.7	. 5	18.7
3	Illinois Hybrid 21	108.5	107.4	1.0	18.4
4	U. S. Hybrid 13	108.3	107.5	1.8	18.4
5	Illinois Hybrid 201	108.1	106.7	1.3	18.5
6	Illinois Hybrid 206	105.8	105.0	<u>7</u>	17.8
7	Illinois Hybrid 784	104.2	103.6	. 7	21.4
8	Illinois Hybrid 751		96.1	.4	18.2 16.1
9	Illinois Hybrid 101	94.6	94.2	. 3	10.1
,	A difference of less than any two of the abo MEDIUM PRODUCTIVI rolling phase (ove entries is no	silt Loam,		
1	Illinois Hybrid 21	63.0	62.3	1.1	18.2
2	Illinois Hybrid 972-1	62.9	62.4	.6	18.0
	Illinois Hybrid 201	62.1	61.3	1.3	17.4
4	Illinois Hybrid 206	61.1	60.6	.9	18.7
5	Illinois Hybrid 246		60.4	.8	18.6
6 7	U. S. Hybrid 13	60.1	62.4	` 2.0	18.9
	Illinois Hybrid 784	59.9	59.5 55.6	.6 1.1	20.6 17.5
	Illinois Hybrid 751		55.0 48.1	1.1	17.3
8					
	Illinois Hybrid 101	49.2			

INTERPRETING RESULTS

A two-year test of any crop is of course a better basis for judging of its merit than a single year's record. For about two-thirds of the hybrids in the 1944 tests two-year summaries are given consolidating 1943 and 1944 results. Should a hybrid prove superior thru two years on more than one field, it may be considered not only high yielding but also wide in adaptation.

Yield of grain, while used as a basis for rating the hybrids in these tests, is not the only characteristic to consider when appraising a hybrid. Days required to reach maturity, resistance to ear rots, and ability to stay erect until harvest are also important. Even tho some of the fields in these tests were planted late and the grain, therefore, was not fully dry when harvested, the relative moisture content of one hybrid when compared with the others gives a good measure of its maturity.

The height at which the ear is borne on the stalk determines a hybrid's suitability for hand husking and also affects lodging resistance. This characteristic is influenced greatly by genetic constitution, soil fertility, and seasonal conditions.

Very few dropped ears were found in the 1944 test fields—so few that the records were not considered worth publishing.

SUMMARY

A total of 237 corn hybrids were tested on seven fields in Illinois in 1944. Nine of these hybrids were included in an additional test to determine their response to soils of two different levels of productivity. Eighteen hybrids were tested for their response to seed treatment and their resistance to ear rot. Wet weather delayed corn planting, yet good stands were obtained on all the test fields. The results of these tests were briefly as follows:

- 1. The field having the highest average yield, 91.6 bushels an acre, was the one at Sullivan in Moultrie county in south-central Illinois. The average acre-yields of the other test fields were: Galesburg, 91.2 bushels; Mt. Morris, 89.1 bushels; Milford, 88.0 bushels; Dixon Springs, bottomland, 48.5 bushels; Alhambra, 32.9 bushels; and Dixon Springs, upland, 22.0 bushels. The average yield of corn for all seven fields was 66.2 bushels an acre, which contrasts with 45 bushels as the average for the state as a whole. (The locations of these fields are shown in Table 1, page 456, and in the map on the front cover.)
- 2. The general level of yields on all the fields, considering the conditions of the test, clearly indicates that most commercial seedsmen are producing high-yielding hybrid seed corn.
- 3. The few white hybrids tested in northern and north-central Illinois did not yield well in comparison with the yellow hybrids; but in south-central, southern, and extreme southern Illinois a number of them appeared to be very well adapted.
- 4. Chinch bugs did more damage to corn than any other insect in 1944. Damage on the Alhambra field is reflected in the lighter test weights of some of the hybrids.
- 5. For the Sullivan field in Moultrie county in south-central Illinois, records were made of lodging that resulted from the feeding of the corn rootworm. From 4.3 to 45.7 percent of the plants lodged 30 degrees or more from this cause, tho comparatively few hybrids developed the more severe lodging.
- 6. Stalk-breaking caused by infestation with the European corn borer was recorded for the Mt. Morris field in Ogle county in northern Illinois and for the Milford field in Iroquois county in east north-central Illinois. Appreciable amounts of lodging due to borer attack were found on both fields, but there was considerably less lodging at Mt. Morris.
- 7. Corn earworm feeding was severe on the Robbs field at Dixon Springs in Pope county in the extreme southern part of Illinois. The comparatively high percentage of damaged corn on this field was due

to ear rot fungi which invaded the kernels that had been injured by earworms.

- 8. Losses from diseases were, in general, about average in 1944. No one disease was especially outstanding.
- 9. Seed of 18 hybrids treated with Arasan gave yields 3.2 bushels an acre above the average of untreated seed. Damage from kernel rot in these same hybrids ranged from 3.37 to 7.72 percent.
- 10. The same nine double-cross hybrids tested on soils of two different levels of productivity in 1943 were tested again under similar conditions in 1944. The average yield of the hybrids on the soil of high productivity was 109.8 bushels an acre, while it was only 54.8 bushels on the soil of medium productivity. Contrary to previous tests, all nine hybrids ranked, on the basis of total yield, in the same order on both fields. There was very little difference between the yields of the six adapted hybrids on either field. The three hybrids less well adapted to central Illinois—namely, Illinois 784, 751, and 101—were the three low-yielding hybrids on both fields.

The two-year averages of the results on these two fields show for Illinois 246 a significant difference in relative ranking on the two fields. This hybrid yielded relatively high on the highly productive soil and comparatively low on the medium productive soil.

Following is a partial list of Experiment Station and U. S. hybrids. The performance of those that are starred is shown in this bulletin.

PEDIGREES OF HYBRIDS

```
*III. 21 . . . . (WF9 \times 38-11) (Hy \times 187-2)
                                                                                            III. 863... (R4 ×Hy) (K4 × L317)
    III. 23 . . . . (A \times Tr) (R4 \times Hy)
                                                                                          *III. 877.....(R4 \times Pr) (K4 \times L317)
    III. 29 . . . . (A \times 90) (R4 \times Hy)
                                                                                            III. 885A.....(R4 \times 38-11) (K4 \times L317)
   III. 53 . . . . (WF9 \times M14) (Pr \times I205)
                                                                                            III. 899... (CC5 × CC7) (R4 × WF9)
                                                                                          *III. 944... (WF9 × Hy) (R4 × L317)

*III. 960... (R4 × Hy) (701 × L317)

*III. 972-1. (WF9 × Hy) (O7 × L317)

*III. 1091A. (WF9 × M14) (Hy × 187-2)
   III. 99 . . . . (CC5 \times CC7) (WF9 \times CC1)
  *III. 101 . . . (WF9 \times M14) (CC7 \times 187-2)
   III. 105...(38-11 \times \text{Kys}) (G \times \text{L}317)
                                                                                        *III. 126 . . . (WF9 × 38-11) (Tr × L317)
III. 139 . . . (WF9 × 38-11) (R4 × L317)
*III. 126 ... (WF9 × 38-11) (Tr × L317)
III. 139 ... (WF9 × 38-11) (R4 × L317)
III. 172 ... (R4 × Hy) (A × 540)
*III. 200 ... (WF9 × 38-11) (K4 × L317)
*III. 200 ... (WF9 × 38-11) (K4 × L317)
*III. 201 ... (WF9 × 38-11) (I87-2 × L317)
*III. 206 ... (WF9 × 38-11) (187-2 × L317)
*III. 212 ... (WF9 × 38-11) (4-8 × 187-2)
III. 219 ... (CC5 × CC7) (WF9 × Hy)
III. 227 ... (WF9 × 38-11) (Hy × Tr)
III. 237 ... (WF9 × K4) (Kys × 38-11)
*III. 246 ... (WF9 × Hy) (187-2 × L317)
*III. 247 ... (187-2 × 38-11) (Hy × L317)
*III. 249 ... (R4 × L317) (187-2 × 701)
III. 253 ... (WF9 × 38-11) (R4 × 187-2)
III. 254 ... (WF9 × 38-11) (R4 × 187-2)
III. 255 ... (WF9 × 38-11) (159L1 × 187-2)
III. 257-1.. (Hy × 187-2) (O7 × L317)
*III. 262 ... (WF9 × M14) (187-2 × L317)
*III. 269 ... (CC10 × CC24) (WF9 × Hy)
III. 273 ... (WF9 × 38-11) (187-2 × 701)
*III. 273 ... (WF9 × 38-11) (187-2 × 07)
III. 274-1.. (WF9 × Hy) (187-2 × 07)
III. 279 ... (WF9 × M14) (CC24 × 187-2)
III. 281 ... (WF9 × A) (R2 × 187-2)
III. 285 ... (WF9 × Hy) (K4 × 38-11)
III. 300 (WF9 × R4) (Pr × 1205)
   III. 288 . . . (WF9 × Hy) (K4 × 38-11)
III. 300 . . . (WF9 × R4) (Pr × I205)
                                                                                          *III. 2019\dot{A}(\dot{W})...\dot{K}_{V}27 \times CI.61) (R30 \times 33-16)
                                                                                            III. 2020(W) . . . . (Ky27 \times R30) (K6 \times CI.61)
                                                                                            III. 2023B(W) . . . (Ky27 × CI.24) (K6 × 33-16)
III. 2043(W) . . . (33-16 × K6) (Ky27 × CI.43)
   III. 308... (WF9 × M14) (4-8 × 187-2)
   III. 319 . . . (WF9 \times M14) (A \times 90)
                                                                                          *III. 2059(W) ... (Ky27 × CI.61) (33-16 × K6)

*III. 2077(W) ... (33-16 × CI.61) (Ky27 × CI.43

III. 2097(W) ... (CI.43 × 33-16) (Ky27 × R30)
   III. 350 . . . (WF9 \times R4) (187-2 \times L317)
   III. 351 . . . (WF9 × 38-11) (R4 × Hy)
III. 371 . . . (A × L) (WF9 × Hy)
   III. 374 . . . (R4 \times Hy) (187-2 \times L317)
                                                                                            III. 2117(W) . . . . (Ky27 \times CI.61) (H21 \times 33-16)
 III. 437 ... (WF9 × Hy) (K4 × L317)
*III. 448 ... (38-11 × Kys) (K4 × L317)
                                                                                          *III. 2119(W) . . . . (Ky27 \times CI.61) (33-16 \times K64)
                                                                                          *III. 2120(W) . . . . (Ky27 \times CI.61) (K6 \times K64)
   III. 500-1.. (WF9 \times 38-11) (O7 \times L317)
                                                                                            III. 2159(W) . . . . (Ky27 \times CI.61) (H21 \times K64)
 *III. 501... (WF9 × 38-11) (Hy × 5120)
                                                                                            III. 2162(W) . . . . (4\mathring{C}063 × 4\mathring{C}082) (R47 × R49)
                                                                                           III. 2181(W) . . . . (33-16 \times Ky27) (H21 \times K64)
   III. 507 . . . (A \times 90) (WF9 \times Ř4)
                                                                                         *Kans. 1585 (K155 × 201C) (K4 × 38-11)
   III. 565 . . . (38-11 \times G) (K4 \times L317)
III. 710 ... (R4 × Hy) (Tr × L317)
*III. 713 ... (WF9 × 38-11) (G × L317)
III. 716A. (WF9 × 38-11) (Hy × L317)
*III. 751 ... (A × 90) (WF9 × Hy)
III. 772 ... (R4 × Hy) (159 × L317)
                                                                                         *Kans. 2234(W). (K41 × K55) (K63 × K64)

*Kans. 2275(W). (K55 × K64) (Ky27 × 26-11)
                                                                                         *Wis. 645.....(CC5 \times CC7) (CC1 \times WF9)
 *III. 784 . . . (Hy \times 5120) (K4 \times L317)
                                                                                         *U.S. 13.....(Hy \times L317) (WF9 \times 38-11)
 *III. 804 . . . (5120 × 38-11) (K4 × L317)
                                                                                          *U.S. 35.....(WF9 \times 38-11) (R4 \times Hy)
   III. 805...(187-2 \times 38-11) (K4 × L317)
                                                                                           U.S. 44.........(4-8 \times 187-2) (Hy \times 540)
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^{*}Kans 2275(W) is designated as a white hybrid altho one inbred in its pedigree is veltow.

CONTRIBUTORS OF SEED

Appl Hybrids	.Charles A. Appl & Son	.St. Joseph
Blackhawk Hybrids	.Blackhawk Coop. Hybrid Corn Assn	. Polo
Crow Hybrids	.Crow Hybrid Corn Co	. Milford
DeKalh Hybrids	. DeKalb Agricultural Assn	. DeKalb
Doubet Hybrids	.E. W. Doubet	. Hanna City
Embro Hybrids	. Ed. F. Mangelsdorf & Brother	.St. Louis. Mo.
Farmcraft Hybrids	.Farmcraft Seed Co	.Oxford. Ind.
Ferris Hybrids	.Ferris Hybrids	. Princeton
Frey Hybrids	.Frey Hybrid Corn Co	. Gilman
Funk Hybrids	.Funk Brothers Seed Co	Bloomington
Henley-Whienand Hybride	. Myron Whisnand	Arcola
Holmes Utility Hybrids	.C. W. & Z. M. Holmes	Edelstein
Hoosier Crost Hybrids	.Edw. J. Funk & Sons	Kentland Ind
Illinois Hubrids	Ill. Agr. Exp. Sta	Urbana
Inmois Trybrids	Ill. Crop Improvement Assn.a	Urbana
Lauralth Urrheida	. Michael-Leonard Seed Co	Normal
Vancas Hubrida	Wangag Arm Eyn Sta	Manhattan Kan
Valler Herbridg	. Kansas Agr. Exp. Sta	Son Toso
Kelly Hybrids	. Kelly Seed Co	Anoma Parts
Miller Heat of Ja	.L. L. Lowe	.Aroma rark
Miller Hybrids	.B. A. Miller & Son	Cooresillo
Moews Hybrids	.B. E. Moews	Granville
Morgan Hybrids	*Morgan Brothers	. Gaiva
Morton Hybrids	. Roy A. Morton & Son	. Bowen
National Hybrids	. National Hybrid Corn Co	. Hudson
Nichols Hybrids	. Nichols Brothers	. Hebron
Null Hybrids	. Null Seed Farms	. Colchester
Pfeifer Hybrids	.George L. Pfeifer	. Arcola
Pfister Hybrids	. Pfister Assoc. Growers	. El Paso
Pioneer Hybrids	. Pioneer Hi-Bred Corn Co	: Princeton
Producers' Hybrids	.Producers' Crop Imp. Assn	. Piper City
Seeber Hybrid	.Seeber Brothers	. Champaign
Sibley Hybrid	.Sibley Farms	.Sibley
Sieben Hybrids	.Sieben Hybrids	.Geneseo, R. 1
Stewart Hybrid	.Frank S. Stewart	. Princeville, R. 1
Stiegelmeier Hybrids	. H. L. Stiegelmeier	. Normal
U. S. Hybrids	.Ill. Crop Improvement Assn.*	. Urbana
Wisconsin Hybrid	.Ill. Crop Improvement Assn.a	. Urbana
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^aSeed supplied by the Association was obtained from samples of the hybrids submitted in 1943 for the laboratory test required for certification.

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