

# Kentucky Hybrid Corn Performance Test - 1988

PROGRESS REPORT 315

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DEPARTMENT OF AGRONOMY • LEXINGTON

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### PLEASE READ FIRST SPECIAL MESSAGE FOR 1988

During the growing season of 1988 almost all areas of the state experienced some degree of drought. The drought was most severe early in the growing season. Although some areas suffered severe yield reductions, timely mid-season rains in many areas allowed corn plants to partially recover and produce more grain than first expected. Statewide, drought reduced yields about 39% (Kentucky Agricultural Statistics Service: Vol. 7, Issue 22, 18 Nov. 1988).

Drought effects on the 1988 Hybrid Corn Performance Test are shown by the low average yields at the individual test locations. It is, however, more difficult to assess specific effects of drought on individual hybrids. All hybrids were not affected to the same degree and in the same manner. The variable response to severe weather could also be seen within plots (some plants in the plots were much taller than others) and among field areas. These differential effects can be seen in the statistical evaluations for each test by the coefficient of variation (C.V.) statistic shown at the end of each annual table (Tables 4-10, 14, and 15). The C.V. measures the relative variability from plot-to-plot. Under normal growth conditions we expect the C.V. to be in the range of 10-15%. If the C.V. is much greater, we realize that test conditions were such that differences among hybrids may result from random effects, such as weather, as much as to true genetic differences among hybrids. In other words, a high C.V. reduces our confidence in the ability of the test to measure real differences among hybrid test entries.

We always recommend that caution be used when interpreting the results of any individual test location's annual data. For 1988 it is even more important that multiple year and location data be used to evaluate hybrid performance. Since the abnormal weather of 1988 may not be repeated in the future, the averaging effects of multiple location data will be more useful for deciding which hybrid will provide the best chance for good yield performance in a more normal Kentucky growing season. For 1988 only two test locations had C.V.'s that were less than 15%, Bardwell and Calhoun. They also had relatively high yields. Although statistical differences among hybrids were observed in all tests (differences between two hybrids greater than the LSD), we strongly recommend that you substantiate 1988 hybrid differences by multiple-year observations.

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The objective of the Kentucky Hybrid Corn Performance Test is to provide unbiased performance estimates of hybrid seed corn sold in Kentucky. Every effort has been made to conduct the test in an unbiased manner according to accepted agronomic practices.

## PRESENTATION OF DATA

Complete 1988 data are presented for the tests at each location. Two- and three-year averages for yield are included in each of the single location tables when available. Readers are encouraged to consider these multiple year averages and the averages over locations (Tables 11, 12, 13, 16, 17, and 18) since these are better estimates of a hybrid's yield ability than data gathered at one location in one year.

Comparisons between yields or other characters of any two or more hybrids should be made only with data from one table at a time. The testing procedures do not provide a suitable comparison between a hybrid grown at one location with another grown at a different location.

## TESTING PROCEDURE

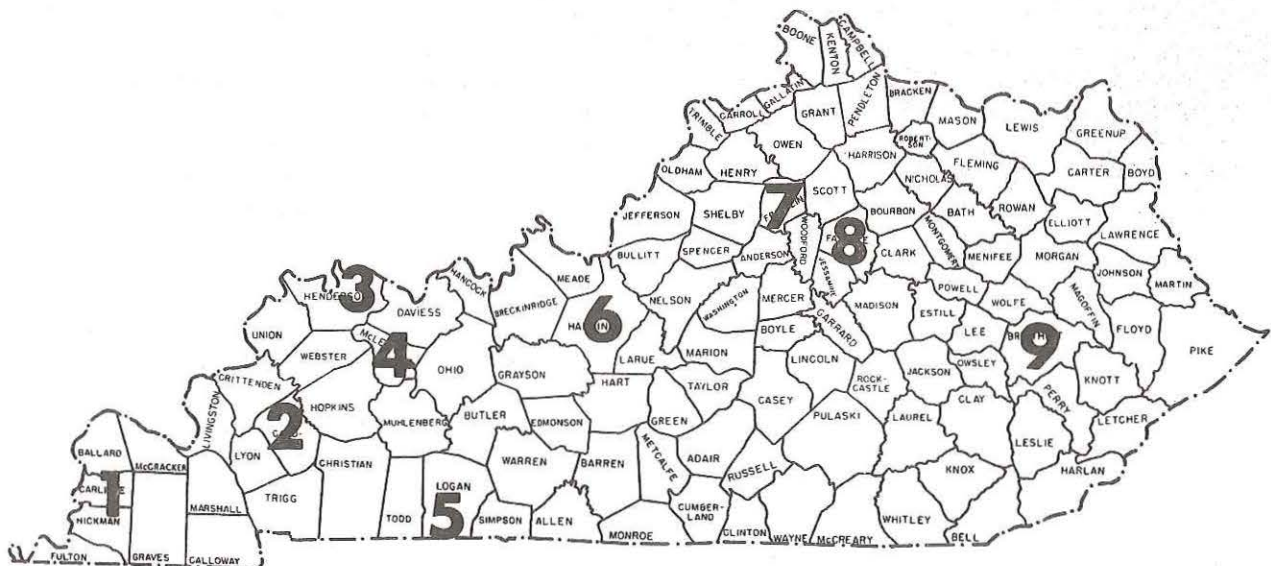
### Selection of Hybrids

The hybrids chosen for testing are those most likely to be available for sale in 1989. Seed of each commercial hybrid (Table 2) was obtained from the sponsoring company.

Those hybrids grown in the corn virus tests are indicated in column 2 of Table 2. The hybrid corn companies were asked to nominate those hybrids known to have virus resistance for inclusion in the virus test.

### Location of Tests

The map below shows the location for each test. The non-virus test sites were selected to represent different agroclimatic areas of the state where corn is a major commodity. The Henderson and



Locations of the 1988 Kentucky Hybrid Corn Performance Test

Frankfort sites were chosen specifically for the presence of corn virus in diverse areas of the state and may represent differences in virus populations.

### **Cultural Practices**

The seedbeds at each location except Elizabethtown and Calhoun were prepared by conventional tillage methods. Fertilizer was applied as indicated by soil tests. The test at Elizabethtown was planted in a fescue sod and cornstalk residue. Calhoun was planted in a wheat/soybean residue using recommended no-tillage practices. All test areas were treated with herbicide and supplemented by post-emergence cultivation and/or herbicide when necessary. Except for the virus tests, Counter was applied in the row at planting. Table 3 shows the specific cultural treatment for each location. The virus tests received Dyfonate as a surface applied insecticide at planting to control corn rootworms.

### **Experimental Design**

Each hybrid was grown in three separate plots at each location to sample uncontrollable variability of soil types, fertility, and other factors. Annual mean yields presented in the tables are averages of three replications at the test site while two- and three-year means are averages of six and nine replications, respectively. An 11 x 12 lattice design was used at each non-virus location, and an 8 x 8 lattice design was used at the virus locations.

Small differences in yield are usually of little importance. The yield of two varieties at a single location may differ because of chance factors (difference in soil characteristics, fertility, or availability of moisture) even though the inherent yielding ability is the same. To decide if an observed yield difference is real, use the LSD (least significant difference) quoted at the bottom of the tables. If the difference in yield is greater than the LSD value, you may be reasonably certain that the entries actually do differ in yielding ability. "N.S." in the tables indicates that no statistically significant differences were determined. The LSD is calculated for an  $\alpha$  level of 0.10.

### **Planting**

All plots were planted with a two-row, no-till planter modified for small plot work. The planter

boxes were replaced by special planting cones which allowed planting of a specified number of kernels per plot. Each plot consisted of two rows 36 inches apart and 22 feet long. Each conventional tillage test was planted at the rate of 23,760 kernels per acre. The no-till test at Elizabethtown was planted at a rate of 25,740 kernels per acre. Final stands were expected to be between 20,000 and 22,000 plants per acre if average stand losses occurred.

### **Harvesting**

All plots were harvested with a modified two-row self-propelled corn combine. Both rows of each two-row plot were picked and shelled. The grain weight and moisture content of each plot were measured with an electronic scale and moisture meter mounted on the combine. Data from most test locations was temporarily stored in a portable data logging device prior to transfer to a computer at Lexington. Yields were calculated and adjusted to No. 2 corn at 15.5% moisture. Dropped ears were not gleaned from the plots. The total number of plants and lodged plants were recorded immediately prior to harvest.

### **Corn Virus**

Two corn virus diseases occur in Kentucky: maize dwarf mosaic virus (MDM) and maize chlorotic dwarf virus (MCD). Both overwinter in johnsongrass and are usually present as a virus complex. Two locations (Frankfort and Henderson) were planted with 64 hybrids to evaluate resistance to the virus complex. Although johnsongrass was present at both virus locations and virus symptoms appeared in the johnsongrass, virus symptoms were not apparent on the corn hybrids and no virus ratings were taken. Virus ratings reported in the Frankfort Virus Test location (Table 15), were taken in 1987 at the Frankfort location and reflect both the number of plants infected and the severity of infection of those plants. A rating of 1 indicates that the hybrid was completely healthy and no plants were infected whereas a rating of 9 indicates that all plants of this hybrid were killed by the virus disease. A rating of 3 or lower indicates that the hybrid has some resistance in that few plants were infected or that those infected did not have a visual appearance of severe virus damage.

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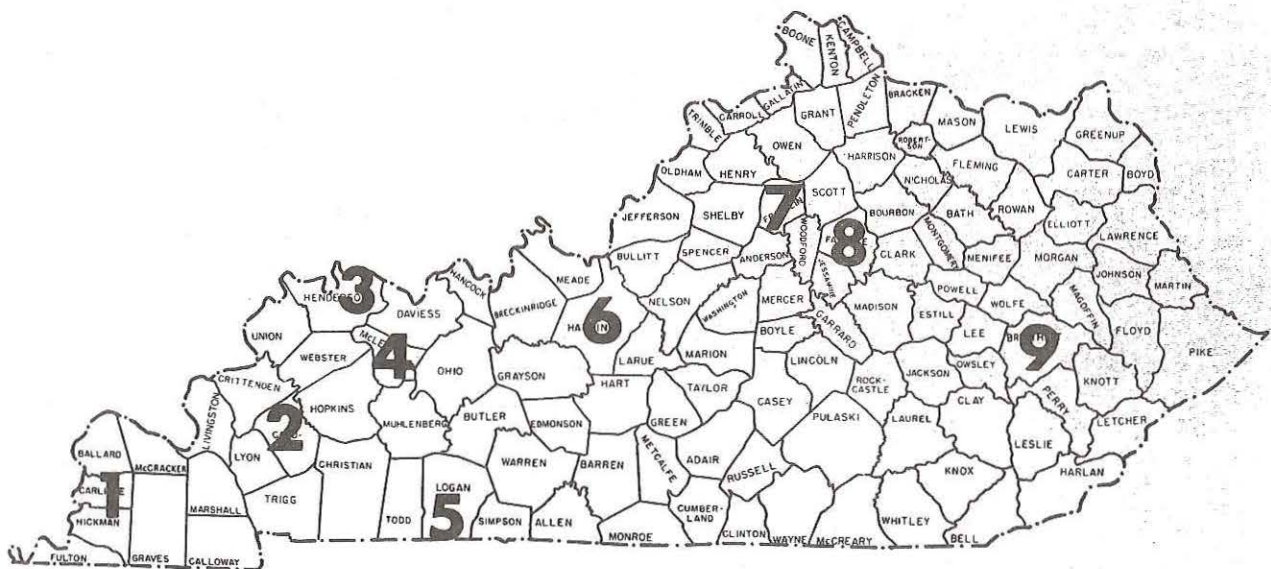
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TABLE 1.—PRECIPITATION AT TEST LOCATIONS, 1988

Month	Days	Location								
		Carlisle	Princeton	Russellville	Calhoun	Henderson	Elizabethtown	Lexington	Quicksand	Frankfort
April	1-8	--	2.11	--	1.56	1.76	--	2.91	1.68	--
	9-16	--	0.10	*	--	--	--	--	--	--
	17-24	--	0.88	--	1.43	0.60	*	0.87	0.91	--
	25-30	--	*	--	--	--	1.50	*	--	--
	Total	0.00	3.09	0.00	2.99	2.36	1.50	3.78	2.59	0.00
May	1-8	*	1.31	--	1.41*	0.28	1.50	0.67	1.57	--
	9-16	1.00	0.69	--	0.93	0.58*	--	0.95	0.53*	0.70*
	17-24	1.70	1.45	T	0.79	0.61	1.00	0.82	0.50	0.30
	25-31	--	--	--	--	--	--	0.11	1.20	--
	Total	2.70	3.45	T	3.13	1.47	2.50	2.55	3.80	1.00
June	1-8	--	--	--	--	--	--	--	0.46	--
	9-16	--	0.17	0.30	0.64	0.53	1.50	0.55	0.56	0.40
	17-24	--	--	--	--	--	--	--	0.19	--
	25-30	0.70	0.46	--	0.01	0.25	--	--	0.24	--
	Total	0.70	0.63	0.30	0.65	0.78	1.50	0.55	1.45	0.40
July	1-8	0.25	--	--	--	--	--	--	--	2.50 <sup>1</sup>
	9-16	1.50	1.92	1.50	1.28	2.32	1.79	1.63	0.16	0.90
	17-24	1.00	0.62	1.80	2.19	0.81	4.29	2.22	2.38	3.00
	25-31	1.40	1.33	2.60	1.10	0.81	1.10	0.02	0.71	--
	Total	4.15	3.87	5.90	4.57	3.94	7.18	3.87	3.25	6.40
August	1-8	2.15	1.90	--	0.42	1.06	1.00	2.03	1.79	0.70
	9-16	--	0.04	0.10	0.68	--	--	0.06	--	--
	17-24	0.20	1.26	1.10	0.01	2.04	--	0.68	1.54	0.90
	25-31	0.10	0.46	0.20	0.26	0.24	0.60	0.64	0.55	0.70
	Total	2.45	3.66	1.40	1.37	3.34	1.60	3.41	3.88	2.30
Sept.	1-8	1.70	1.39	3.10	0.85	1.05	1.60	2.28	2.07	0.90
	9-16	0.20	0.22	--	0.04	0.42	1.75	1.03	0.40	0.30
	17-24	--	1.05	**	1.67	1.41	1.60	1.62	3.94	0.30
	25-30	--	0.04	--	0.18	0.08	--	0.01**	--	--
	Total	1.90	2.70	3.10	2.74	2.96	4.95	4.94	6.41	1.50
Grand Total		11.90	17.40	10.70	15.45	14.85	19.23	19.10	21.38	11.60

\* Planted    \*\* Harvested/September; all others harvested in October.    <sup>1</sup>Irrigated

**TABLE 2.—HYBRIDS TESTED (continued)**

	Hybrid	Test*	Color	Cross**	Source
Glick Seed	GH76X	A	Yellow	2X(Mod)	Glick Seed Service 16801 E-100N Hartsville, IN 47224
	GH784	A	Yellow	2X	
	GH80X	A	Yellow	2X	
Hubner Seed	H8717	AB	Yellow	2X	Hubner Seed Co. Route 1, Box 92 West Lebanon, IN 47991
	H3318	B	Yellow	2X	
	H3519	B	Yellow	2X	
Hyperformer	HS60	B	Yellow	2X	Hyperformer Seed Co. 5100 Popular, Suite 3200 Memphis, TN 38137
	HS56	A	Yellow	2X	
	HS97	A	Yellow	2X	
Jacobi	6603	A	Yellow	2X	Jacobi Hybrids R.R. #1 McCordsville, IN 46055
	6720	A	Yellow	2X	
	8850	A	Yellow	2X	
	8950	B	Yellow	2X	
	9250	B	Yellow	2X	
	CX92	B	Yellow	2X	
Jacques	8210	A	Yellow	2X	Jacques Seed Company 720 St. Croix St. Prescott, WI 54021
	8250	B	Yellow	2X	
	8400	A	Yellow	2X	
	8700	A	Yellow	2X	
	8280	B	Yellow	2X	
	9220	B	Yellow	2X	
Leader	SX717	A	Yellow	2X	Leader Seeds, Inc. 7160 S.R. 118 Celina, OH 45822
Lynks	LX4355	A	Yellow	2X	Lynks Seeds P.O. Box 637 Marshalltown, IN 50158
	DS642	A	Yellow	2X	
	DS645	A	Yellow	2X	
	LX4521	B	Yellow	2X	
McCurdy	7400	A	Yellow	2X	McCurdy Seed Company P.O. Box 66 Fremont, IA 52561
	7676	A	Yellow	2X	
	7700	AB	Yellow	2X	
	7777	AB	Yellow	2X	
Pfister	4444	B	Yellow	2X	Pfister Hybrid Corn Company P.O. Box 187 El Paso, IL 61738
	4470	A	Yellow	2X	
	4571	A	Yellow	2X	



**TABLE 2.—HYBRIDS TESTED (continued)**

	Hybrid	Test*	Color	Cross**	Source
Pioneer Brand	3320	A	Yellow	2X(Mod)	Pioneer Hi-Bred Int'l. 221 North Main Street Tipton, IN 46072
	3295	A	Yellow	2X	
	3343	B	Yellow	2X	
	3144W	A	White	2X	
	3147	B	Yellow	2X(Mod)	
	3165	A	Yellow	2X	
	3187	B	Yellow	2X(Mod)	
	3140	A	Yellow	2X	
3283W	A	White	2X		
Prairie Stream	SX702	A	Yellow	2X	Prairie Stream Farms Route 3, Box 56 Frankfort, IN 46041
	X2317	B	Yellow	2X	
	SX312	A	Yellow	2X	
Princeton	SX860	A	Yellow	2X	Princeton Farms P.O. Box 319 Princeton, IN 47670
SeedTec Brand	ST-2675	A	Yellow	2X	SeedTec International, Inc. P.O. Box 110, 220 6th St. Carrollton, IL 62016
	ST-7750	AB	Yellow	2X	
	ST-915	A	Yellow	2X	
Seedex Seed	1172	AB	Yellow	2X	Seedex Seeds P. O. Box 770 Noblesville, IN 46060
Solar Seed	SO-4000	A	Yellow	2X	Solar Seeds, Inc. P.O. Box 436 Hardin, IL 62047
	SO-4020	A	Yellow	2X	
	SO-6040	B	Yellow	2X	
So. Cross	511	A	Yellow	2X	Miles Farm Supply, Inc. 2760 Keller Rd. Owensboro, KY 42301
	711	A	Yellow	2X	
	411	A	Yellow	2X	
So. States	SS810	A	Yellow	2X	Southern States Coop., Inc. P.O. Box 26234 Richmond, VA 23260
	SS728	A	Yellow	2X	
	SS807	A	Yellow	2X	
	SS811	A	Yellow	2X	
	SS814V	B	Yellow	2X	
	SS917W	AB	White	2X	
SS844V	B	Yellow	2X		
Stewart Hybrids	S-6973	A	Yellow	2X	Stewart's Hybrids, Inc. Route 1, Box 8 Princeville, IL 61559
	S-8423	A	Yellow	2X	
	S-8815	A	Yellow	2X	
	77-1	A	Yellow	2X	

TABLE 4.— ANNUAL SUMMARY, BARDWELL

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	BU/AC 87-88	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS						
PIONEER BRAND 3165	156.8	195.2	186.8	20.6	87.5	2.0
MCCURDY 7777			145.7	20.6	86.1	9.3
CARGILL 9427		149.8	143.0	19.3	81.9	15.8
ADLERS 88X	126.2	158.5	142.4	19.7	83.3	5.5
TERRA INT'L. TR364E			137.9	19.1	83.8	9.6
DEKALB-PFIZER DK711	125.1	142.6	137.7	20.8	83.8	9.5
DEKALB-PFIZER DK649			137.6	18.2	78.7	5.1
MCCURDY 7700			136.8	19.8	78.7	7.5
PIONEER BRAND 3320	131.8	155.0	135.7	19.2	88.9	10.8
BECK'S 83X			135.1	18.8	84.3	14.3
ZIMMERMAN Z27	119.4	147.9	134.7	20.4	89.4	7.3
COKER 8701		142.8	134.7	18.7	84.3	6.6
HUBNER SEED H8717			134.0	18.3	80.1	4.7
JACQUES 8700	121.7	151.7	133.7	20.6	78.7	15.9
CAVERNDALE FM. CF6065			133.4	21.1	86.6	11.7
BO-JAC 905			133.2	19.4	85.2	7.1
JACOBI 8850		150.2	133.2	20.2	79.2	8.4
COLBERT 326	110.4	146.0	132.8	18.0	87.0	7.9
FUNK'S RA1502	124.2	150.2	132.7	19.0	85.6	10.3
GOLDEN AC. T-E 6996	129.6	153.1	132.7	18.7	85.6	10.3
SO. STATES SS810		138.0	132.4	18.5	87.0	10.7
SEEDEX 1172			132.2	19.4	89.8	9.3
GARST SEED 8315			131.1	17.9	82.4	11.7
CROW'S 682			130.5	16.8	89.8	9.8
ZIMMERMAN Z28	125.0	153.3	130.2	20.5	93.1	10.9
COLBERT 345	134.0	169.0	129.8	20.4	85.2	14.7
PFISTER HYBRIDS 4571	120.3	141.3	129.2	19.9	83.8	8.3
GOLDEN AC. T-E 6998	116.4	149.4	129.1	20.4	85.6	14.7
STEWART HYBRIDS S-8423			128.1	19.6	88.0	7.9
CARGILL 8027			127.4	17.8	86.1	8.0
FUNK'S G-4666		147.1	127.2	19.5	88.9	9.9
SEEDTEC ST-7750	118.4	144.7	126.6	19.8	88.9	7.3
SUN PRAIRIE SP4520			126.4	19.3	94.0	13.9
THE NEW N-K PX9581	125.4	143.9	125.9	17.3	81.9	19.5
HYPERFORMER HS97		146.0	125.3	20.5	79.2	7.6
YOUNG SEED ORO150			124.8	18.5	79.2	6.7
D&H SEEDS DH7183	123.8	138.9	124.5	18.4	82.9	19.2
JACQUES 8400			124.0	21.0	90.3	9.2
PFISTER HYBRIDS 4470	122.9	145.5	123.7	18.3	82.9	12.9
SOLAR SEED SO-4020			123.2	17.8	80.6	9.8
PRAIRIE STREAM SX702	130.2	148.7	122.7	17.7	86.6	18.8
ASGROW/O'S GOLD 2570	124.5	150.1	122.4	18.5	86.1	16.8
AGRATECH 825			122.3	19.6	92.1	9.5
GLICK SEED GH784			122.3	18.9	81.9	8.0
STEWART SEEDS SX87	105.6	124.6	122.3	19.3	79.2	7.6
SO. CROSS 711			121.7	19.1	87.0	12.2
JACOBI 6720			121.6	20.3	80.6	8.1
GARST SEED 8116			121.3	19.2	83.8	6.7
MCCURDY 7400			121.3	19.0	81.5	11.0
BO-JAC 6760			121.3	18.2	83.3	12.9
COKER 8677			121.1	20.7	81.0	11.4
PIONEER BRAND 3295		148.6	121.0	21.0	87.0	22.2
THE NEW N-K PX9540		140.4	120.2	18.1	83.3	11.9
AGRIPRO HP555	123.9	139.2	119.9	19.1	85.6	9.7
PRAIRIE STREAM SX703			119.9	16.9	78.7	8.7
AGRATECH GK900	121.8	142.6	119.5	20.2	78.2	9.5
FUNK'S G-4665			119.2	19.1	85.2	15.3
SUPER CROST 5460	108.8	135.0	118.7	18.3	87.5	11.1
GLICK SEED GH80X			118.7	18.6	82.9	16.3
LYNKS DS645	118.4	136.8	118.4	20.2	93.1	10.8
CAVERNDALE FM. CF800			118.0	18.7	72.2	9.7
DEKALB-PFIZER DK689	133.8	154.3	118.0	21.0	88.4	15.0
FR27 X PA91	118.9	151.9	117.7	20.1	82.4	14.0
LYNKS DS642	123.2	143.9	117.7	19.5	90.7	13.7
BO-JAC 9310			117.5	22.0	68.1	1.4
PIONEER BRAND 3343			117.5	19.6	85.6	11.6
CROW'S 688	115.8	138.8	117.3	20.1	88.0	7.4
D&H SEEDS DH9120			116.1	21.6	82.4	14.8
YOUNG SEED ORO180			116.1	17.9	84.3	8.8
SO. CROSS 511	122.5	142.8	116.0	17.9	81.0	12.1

**TABLE 4.—BARDWELL (continued)**

BRAND/HYBRID	YIELD BU/AC 86-88	YIELD BU/AC 87-88	YIELD BU/AC 1988	AVG % MOIST 1988	AVG % STAND 1988	TOTAL % LODGED 1988
<b>YELLOW HYBRIDS</b>						
BECK'S 64XA		137.6	115.9	15.9	86.6	16.8
STEWART HYBRIDS 77-1			115.8	19.4	92.6	10.5
BECK'S 72X			115.5	18.8	88.4	14.6
THE NEW N-K S7759	111.5	135.4	115.1	20.6	82.9	23.3
GLICK SEED GH76X			114.8	17.9	88.4	8.8
FR27 X M017	106.3	131.0	114.7	17.9	84.7	17.4
SEEDTEC ST-915			114.7	19.1	77.3	13.2
JACOBI 6603			114.5	19.6	80.1	8.6
AGRIPRO AP850		127.6	114.4	20.2	85.2	14.8
FUNK'S G-4543		127.0	114.2	18.3	87.0	10.1
ASGROW/O'S GOLD RX860			114.0	21.4	81.9	9.6
PIONEER BRAND 3140			113.9	19.1	83.3	7.7
ADLERS 5990			113.8	19.4	90.3	11.2
SO. CROSS 411			113.6	21.9	81.9	10.1
THE NEW N-K 7705			113.3	19.0	83.3	11.1
STEWART HYBRIDS S-8815			112.8	20.2	87.0	8.4
COKER 8690		130.0	112.0	17.8	83.3	10.0
CARGILL 967	116.7	145.6	111.6	18.8	85.6	12.7
SO. STATES SS807			110.0	19.5	81.9	9.5
AGRIGOLD A-6655		138.9	109.9	21.5	79.6	14.7
COLBERT 313			109.7	18.6	81.9	9.0
CROW'S 488	96.5	131.1	109.4	18.3	86.6	10.2
STEWART HYBRIDS S-6973	112.9	137.2	108.5	18.9	80.1	17.6
CROW'S 647			107.4	17.3	81.9	27.0
ZIMMERMAN Z31			107.4	22.8	85.2	13.2
LYNKS LX4355	102.4	121.4	106.7	20.2	84.3	16.7
AGRATECH GK750	111.7	131.3	106.6	18.3	79.6	11.2
AGRIPRO AP670	104.7	121.2	106.4	23.6	88.4	11.4
SO. STATES SS728	106.6	129.4	106.3	18.9	84.3	13.8
SUN PRAIRIE SP240	110.0	132.6	106.0	19.5	85.2	26.2
PRINCETON SX860	104.5	123.7	105.9	19.3	81.9	2.6
MCCURDY 7676	125.1	144.7	104.3	19.4	80.6	19.9
GOLDEN AC. T-E 6994			104.3	19.1	79.2	8.2
SOLAR SEED SO-4000			104.0	17.9	72.7	12.6
GARST SEED 8344	103.3	122.5	103.5	19.2	84.3	11.9
JACQUES 8210		128.4	100.7	19.1	86.1	21.2
LEADER SX717	114.5	130.6	100.5	22.0	71.3	19.9
HYPERFORMER HS56		118.7	100.4	18.4	71.3	10.4
AGRIGOLD A-6615		121.4	99.4	19.5	78.7	11.5
FR27 X LH38	102.7	122.0	99.2	16.4	80.1	7.5
SEEDTEC ST-2675	118.4	128.7	98.9	18.7	85.2	21.8
SO. STATES SS811	98.3	125.6	98.1	19.4	79.2	20.8
D&H SEEDS DH9116			91.3	18.9	71.8	14.0
CARGILL 7990	101.6	123.3	90.6	18.3	82.9	27.1
<b>YELLOW AVERAGE</b>	<b>117.6</b>	<b>140.1</b>	<b>119.9</b>	<b>19.3</b>	<b>83.7</b>	<b>11.9</b>
<b>WHITE HYBRIDS</b>						
ZIMMERMAN Z14W	129.3	162.1	143.4	22.4	82.4	21.8
SUPER CROST SC-W700			136.7	20.8	88.0	14.1
ZIMMERMAN Z60W	126.2	147.5	128.3	22.0	83.8	20.5
VINEYARD SEED MV-68AW			126.5	20.8	81.5	18.1
AGRATECH WS2550			125.9	19.7	86.6	9.0
PIONEER BRAND 3144W	130.1	159.3	125.6	19.5	86.6	17.1
AGRIGOLD A-6795W	115.7	139.6	122.4	20.4	81.9	17.4
ZIMMERMAN Z54W			120.8	20.5	87.0	20.1
SO. STATES SS917W			120.1	21.7	81.9	12.0
COKER 833W	118.3	138.4	117.4	20.5	66.7	11.7
AGRIGOLD A-6796W			115.5	19.9	86.1	12.1
ASGROW/O'S GOLD RX956W		137.4	114.5	20.0	78.2	14.0
VINEYARD SEED MV-58W	101.3	123.6	101.8	18.7	71.8	23.3
PIONEER BRAND 3283W			91.8	17.3	79.2	16.4
<b>WHITE AVERAGE</b>	<b>120.1</b>	<b>144.0</b>	<b>120.8</b>	<b>20.3</b>	<b>81.5</b>	<b>16.2</b>
<b>GRAND AVERAGE</b>	<b>117.9</b>	<b>140.5</b>	<b>119.9</b>	<b>19.4</b>	<b>83.5</b>	<b>12.4</b>
LSD(0.10)	14.9	20.7	20.1	2.5	8.3	9.3
C.V.			12.4	9.5	7.4	56.0

**TABLE 5.—ANNUAL SUMMARY, PRINCETON**

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	BU/AC 87-88	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS						
PIONEER BRAND 3320	145.5	151.6	139.7	17.9	82.4	3.0
CROW'S 688	135.1	148.6	137.2	17.0	74.1	6.5
SUN PRAIRIE SP4520			136.6	17.5	66.7	0.0
COLBERT 326	135.5	140.4	136.0	18.1	76.4	6.7
SO. CROSS 511	128.7	126.6	135.4	18.3	79.2	3.8
LYNKS DS645	146.9	143.8	129.4	18.1	85.2	1.2
FUNK'S RA1502	140.5	144.8	128.6	17.2	81.9	2.8
SEEDTEC ST-2675	138.9	148.2	126.2	17.7	80.6	14.7
BO-JAC 905			125.8	18.3	64.4	0.0
PIONEER BRAND 3140			125.7	18.7	62.5	0.8
DEKALB-PFIZER DK689	150.4	152.2	125.1	18.7	51.9	0.0
THE NEW N-K S7759	133.3	148.5	124.9	17.4	77.3	2.8
PIONEER BRAND 3295			147.1	16.1	71.3	0.6
SEEDTEC ST-7750	135.9	142.2	122.8	16.9	63.4	0.0
AGRIPRO HP555	141.8	145.6	121.8	17.3	71.3	6.2
ZIMMERMAN Z31			120.3	17.3	75.0	1.2
SO. STATES SS807			119.8	18.9	75.5	3.1
BECK'S 72X			118.5	16.9	54.6	6.8
COKER 8701		147.1	118.4	16.8	60.6	2.6
PRAIRIE STREAM SX702	131.0	140.5	118.2	17.6	63.9	6.5
CARGILL 7990	138.1	140.2	117.8	16.9	54.2	1.4
CROW'S 647			117.1	16.6	60.2	3.3
GOLDEN AC. T-E 6998	146.0	152.9	116.6	18.2	63.4	4.2
SO. STATES SS810			136.5	16.6	55.6	1.4
D&H SEEDS DH7183	133.2	136.8	115.7	17.8	72.7	0.0
LYNKS DS642	137.9	140.3	115.6	18.1	71.8	5.0
GOLDEN AC. T-E 6994			115.6	18.4	59.7	2.3
PIONEER BRAND 3343			114.9	17.0	68.5	0.7
MCCURDY 7676	135.0	136.2	114.6	16.8	70.8	7.1
MCCURDY 7777			114.0	17.6	63.0	3.0
FFISTER HYBRIDS 4470	136.0	143.8	112.6	17.4	72.7	15.6
BECK'S 83X			111.9	17.8	69.4	0.7
FUNK'S G-4666		141.1	111.7	17.3	66.7	2.2
COLBERT 345	139.7	149.4	111.1	18.1	61.1	9.2
D&H SEEDS DH9120			111.1	17.5	60.6	2.4
COKER 8677			110.8	18.0	54.2	1.6
COKER 8690		135.5	110.3	17.0	63.4	4.5
AGRATECH 825			110.1	19.1	69.0	0.0
CARGILL 9427		144.8	110.0	17.9	50.5	2.5
STEWART HYBRIDS 77-1			109.9	17.1	74.5	1.7
SEEDTEC ST-915			109.6	16.6	74.5	4.2
AGRIPRO AP670	136.1	134.5	109.4	17.3	75.0	0.0
SO. STATES SS728	129.8	132.0	108.5	17.1	63.4	0.0
SUN PRAIRIE SP240	137.4	137.5	107.9	16.8	82.4	8.5
GARST SEED 8344	137.2	131.1	107.7	16.5	68.1	3.2
GARST SEED 8116			107.1	16.4	67.6	0.6
YOUNG SEED ORO180			106.3	17.1	58.8	14.5
JACOBI 6720			106.1	18.0	60.2	2.4
GARST SEED 8315			106.0	19.4	50.9	3.2
SEDEX 1172			105.6	19.0	56.5	5.0
LEADER SX717	124.8	126.4	105.5	17.2	69.4	5.5
AGRATECH GK750	134.9	133.0	105.4	16.3	72.7	1.9
GOLDEN AC. T-E 6996	123.3	131.7	105.4	18.1	63.9	4.2
MCCURDY 7400			105.4	17.6	51.9	1.8
GLICK SEED GH80X			105.2	17.9	88.9	2.5
ADLERS 88X	133.7	141.6	105.0	19.1	60.6	3.3
GLICK SEED GH76X			104.8	17.0	65.7	2.6
STEWART HYBRIDS S-8423			104.0	17.6	69.9	5.1
DEKALB-PFIZER DK649			104.0	17.4	48.6	0.0
THE NEW N-K PX9581	127.5	133.5	103.8	17.5	65.7	12.0
HUBNER SEED H8717			103.3	16.8	61.6	2.3
PIONEER BRAND 3165	144.7	147.0	103.3	19.6	46.8	0.0
ZIMMERMAN Z28	127.5	138.1	103.0	16.8	52.3	9.8
STEWART HYBRIDS S-6973	124.6	131.7	103.0	18.5	50.5	2.2
ASGROW/O'S GOLD RX860			102.7	18.3	50.0	3.7
CARGILL 8027			102.6	16.7	69.9	1.3
MCCURDY 7700			102.2	16.4	60.2	2.3
DEKALB-PFIZER DK711	132.9	135.0	101.8	18.3	57.9	1.6
JACQUES 8700	127.6	136.5	101.8	17.9	50.0	3.4
HYPERFORMER HS97		138.3	101.5	17.8	55.1	0.0

**TABLE 5.—ANNUAL SUMMARY, PRINCETON**

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	BU/AC 87-88	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS						
PIONEER BRAND 3320	145.5	151.6	139.7	17.9	82.4	3.0
CROW'S 688	135.1	148.6	137.2	17.0	74.1	6.5
SUN PRAIRIE SP4520			136.6	17.5	66.7	0.0
COLBERT 326	135.5	140.4	136.0	18.1	76.4	6.7
SO. CROSS 511	128.7	126.6	135.4	18.3	79.2	3.8
LYNKS DS645	146.9	143.8	129.4	18.1	85.2	1.2
FUNK'S RA1502	140.5	144.8	128.6	17.2	81.9	2.8
SEEDTEC ST-2675	138.9	148.2	126.2	17.7	80.6	14.7
BO-JAC 905			125.8	18.3	64.4	0.0
PIONEER BRAND 3140			125.7	18.7	62.5	0.8
DEKALB-PFIZER DK689	150.4	152.2	125.1	18.7	51.9	0.0
THE NEW N-K S7759	133.3	148.5	124.9	17.4	77.3	2.8
PIONEER BRAND 3295			147.1	16.1	71.3	0.6
SEEDTEC ST-7750	135.9	142.2	122.8	16.9	63.4	0.0
AGRIPRO HP555	141.8	145.6	121.8	17.3	71.3	6.2
ZIMMERMAN Z31			120.3	17.3	75.0	1.2
SO. STATES SS807			119.8	18.9	75.5	3.1
BECK'S 72X			118.5	16.9	54.6	6.8
COKER 8701		147.1	118.4	16.8	60.6	2.6
PRAIRIE STREAM SX702	131.0	140.5	118.2	17.6	63.9	6.5
CARGILL 7990	138.1	140.2	117.8	16.9	54.2	1.4
CROW'S 647			117.1	16.6	60.2	3.3
GOLDEN AC. T-E 6998	146.0	152.9	116.6	18.2	63.4	4.2
SO. STATES SS810			136.5	16.6	55.6	1.4
D&H SEEDS DH7183	133.2	136.8	115.7	17.8	72.7	0.0
LYNKS DS642	137.9	140.3	115.6	18.1	71.8	5.0
GOLDEN AC. T-E 6994			115.6	18.4	59.7	2.3
PIONEER BRAND 3343			114.9	17.0	68.5	0.7
MCCURDY 7676	135.0	136.2	114.6	16.8	70.8	7.1
MCCURDY 7777			114.0	17.6	63.0	3.0
FFISTER HYBRIDS 4470	136.0	143.8	112.6	17.4	72.7	15.6
BECK'S 83X			111.9	17.8	69.4	0.7
FUNK'S G-4666		141.1	111.7	17.3	66.7	2.2
COLBERT 345	139.7	149.4	111.1	18.1	61.1	9.2
D&H SEEDS DH9120			111.1	17.5	60.6	2.4
COKER 8677			110.8	18.0	54.2	1.6
COKER 8690		135.5	110.3	17.0	63.4	4.5
AGRATECH 825			110.1	19.1	69.0	0.0
CARGILL 9427		144.8	110.0	17.9	50.5	2.5
STEWART HYBRIDS 77-1			109.9	17.1	74.5	1.7
SEEDTEC ST-915			109.6	16.6	74.5	4.2
AGRIPRO AP670	136.1	134.5	109.4	17.3	75.0	0.0
SO. STATES SS728	129.8	132.0	108.5	17.1	63.4	0.0
SUN PRAIRIE SP240	137.4	137.5	107.9	16.8	82.4	8.5
GARST SEED 8344	137.2	131.1	107.7	16.5	68.1	3.2
GARST SEED 8116			107.1	16.4	67.6	0.6
YOUNG SEED ORO180			106.3	17.1	58.8	14.5
JACOBI 6720			106.1	18.0	60.2	2.4
GARST SEED 8315			106.0	19.4	50.9	3.2
SEDEX 1172			105.6	19.0	56.5	5.0
LEADER SX717	124.8	126.4	105.5	17.2	69.4	5.5
AGRATECH GK750	134.9	133.0	105.4	16.3	72.7	1.9
GOLDEN AC. T-E 6996	123.3	131.7	105.4	18.1	63.9	4.2
MCCURDY 7400			105.4	17.6	51.9	1.8
GLICK SEED GH80X			105.2	17.9	88.9	2.5
ADLERS 88X	133.7	141.6	105.0	19.1	60.6	3.3
GLICK SEED GH76X			104.8	17.0	65.7	2.6
STEWART HYBRIDS S-8423			104.0	17.6	69.9	5.1
DEKALB-PFIZER DK649			104.0	17.4	48.6	0.0
THE NEW N-K PX9581	127.5	133.5	103.8	17.5	65.7	12.0
HUBNER SEED H8717			103.3	16.8	61.6	2.3
PIONEER BRAND 3165	144.7	147.0	103.3	19.6	46.8	0.0
ZIMMERMAN Z28	127.5	138.1	103.0	16.8	52.3	9.8
STEWART HYBRIDS S-6973	124.6	131.7	103.0	18.5	50.5	2.2
ASGROW/O'S GOLD RX860			102.7	18.3	50.0	3.7
CARGILL 8027			102.6	16.7	69.9	1.3
MCCURDY 7700			102.2	16.4	60.2	2.3
DEKALB-PFIZER DK711	132.9	135.0	101.8	18.3	57.9	1.6
JACQUES 8700	127.6	136.5	101.8	17.9	50.0	3.4
HYPERFORMER HS97		138.3	101.5	17.8	55.1	0.0

TABLE 5.—PRINCETON (continued)

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	BU/AC 87-88	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS						
JACOBI 8850		130.8	101.4	16.8	58.8	3.2
JACQUES 8400			101.4	17.5	63.0	7.9
FR27 X M017	133.0	128.8	101.0	16.9	71.3	7.0
ADLERS 5990			100.3	17.2	67.1	2.7
SUPER CROST 5460	124.0	124.5	99.8	17.7	70.8	2.7
D&H SEEDS DH9116			99.6	17.6	51.9	2.7
CAVERNDALE FM. CF6065			98.7	18.2	69.9	3.1
JACQUES 8210		127.9	98.2	17.8	69.0	2.9
ASGROW/O'S GOLD 2570	123.8	121.9	97.2	17.3	63.0	4.8
COLBERT 313			96.9	17.0	56.0	1.6
FUNK'S G-4665			96.9	19.1	67.6	1.5
STEWART HYBRIDS S-8815			96.7	18.3	56.9	0.0
AGRIGOLD A-6615		121.7	96.5	16.5	59.7	0.0
YOUNG SEED ORO150			96.5	16.3	53.2	6.1
LYNKS LX4355	127.8	130.2	95.8	16.5	60.6	5.3
JACOBI 6603			95.1	17.8	64.8	3.7
CARGILL 967	117.4	119.6	94.2	16.0	51.4	10.8
BO-JAC 9310			93.0	18.8	41.7	0.9
AGRIPRO AP850		131.4	92.6	20.2	68.1	1.4
CROW'S 682			92.2	16.8	60.6	2.3
ZIMMERMAN Z27	132.2	121.3	91.8	18.4	51.9	2.2
STEWART SEEDS SX87	115.4	118.2	91.7	18.2	50.9	0.8
FUNK'S G-4543		129.1	91.6	17.3	67.1	3.2
THE NEW N-K 7705			91.2	16.3	75.0	0.0
SOLAR SEED SO-4020			90.6	17.0	52.3	4.4
BECK'S 64XA		135.1	90.4	17.3	46.3	2.8
GLICK SEED GH784			89.6	16.1	66.2	5.6
AGRATECH GK900	127.8	123.7	89.0	18.4	59.7	6.1
SO. CROSS 711			88.7	16.8	54.6	3.5
FR27 X PA91	118.4	121.7	87.8	18.8	29.2	1.0
PFISTER HYBRIDS 4571	125.6	128.3	86.9	17.2	67.6	3.5
TERRA INT'L. TR364E			86.9	16.4	60.6	0.0
CROW'S 488	121.4	116.1	86.3	16.2	58.8	3.6
BO-JAC 6760			85.5	16.9	43.5	0.0
SO. STATES SS811	115.7	119.1	83.7	16.5	63.0	5.1
SOLAR SEED SO-4000			83.2	15.8	42.6	0.0
CAVERNDALE FM. CF800			82.5	17.2	41.2	1.6
SO. CROSS 411			82.1	16.8	56.9	0.0
THE NEW N-K PX9540		118.4	81.9	17.8	57.4	0.0
HYPERFORMER HS56		102.2	80.0	17.4	53.7	5.2
PRAIRIE STREAM SX703			78.9	18.0	55.6	0.8
AGRIGOLD A-6655		128.4	74.8	17.2	50.0	4.6
FR27 X LH38	99.2	95.8	62.4	16.3	51.9	13.5
PRINCETON SX860	96.3	96.2	54.6	18.9	23.6	0.0
YELLOW AVERAGE	130.8	133.4	104.4	17.5	62.1	3.4
WHITE HYBRIDS						
SUPER CROST SC-W700			134.9	20.4	88.0	7.2
PIONEER BRAND 3144W	135.2	140.9	130.5	19.2	72.7	0.6
ZIMMERMAN Z14W	138.7	146.7	129.2	19.1	89.8	8.7
ZIMMERMAN Z54W			123.9	18.3	79.2	6.0
AGRATECH WS2550			120.7	16.3	70.8	4.6
PIONEER BRAND 3283W			113.4	17.0	73.6	0.6
ASGROW/O'S GOLD RX956W		122.4	100.6	20.2	62.5	1.9
ZIMMERMAN Z60W	126.2	129.2	98.1	19.3	81.9	4.5
AGRIGOLD A-6795W	123.1	121.6	96.9	18.6	50.5	3.3
AGRIGOLD A-6796W			95.5	19.9	63.4	6.6
VINEYARD SEED MV-68AW			94.6	20.5	53.7	2.0
COKER 833W	114.7	123.7	94.3	20.2	47.2	1.0
VINEYARD SEED MV-58W	114.6	120.4	89.0	17.4	47.7	1.0
SO. STATES SS917W			88.1	19.0	55.1	4.2
WHITE AVERAGE	125.4	129.3	107.8	19.0	66.9	3.7
GRAND AVERAGE	130.2	133.0	104.8	17.7	62.6	3.4
LSD(0.10)	16.0	18.6	28.3	1.4	14.1	5.2
C.V.			20.1	6.1	16.8	114.8

TABLE 7.—ANNUAL SUMMARY, RUSSELLVILLE

BRAND/HYBRID	YIELD BU/AC 86-88	YIELD BU/AC 87-88	YIELD BU/AC 1988	AVG % MOIST 1988	AVG % STAND 1988	TOTAL % LODGED 1988
YELLOW HYBRIDS						
COLBERT 326	134.8	117.5	75.2	17.7	87.0	0.0
PIONEER BRAND 3140			69.4	20.4	86.6	1.1
COKER 8690		111.1	68.7	20.3	88.4	0.0
SEEDTEC ST-2675	134.5	116.0	66.5	20.1	84.3	0.0
PRAIRIE STREAM SX702	137.8	116.3	64.8	19.9	94.0	0.0
FUNK'S G-4666		110.2	64.5	19.7	87.5	0.0
GARST SEED 8315			63.3	18.0	92.6	0.0
MCCURDY 7777			63.0	20.8	90.7	0.5
COKER 8677			62.7	19.6	90.7	0.0
MCCURDY 7400			59.3	18.3	85.6	0.0
AGRIPRO AP850		90.4	58.7	20.9	89.8	0.0
SEEDTEC ST-7750	112.5	94.4	58.1	20.3	90.3	0.0
PIONEER BRAND 3320	129.8	111.7	58.0	21.2	94.9	0.0
ASGROW/O'S GOLD 2570	129.8	111.8	57.6	20.1	94.4	0.0
JACOBI 8850		97.4	56.1	21.7	83.3	0.0
SOLAR SEED SO-4000			55.8	18.3	81.5	1.3
HYPERFORMER HS97		108.9	55.7	20.9	73.6	0.0
GARST SEED 8116			55.4	21.7	85.2	0.0
SOLAR SEED SO-4020			54.3	19.2	76.9	0.0
GOLDEN AC. T-E 6996	119.4	96.9	54.3	22.5	85.6	0.0
LYNKS LX4355	119.2	100.8	53.2	19.1	88.9	0.0
STEWART HYBRIDS S-8423			53.1	19.4	86.1	1.0
D&H SEEDS DH7183	124.7	106.0	52.9	20.1	86.1	0.5
ZIMMERMAN Z27	127.8	113.4	52.8	19.1	92.6	0.0
CROW'S 488	109.7	84.1	52.7	18.5	85.6	0.0
AGRATECH GK900	119.7	94.5	52.2	21.5	85.6	0.0
SEDEX 1172			52.1	19.5	80.1	0.0
PFISTER HYBRIDS 4470	134.0	113.3	52.0	18.9	89.8	0.0
CARGILL 967	120.0	102.5	51.3	18.8	94.0	0.0
DEKALB-PFIZER DK689	116.9	102.7	51.2	20.0	88.0	0.0
TERRA INT'L. TR364E			50.9	20.1	93.1	0.0
BO-JAC 9310			50.4	21.9	80.1	0.0
YOUNG SEED ORO180			50.2	19.0	95.4	0.0
CROW'S 647			50.0	19.2	91.2	0.0
JACQUES 8700	118.6	95.8	50.0	22.9	86.1	0.0
GOLDEN AC. T-E 6994			49.5	19.5	83.8	0.0
SO. STATES SS810		98.6	49.4	19.8	87.0	0.0
ZIMMERMAN Z28	125.2	102.0	49.3	18.8	85.2	0.0
BECK'S 72X			49.3	18.9	88.4	0.0
FUNK'S RA1502	120.7	99.3	49.2	19.6	93.1	0.0
MCCURDY 7676	125.8	108.0	48.5	19.7	88.0	0.0
AGRIGOLD A-6655		101.6	48.5	19.0	88.4	0.5
FR27 X PA91	123.8	103.8	47.5	20.8	87.0	0.0
DEKALB-PFIZER DK711	115.6	94.6	47.4	20.4	93.5	0.0
CAVERNDAL FM. CF6065			47.0	21.7	90.3	0.0
LEADER SX717	120.2	98.6	46.9	20.4	81.0	0.0
JACOBI 6720			46.3	18.1	85.2	0.0
SEEDTEC ST-915			46.1	19.3	88.4	0.0
SO. CROSS 511	123.0	98.6	46.0	19.3	87.0	0.0
D&H SEEDS DH9120			45.9	22.3	88.9	0.0
STEWART HYBRIDS S-8815			45.6	19.1	91.2	0.0
PIONEER BRAND 3165	134.0	122.7	45.4	23.6	92.1	0.0
ADLERS 5990			45.3	19.8	92.1	0.0
LYNKS DS642	123.3	104.7	45.0	20.2	93.1	0.0
GOLDEN AC. T-E 6998	122.1	102.7	44.7	22.7	86.6	0.0
CROW'S 688	109.4	93.0	44.2	19.6	89.4	0.0
JACOBI 6603			43.9	18.5	85.2	0.0
PRAIRIE STREAM SX703			43.6	19.0	85.6	0.0
HUBNER SEED H8717			42.6	19.5	91.7	0.0
BECK'S 64XA		91.0	42.6	18.9	90.7	0.0
YOUNG SEED ORO150			42.4	18.4	80.1	0.0
AGRIPRO HP555	120.4	98.4	41.3	19.9	88.9	0.0
COLBERT 345	127.0	102.9	41.3	20.5	90.7	0.0
GARST SEED 8344	110.8	83.1	41.0	18.6	85.6	0.0
BECK'S 83X			40.6	21.9	82.9	0.0
PIONEER BRAND 3295		104.2	40.4	22.6	88.0	0.6
DEKALB-PFIZER DK649			39.8	21.1	82.9	0.0
THE NEW N-K PX9581	122.2	102.2	39.8	20.0	87.0	0.0
GLICK SEED GH80X			39.7	19.6	91.2	0.0
CARGILL 7990	126.4	102.6	39.7	18.8	91.2	0.0

**TABLE 7.—RUSSELLVILLE (continued)**

BRAND/HYBRID	YIELD BU/AC 86-88	YIELD BU/AC 87-88	YIELD BU/AC 1988	AVG % MOIST 1988	AVG % STAND 1988	TOTAL % LODGED 1988
YELLOW HYBRIDS						
CROW'S 682			38.7	21.4	85.6	0.0
JACQUES 8210		96.1	38.2	19.4	90.3	0.0
SO. CROSS 711			38.1	18.7	88.9	0.0
GLICK SEED GH76X			38.1	18.3	92.1	0.0
JACQUES 8400			38.1	21.8	95.4	0.0
PIONEER BRAND 3343			37.9	19.0	86.6	0.6
STEWART HYBRIDS S-6973	125.9	103.3	37.7	20.7	75.0	0.0
MCCURDY 7700			37.4	20.2	81.5	0.0
GLICK SEED GH784			37.3	19.7	93.1	0.0
HYPERFORMER HS56		75.1	37.2	19.5	84.3	0.5
SUN PRAIRIE SP240	117.7	91.0	36.4	18.9	91.7	0.0
COKER 8701		97.5	36.0	19.5	89.4	0.0
BO-JAC 905			35.4	22.4	78.2	0.0
CARGILL 9427		90.9	35.0	21.0	84.7	0.0
D&H SEEDS DH9116			34.9	21.9	79.2	0.0
FR27 X M017	118.8	99.1	34.9	18.7	91.2	0.0
ASGROW/O'S GOLD RX860			34.6	19.7	82.4	0.0
THE NEW N-K 7705			34.6	17.3	90.3	0.0
FUNK'S G-4665			32.9	21.3	91.2	0.0
CAVERDALE FM. CF800			32.9	20.4	80.6	0.0
FR27 X LH38	105.6	82.5	32.5	18.7	80.6	0.0
SO. STATES SS728	112.5	90.0	32.5	18.3	89.8	0.0
STEWART HYBRIDS 77-1			32.5	19.9	89.8	0.0
CARGILL 8027			32.3	18.9	89.4	0.0
COLBERT 313			32.2	18.7	88.0	0.0
ADLERS 88X	112.6	87.7	31.9	20.8	94.0	0.0
THE NEW N-K S7759	121.8	98.3	31.9	18.5	93.5	0.0
AGRIGOLD A-6615		83.4	31.1	19.1	85.6	0.0
ZIMMERMAN Z31			31.0	17.8	90.3	0.0
SO. STATES SS807			30.7	19.3	93.1	0.0
BO-JAC 6760			30.6	21.8	88.9	0.0
FUNK'S G-4543		89.4	30.4	19.4	90.7	0.0
AGRATECH GK750	95.3	72.7	29.9	19.9	88.9	0.0
SUPER CROST 5460	107.1	82.3	28.8	20.0	91.2	0.0
PRINCETON SX860	109.6	90.4	28.4	20.2	90.3	0.0
PFISTER HYBRIDS 4571	119.4	95.0	26.7	19.6	88.9	0.0
STEWART SEEDS SX87	108.1	85.4	26.4	19.9	84.7	0.0
AGRATECH 825			24.3	20.6	94.4	0.0
LYNKS DS645	107.8	82.5	24.1	20.1	84.7	0.0
SO. STATES SS811	113.8	87.0	23.4	21.0	93.1	0.5
THE NEW N-K PX9540		84.7	23.2	19.3	94.0	0.0
AGRIPRO AP670	116.7	102.2	22.7	18.1	90.7	0.0
SO. CROSS 411			15.8	19.4	95.4	0.0
SUN PRAIRIE SP4520			15.0	20.9	93.1	0.0
YELLOW AVERAGE	119.8	98.0	43.5	19.9	88.1	0.1
WHITE HYBRIDS						
PIONEER BRAND 3144W	131.6	109.1	57.6	20.8	89.4	0.0
AGRATECH WS2550			50.5	18.4	92.6	0.0
ZIMMERMAN Z54W			42.4	21.1	82.9	0.0
PIONEER BRAND 3283W			37.1	18.8	86.6	0.0
SUPER CROST SC-W700			36.9	23.1	82.9	0.6
ZIMMERMAN Z14W	121.1	96.4	31.7	25.7	87.0	0.0
VINEYARD SEED MV-68AW			31.5	21.4	93.5	0.0
ZIMMERMAN Z60W	113.7	84.4	31.1	23.1	89.4	0.0
VINEYARD SEED MV-58W	103.3	84.5	24.9	19.1	80.6	0.0
AGRIGOLD A-6795W	114.1	86.6	17.6	20.2	97.2	0.0
ASGROW/O'S GOLD RX956W		73.6	16.0	21.9	88.4	0.0
COKER 833W	101.7	81.0	15.5	20.9	83.8	0.0
AGRIGOLD A-6796W			15.1	22.7	89.4	0.0
SO. STATES SS917W			13.3	18.8	94.9	0.0
WHITE AVERAGE	114.3	87.9	30.1	21.1	88.5	0.0
GRAND AVERAGE	119.2	97.0	42.0	20.0	88.1	0.1
LSD(0.10)	11.8	15.6	16.2	1.8	7.8	0.5
C.V.			28.9	6.7	6.6	600.4



TABLE 9.—LEXINGTON, (continued)

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	BU/AC 87-88	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS						
GOLDEN AC. T-E 6998	102.7	110.4	66.8	21.7	83.8	17.6
COLBERT 313			66.6	22.4	92.1	0.0
HYPERFORMER HS56		92.2	66.5	23.8	75.0	10.0
SUN PRAIRIE SP4520			66.3	25.2	92.6	2.0
AGRIGOLD A-6655		103.5	66.3	23.7	79.6	1.2
AGRATECH GK900	97.7	98.4	65.5	25.3	61.6	18.5
AGRATECH GK750	99.0	99.4	65.4	23.2	74.5	1.9
COLBERT 345	92.4	97.3	63.2	24.4	94.0	16.2
SO. CROSS 411			62.8	23.3	81.0	1.2
BECK'S 83X			62.8	22.3	88.9	2.8
PFISTER HYBRIDS 4571	91.1	84.6	62.8	22.4	89.8	4.7
SO. STATES SS810		89.8	62.5	23.8	68.1	0.0
ASGROW/O'S GOLD RX860			61.8	23.3	91.2	1.0
CAVERDALE FM. CF800			61.7	23.9	72.7	4.8
GLICK SEED GH80X			61.6	21.8	95.4	2.9
LYNKS LX4355	92.7	91.1	60.7	22.6	80.1	4.4
COKER 8701		98.9	60.7	23.6	89.4	3.0
SOLAR SEED SO-4000			59.9	19.6	82.4	7.4
TERRA INT'L. TR364E			59.9	24.6	87.0	2.2
THE NEW N-K S7759	97.0	93.3	59.7	22.7	94.0	1.9
PRAIRIE STREAM SX702	93.4	98.8	59.6	21.2	89.4	18.6
THE NEW N-K 7705			59.4	22.6	92.1	3.0
CARGILL 8027			59.0	24.4	90.7	0.5
AGRIPRO AP670	95.5	86.9	58.7	23.3	91.2	0.0
ADLERS 88X	97.2	102.0	57.5	23.1	93.5	11.6
GARST SEED 8116			57.5	24.2	83.3	2.3
PIONEER BRAND 3343			56.6	22.9	85.2	1.0
GLICK SEED GH784			56.6	23.6	89.4	2.0
SEDEX 1172			56.1	26.7	75.9	0.6
FR27 X M017	98.6	95.6	54.9	21.9	92.6	9.5
PRAIRIE STREAM SX703			52.9	25.1	79.2	1.2
CROW'S 682			52.5	20.9	85.2	4.3
D&H SEEDS DH9116			51.6	23.3	86.6	0.6
THE NEW N-K PX9540		93.4	51.6	22.4	94.0	0.5
SO. CROSS 711			51.2	23.8	95.8	0.5
ZIMMERMAN Z31			50.9	22.8	94.0	1.5
SO. STATES SS728	91.9	86.8	50.6	23.0	89.4	0.0
JACQUES 8210		94.4	50.5	23.7	89.4	0.0
CARGILL 967	95.5	95.4	50.1	22.0	89.4	1.5
SOLAR SEED SO-4020			49.0	22.7	51.9	0.0
FR27 X LH38	91.9	88.1	47.7	23.3	82.4	4.1
GLICK SEED GH76X			46.3	22.7	87.5	0.5
CARGILL 7990	93.0	96.5	46.3	23.4	80.6	8.0
SUN PRAIRIE SP240	89.5	86.4	40.7	21.2	89.4	5.2
YELLOW AVERAGE	100.1	100.9	69.6	23.4	84.4	4.3
WHITE HYBRIDS						
PIONEER BRAND 3144W	110.6	119.2	95.7	24.5	81.9	4.5
SO. STATES SS917W			89.7	28.3	89.8	10.4
ASGROW/O'S GOLD RX956W		109.5	84.8	26.9	88.4	5.3
AGRIGOLD A-6795W	96.7	99.5	76.9	29.2	89.8	7.4
AGRIGOLD A-6796W			74.6	26.7	94.4	1.0
ZIMMERMAN Z54W			74.2	27.4	92.1	9.5
VINEYARD SEED MV-68AW			69.6	26.3	88.0	3.2
ZIMMERMAN Z14W	93.8	98.3	66.4	26.4	89.8	11.4
ZIMMERMAN Z60W	84.0	89.4	66.2	29.3	92.1	7.4
COKER 833W	76.4	83.0	60.8	27.3	82.9	4.5
SUPER CROST SC-W700			57.8	25.8	91.2	18.0
AGRATECH WS2550			52.5	25.0	90.3	0.0
VINEYARD SEED MV-58W	87.0	85.4	51.4	22.8	66.7	0.7
PIONEER BRAND 3283W			39.1	23.1	90.7	1.0
WHITE AVERAGE	91.4	97.8	68.5	26.4	87.7	6.0
GRAND AVERAGE	99.1	100.5	69.5	23.7	84.7	4.5
LSD(0.10)	11.0	13.7	18.6	2.1	7.6	5.2
C.V.			19.9	6.7	6.6	87.3

TABLE 9.—LEXINGTON, (continued)

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	BU/AC 87-88	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS						
GOLDEN AC. T-E 6998	102.7	110.4	66.8	21.7	83.8	17.6
COLBERT 313			66.6	22.4	92.1	0.0
HYPERFORMER HS56		92.2	66.5	23.8	75.0	10.0
SUN PRAIRIE SP4520			66.3	25.2	92.6	2.0
AGRIGOLD A-6655		103.5	66.3	23.7	79.6	1.2
AGRATECH GK900	97.7	98.4	65.5	25.3	61.6	18.5
AGRATECH GK750	99.0	99.4	65.4	23.2	74.5	1.9
COLBERT 345	92.4	97.3	63.2	24.4	94.0	16.2
SO. CROSS 411			62.8	23.3	81.0	1.2
BECK'S 83X			62.8	22.3	88.9	2.8
PFISTER HYBRIDS 4571	91.1	84.6	62.8	22.4	89.8	4.7
SO. STATES SS810		89.8	62.5	23.8	68.1	0.0
ASGROW/O'S GOLD RX860			61.8	23.3	91.2	1.0
CAVERDALE FM. CF800			61.7	23.9	72.7	4.8
GLICK SEED GH80X			61.6	21.8	95.4	2.9
LYNKS LX4355	92.7	91.1	60.7	22.6	80.1	4.4
COKER 8701		98.9	60.7	23.6	89.4	3.0
SOLAR SEED SO-4000			59.9	19.6	82.4	7.4
TERRA INT'L. TR364E			59.9	24.6	87.0	2.2
THE NEW N-K S7759	97.0	93.3	59.7	22.7	94.0	1.9
PRAIRIE STREAM SX702	93.4	98.8	59.6	21.2	89.4	18.6
THE NEW N-K 7705			59.4	22.6	92.1	3.0
CARGILL 8027			59.0	24.4	90.7	0.5
AGRIPRO AP670	95.5	86.9	58.7	23.3	91.2	0.0
ADLERS 88X	97.2	102.0	57.5	23.1	93.5	11.6
GARST SEED 8116			57.5	24.2	83.3	2.3
PIONEER BRAND 3343			56.6	22.9	85.2	1.0
GLICK SEED GH784			56.6	23.6	89.4	2.0
SEDEX 1172			56.1	26.7	75.9	0.6
FR27 X M017	98.6	95.6	54.9	21.9	92.6	9.5
PRAIRIE STREAM SX703			52.9	25.1	79.2	1.2
CROW'S 682			52.5	20.9	85.2	4.3
D&H SEEDS DH9116			51.6	23.3	86.6	0.6
THE NEW N-K PX9540		93.4	51.6	22.4	94.0	0.5
SO. CROSS 711			51.2	23.8	95.8	0.5
ZIMMERMAN Z31			50.9	22.8	94.0	1.5
SO. STATES SS728	91.9	86.8	50.6	23.0	89.4	0.0
JACQUES 8210		94.4	50.5	23.7	89.4	0.0
CARGILL 967	95.5	95.4	50.1	22.0	89.4	1.5
SOLAR SEED SO-4020			49.0	22.7	51.9	0.0
FR27 X LH38	91.9	88.1	47.7	23.3	82.4	4.1
GLICK SEED GH76X			46.3	22.7	87.5	0.5
CARGILL 7990	93.0	96.5	46.3	23.4	80.6	8.0
SUN PRAIRIE SP240	89.5	86.4	40.7	21.2	89.4	5.2
YELLOW AVERAGE	100.1	100.9	69.6	23.4	84.4	4.3
WHITE HYBRIDS						
PIONEER BRAND 3144W	110.6	119.2	95.7	24.5	81.9	4.5
SO. STATES SS917W			89.7	28.3	89.8	10.4
ASGROW/O'S GOLD RX956W		109.5	84.8	26.9	88.4	5.3
AGRIGOLD A-6795W	96.7	99.5	76.9	29.2	89.8	7.4
AGRIGOLD A-6796W			74.6	26.7	94.4	1.0
ZIMMERMAN Z54W			74.2	27.4	92.1	9.5
VINEYARD SEED MV-68AW			69.6	26.3	88.0	3.2
ZIMMERMAN Z14W	93.8	98.3	66.4	26.4	89.8	11.4
ZIMMERMAN Z60W	84.0	89.4	66.2	29.3	92.1	7.4
COKER 833W	76.4	83.0	60.8	27.3	82.9	4.5
SUPER CROST SC-W700			57.8	25.8	91.2	18.0
AGRATECH WS2550			52.5	25.0	90.3	0.0
VINEYARD SEED MV-58W	87.0	85.4	51.4	22.8	66.7	0.7
PIONEER BRAND 3283W			39.1	23.1	90.7	1.0
WHITE AVERAGE	91.4	97.8	68.5	26.4	87.7	6.0
GRAND AVERAGE	99.1	100.5	69.5	23.7	84.7	4.5
LSD(0.10)	11.0	13.7	18.6	2.1	7.6	5.2
C.V.			19.9	6.7	6.6	87.3

**TABLE 9.—ANNUAL SUMMARY, LEXINGTON**

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	BU/AC 87-88	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
<b>YELLOW HYBRIDS</b>						
PIONEER BRAND 3165	111.0	115.4	99.3	28.7	87.0	3.1
GARST SEED 8315			98.1	24.1	85.6	5.4
PIONEER BRAND 3140			91.0	23.3	80.1	4.2
LYNKS DS642	110.9	116.4	90.4	21.5	85.6	5.9
MCCURDY 7700			88.5	23.1	89.4	1.0
GOLDEN AC. T-E 6996	108.6	112.8	88.4	25.6	69.0	12.2
COLBERT 326	103.8	110.6	88.2	24.2	94.4	5.4
BO-JAC 9310			88.0	26.5	62.5	2.8
MCCURDY 7777			86.8	25.4	84.7	2.6
DEKALB-PFIZER DK649			86.8	23.8	79.6	1.7
AGRATECH 825			86.0	22.8	88.4	1.0
YOUNG SEED ORO180			85.8	22.1	92.6	6.6
AGRIGOLD A-6615		101.3	85.0	21.9	65.3	3.4
SO. CROSS 511	97.4	100.4	84.6	23.1	83.3	1.7
DEKALB-PFIZER DK689	100.3	106.4	84.3	24.7	83.3	9.0
SUPER CROST 5460	107.2	106.3	84.3	21.9	87.5	2.1
THE NEW N-K PX9581	106.5	105.9	84.0	21.7	86.6	7.5
BECK'S 72X			83.3	24.6	93.5	10.8
COKER 8677			82.5	25.1	88.9	3.7
BECK'S 64XA		115.1	82.4	22.5	84.7	0.0
STEWART HYBRIDS S-6973	102.3	110.6	81.8	22.6	75.9	4.8
FUNK'S G-4665			80.2	25.9	89.8	0.5
GARST SEED 8344	111.4	107.5	79.7	21.5	92.1	0.0
AGRIPRO AP850		106.3	79.6	23.8	89.4	1.5
MCCURDY 7400			78.9	23.7	85.6	1.1
MCCURDY 7676	106.7	107.4	78.7	20.9	81.9	14.1
CROW'S 688	101.2	103.5	78.6	21.9	87.5	9.4
JACOBI 6603			78.5	22.1	89.4	0.0
SO. STATES SS811	96.9	100.5	78.3	25.7	94.4	4.9
ZIMMERMAN 227	105.3	107.3	78.2	23.6	90.3	3.1
PRINCETON SX860	96.7	96.2	77.5	26.9	59.3	0.0
YOUNG SEED ORO150			77.4	22.1	79.2	1.8
D&H SEEDS DH9120			76.4	24.6	90.3	12.6
PIONEER BRAND 3295		101.2	76.0	24.6	91.2	1.0
STEWART HYBRIDS S-8423			75.8	26.8	84.7	0.0
LEADER SX717	97.4	96.9	75.7	22.9	66.2	7.5
AGRIPRO HP555	107.4	107.7	74.8	22.4	69.9	6.2
COKER 8690		108.2	74.8	22.2	83.8	3.4
JACOBI 8850		97.0	74.8	25.8	80.6	1.8
CROW'S 647			74.7	26.4	89.4	8.6
PFISTER HYBRIDS 4470	100.9	99.5	74.5	20.9	78.2	6.3
PIONEER BRAND 3320	102.4	106.1	74.5	23.5	93.5	4.4
STEWART SEEDS SX87	105.7	103.1	74.4	22.4	89.4	2.6
FUNK'S G-4666		106.8	73.9	22.3	93.1	0.0
SEEDTEC ST-7750	96.7	95.4	73.2	22.7	85.6	0.0
FUNK'S RA1502	104.2	104.1	72.9	22.7	89.4	5.2
ASGROW/O'S GOLD 2570	105.9	110.2	72.2	22.3	86.6	12.8
SO. STATES SS807			71.7	25.6	92.6	2.0
GOLDEN AC. T-E 6994			71.6	22.8	68.5	6.8
STEWART HYBRIDS 77-1			71.0	23.6	86.6	0.5
JACQUES 8400			70.8	25.2	92.1	19.6
JACOBI 6720			70.5	23.7	89.8	0.5
FR27 X PA91	98.0	99.8	70.5	24.1	87.0	8.6
LYNKS DS645	105.4	99.1	70.4	24.0	87.0	4.9
BO-JAC 6760			70.4	24.1	84.3	0.6
SEEDTEC ST-2675	100.5	103.5	70.3	22.3	87.0	10.1
BO-JAC 905			70.2	23.5	74.5	1.1
ZIMMERMAN 228	106.5	104.5	70.1	25.1	69.0	0.7
CARGILL 9427		107.6	70.0	26.5	88.4	2.6
JACQUES 8700	95.6	98.6	69.5	23.0	81.5	12.6
HUBNER SEED H8717			69.3	26.0	84.7	0.0
FUNK'S G-4543		98.4	68.5	22.9	87.0	1.1
SEEDTEC ST-915			68.3	21.1	81.9	10.5
ADLERS 5990			68.1	22.7	94.4	0.0
CROW'S 488	95.3	96.3	67.8	19.1	88.0	7.0
D&H SEEDS DH7183	92.7	92.0	67.6	22.7	87.5	7.5
HYPERFORMER HS97		103.1	67.3	22.1	59.7	0.0
STEWART HYBRIDS S-8815			67.3	26.0	89.8	2.7
DEKALB-PFIZER DK711	103.1	101.8	67.1	21.7	80.6	4.1
CAVERNDALE FM. CF6065			67.0	24.8	64.4	6.1

TABLE 10.—ANNUAL SUMMARY, QUICKSAND

BRAND/HYBRID	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	BU/AC 87-88	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS						
MCCURDY 7777			157.9	16.5	87.5	3.7
PIONEER BRAND 3165	155.5	170.4	148.2	16.7	87.5	0.0
CARGILL 9427		150.1	139.2	17.1	76.9	15.4
TERRA INT'L. TR364E			139.2	15.8	84.7	3.4
BO-JAC 905			137.3	16.4	75.9	0.0
HUBNER SEED H8717			136.4	17.6	88.0	8.2
PIONEER BRAND 3140			134.4	16.7	86.6	0.0
STEWART HYBRIDS S-8815			132.2	16.1	92.6	2.1
YOUNG SEED ORO180			130.2	15.0	86.1	15.2
DEKALB-PFIZER DK689	159.7	163.8	128.5	16.8	81.9	1.8
ASGROW/O'S GOLD 2570	147.0	162.2	128.4	14.5	84.7	13.6
SEEDTEC ST-915			126.0	15.6	86.6	8.3
MCCURDY 7700			125.1	15.7	81.9	2.3
FR27 X PA91	149.9	153.8	123.5	16.5	78.7	12.9
FUNK'S G-4666		159.0	123.2	16.7	95.4	1.5
HYPERFORMER HS97		153.9	123.1	16.2	86.6	2.8
ZIMMERMAN Z28	128.0	139.7	123.1	15.2	88.9	6.5
SO. CROSS 711			121.8	14.8	87.0	4.2
JACOBI 6720			121.7	16.7	78.7	5.9
D&H SEEDS DH9120			121.6	16.2	82.9	13.5
CROW'S 488	132.5	147.3	121.4	14.2	94.0	17.7
COKER 8677			121.3	16.5	95.4	4.9
BO-JAC 9310			119.8	18.2	65.3	0.6
GOLDEN AC. T-E 6996	138.3	148.2	119.6	16.0	90.7	5.6
AGRIPRO AP850		145.8	118.9	18.8	89.4	0.5
THE NEW N-K PX9540		138.9	117.7	14.6	87.0	8.3
LYNKS DS645	141.7	147.1	117.7	15.8	82.9	6.1
SO. STATES SS810		144.9	117.6	14.8	88.0	4.1
AGRIGOLD A-6615		145.3	117.3	15.8	90.7	4.3
LYNKS DS642	140.8	150.7	117.2	14.9	76.4	21.6
STEWART HYBRIDS S-8423			116.7	16.3	90.3	13.8
AGRIPRO HP555	141.4	152.4	116.4	15.2	81.9	10.0
SUN PRAIRIE SP4520			116.0	15.9	80.6	5.7
PIONEER BRAND 3320	129.6	139.3	115.7	16.0	89.4	0.5
CROW'S 688	123.7	126.2	115.7	15.6	87.0	32.0
GARST SEED 8315			114.8	16.2	91.7	25.0
PIONEER BRAND 3343			114.3	15.5	85.6	1.1
COLBERT 326	127.6	138.4	114.2	16.5	76.4	13.9
SEEDTEC ST-2675	130.7	136.2	114.0	15.8	82.4	10.9
D&H SEEDS DH7183	143.7	144.3	113.4	16.0	82.4	11.2
AGRATECH GK750	126.6	134.0	112.6	15.7	83.8	1.8
ZIMMERMAN Z27	129.7	144.1	112.4	16.5	88.9	26.6
PRAIRIE STREAM SX702	136.3	143.7	112.3	15.3	71.3	18.4
THE NEW N-K PX9581	135.4	137.1	112.0	15.8	90.3	14.5
DEKALB-PFIZER DK649			111.2	16.0	78.2	2.1
BECK'S 72X			111.1	16.1	88.9	4.6
THE NEW N-K 7705			110.9	15.3	89.8	9.7
AGRIGOLD A-6655		152.6	110.3	16.2	82.9	5.3
FUNK'S G-4543		145.4	110.3	14.9	90.3	8.9
ADLERS 5990			110.0	15.4	94.4	0.5
CAVERDALE FM. CF800			109.8	15.6	71.3	4.9
GARST SEED 8116			109.6	16.0	75.5	5.6
CARGILL 8027			109.6	15.2	87.5	3.0
SO. STATES SS807			109.6	16.6	84.3	5.0
GOLDEN AC. T-E 6998	147.6	159.4	109.3	15.3	84.7	7.6
PIONEER BRAND 3295		152.1	108.8	16.1	89.4	2.4
STEWART SEEDS SX87	128.5	133.8	108.7	16.2	86.6	7.7
FUNK'S G-4665			108.3	16.8	91.7	1.5
ADLERS 88X	144.3	149.4	108.3	16.1	84.7	2.1
COKER 8701		143.2	108.2	16.2	76.9	1.9
BECK'S 64XA		132.1	107.6	15.9	86.6	10.9
GOLDEN AC. T-E 6994			107.6	16.1	78.7	13.4
SUN PRAIRIE SP240	132.5	148.8	107.2	14.5	70.8	13.9
LYNKS LX4355	137.0	147.9	106.9	15.2	82.9	5.0
SUPER CROST 5460	132.5	138.0	106.8	15.7	80.1	8.8
SO. CROSS 511	120.2	121.1	106.8	16.3	86.6	9.4
JACQUES 8400			105.4	16.7	88.0	15.3
COLBERT 313			105.2	16.3	80.6	5.8
GLICK SEED GH80X			104.8	15.5	86.6	3.1
AGRATECH 825			104.6	16.3	75.0	17.2

TABLE 10.—QUICKSAND (continued)

BRAND/HYBRID	YIELD BU/AC 86-88	YIELD BU/AC 87-88	YIELD BU/AC 1988	AVG % MOIST 1988	AVG % STAND 1988	TOTAL % LODGED 1988
YELLOW HYBRIDS						
GLICK SEED GH76X			104.6	15.9	87.0	3.9
SOLAR SEED SO-4000			104.5	15.1	80.6	17.0
JACQUES 8700	132.7	132.3	103.7	16.0	82.4	10.9
DEKALB-PFIZER DK711	145.3	142.4	103.6	18.6	82.9	11.3
CAVERNDALE FM. CF6065			103.5	16.5	85.6	8.7
SEDEX 1172			103.2	15.8	81.9	2.3
SOLAR SEED SO-4020			103.1	15.4	79.6	19.0
COLBERT 345	126.3	129.2	102.2	16.9	79.2	29.4
AGRATECH GK900	134.0	136.6	102.1	16.9	79.6	11.9
PFISTER HYBRIDS 4470	141.4	153.6	101.9	15.4	85.6	18.1
PRINCETON SX860	110.6	120.0	101.7	16.8	81.5	1.3
THE NEW N-K S7759	130.7	136.7	101.5	15.7	90.7	11.3
MCCURDY 7400			101.1	14.7	83.3	4.0
SO. STATES SS728	123.2	132.9	101.1	15.3	76.4	9.6
JACOBI 6603			100.9	16.6	86.6	5.9
COKER 8690		135.2	100.3	16.7	86.6	2.7
GARST SEED 8344	121.2	123.9	100.1	15.1	90.7	5.6
JACOBI 8850		127.7	99.7	16.4	77.8	5.9
STEWART HYBRIDS 77-1			99.6	15.7	80.1	7.3
SO. STATES SS811	113.3	122.0	98.7	17.7	90.3	16.3
SEEDTEC ST-7750	125.5	137.5	98.4	16.4	91.2	2.5
FR27 X MO17	129.3	135.9	97.5	14.6	78.2	6.9
LEADER SX717	120.3	123.8	97.3	15.9	74.1	21.0
MCCURDY 7676	141.1	149.6	96.5	15.0	78.7	18.1
CROW'S 682			96.4	16.5	87.0	9.1
CROW'S 647			95.4	14.6	81.0	15.9
D&H SEEDS DH9116			92.1	15.9	73.6	3.4
GLICK SEED GH784			91.8	15.3	86.6	6.6
FR27 X LH38	112.7	125.3	91.8	14.5	70.8	15.2
SO. CROSS 411			90.6	10.3	65.3	23.3
FUNK'S RA1502	124.3	132.8	89.2	15.3	73.1	19.3
ZIMMERMAN Z31			87.0	16.0	83.3	7.9
CARGILL 967	119.8	118.6	85.9	14.5	82.9	13.3
ASGROW/O'S GOLD RX860			84.4	16.1	80.6	4.2
PRAIRIE STREAM SX703			83.5	15.4	80.1	0.6
BECK'S 83X			83.3	16.2	83.3	3.6
PFISTER HYBRIDS 4571	133.1	129.2	82.9	16.3	81.5	28.2
YOUNG SEED ORO150			82.4	14.9	76.9	10.9
JACQUES 8210		124.0	82.0	15.9	70.8	15.1
CARGILL 7990	115.4	114.1	81.0	16.0	72.2	24.9
STEWART HYBRIDS S-6973	134.3	130.3	80.1	16.1	66.2	6.7
AGRIPRO AP670	116.9	118.3	80.0	15.2	79.6	11.8
BO-JAC 6760			79.7	16.0	86.6	3.3
HYPERFORMER HS56		113.9	78.6	15.9	77.3	13.1
YELLOW AVERAGE	132.2	139.5	108.5	15.9	83.0	9.1
WHITE HYBRIDS						
ZIMMERMAN Z14W	136.8	152.0	134.0	18.2	91.2	8.8
ASGROW/O'S GOLD RX956W		150.5	126.3	18.6	92.6	2.6
SO. STATES SS917W			126.1	18.3	75.9	7.6
AGRATECH WS2550			116.1	14.9	89.8	2.6
VINEYARD SEED MV-68AW			115.8	17.5	92.1	0.0
PIONEER BRAND 3144W	132.3	135.2	113.3	16.9	80.1	1.7
ZIMMERMAN Z54W			109.5	18.0	92.1	4.2
VINEYARD SEED MV-58W	139.2	138.2	108.7	17.5	83.3	4.7
SUPER CROST SC-W700			107.6	18.2	87.0	11.9
COKER 833W	108.7	121.6	102.2	17.8	80.1	0.0
PIONEER BRAND 3283W			100.8	15.2	88.0	2.5
ZIMMERMAN Z60W	119.0	131.2	95.9	17.3	92.1	9.3
AGRIGOLD A-6796W			95.4	18.7	83.3	2.5
AGRIGOLD A-6795W	121.9	129.8	94.3	19.0	83.3	7.9
WHITE AVERAGE	126.3	136.9	110.4	17.6	86.5	4.7
GRAND AVERAGE	131.5	139.2	108.7	16.1	83.4	8.7
LSD(0.10)	15.4	20.5	30.0	1.5	11.9	12.3
C.V.			20.5	7.0	10.6	107.3

TABLE 11.—ANNUAL SUMMARY, ALL NON-VIRUS LOCATIONS, 1988

BRAND/HYBRID	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS				
PIONEER BRAND 3165	122.3	21.8	79.9	0.8
MCCURDY 7777	119.5	20.1	82.8	3.0
PIONEER BRAND 3140	117.7	19.4	78.2	2.4
COLBERT 326	117.2	18.6	85.7	7.7
PIONEER BRAND 3320	115.8	19.4	89.3	3.8
COKER 8677	112.0	19.9	83.0	3.5
GARST SEED 8315	110.4	18.8	81.6	8.9
FUNK'S G-4666	109.0	19.2	84.7	2.4
GOLDEN AC. T-E 6996	109.0	20.1	79.0	5.3
DEKALB-PFIZER DK689	108.4	19.9	80.5	4.8
CARGILL 9427	108.3	20.1	78.4	6.7
HUBNER SEED H8717	107.6	19.5	81.1	2.8
MCCURDY 7700	106.9	19.2	78.5	2.1
SO. CROSS 511	106.8	18.8	81.9	5.0
HYPERFORMER HS97	106.3	19.3	72.9	1.7
BO-JAC 905	106.3	19.8	73.4	1.4
SEEDTEC ST-7750	105.9	19.2	82.9	1.7
TERRA INT'L. TR364E	105.7	19.3	82.0	2.6
PRAIRIE STREAM SX702	105.4	18.3	82.3	11.5
PIONEER BRAND 3295	104.8	19.6	84.2	3.9
COKER 8701	104.4	19.0	80.8	2.9
SEEDTEC ST-2675	104.2	18.8	81.0	9.1
D&H SEEDS DH7183	104.2	18.7	81.4	7.1
AGRIPRO HP555	104.2	18.6	76.6	6.8
ASGROW/O'S GOLD 2570	103.8	18.2	82.9	9.3
CROW'S 688	103.7	18.9	81.0	10.2
LYNK'S DS642	103.5	18.3	83.1	9.4
BO-JAC 9310	103.4	21.4	64.5	0.8
AGRIPRO AP850	103.2	20.3	82.8	3.7
BECK'S 64XA	102.8	17.8	80.2	4.7
JACQUES 8700	102.3	19.9	76.2	7.3
PFISTER HYBRIDS 4470	102.1	18.0	78.2	8.6
THE NEW N-K PX9581	101.9	18.2	82.7	9.7
STEWART HYBRIDS S-8423	101.9	19.6	82.1	5.4
BECK'S 72X	101.7	18.8	82.1	6.9
GARST SEED 8116	101.6	19.6	79.2	2.9
YOUNG SEED ORO180	101.5	17.7	81.8	9.0
ZIMMERMAN Z28	101.2	19.2	76.9	4.5
SUN PRAIRIE SP4520	101.1	19.6	85.2	3.2
COKER 8690	101.0	18.8	80.3	4.3
DEKALB-PFIZER DK649	101.1	19.0	71.0	1.5
GOLDEN AC. T-E 6998	101.0	19.4	80.2	8.4
SO. STATES SS810	100.7	18.8	77.3	2.5
ZIMMERMAN Z27	100.6	19.1	82.1	10.9
SEEDTEC ST-915	100.5	18.1	80.9	8.4
CROW'S 647	100.4	18.4	79.5	9.9
MCCURDY 7676	100.4	18.0	78.1	10.8
JACOBI 6720	100.1	19.2	78.9	4.6
JACOBI 8850	100.0	20.0	74.4	4.1
DEKALB-PFIZER DK711	100.0	19.7	79.0	4.7
JACQUES 8400	99.8	20.2	84.3	10.2
STEWART HYBRIDS S-8815	99.8	20.2	82.3	2.6
FUNK'S G-4665	99.3	20.4	84.3	2.8
CAVERDALE FM. CF6065	98.9	20.2	77.3	5.2
LYNK'S DS645	98.7	19.3	85.6	3.7
PIONEER BRAND 3343	98.4	18.4	81.2	2.2
D&H SEEDS DH9120	98.3	20.3	80.7	7.8
COLBERT 345	98.1	19.6	80.8	13.0
AGRATECH GK900	98.0	20.2	71.4	7.8
MCCURDY 7400	97.9	18.4	78.3	3.1
JACOBI 6603	97.7	18.5	81.2	3.1
BECK'S 83X	97.4	19.4	81.9	3.3
FR27 X PA91	97.4	19.9	73.0	6.4
FUNK'S RA1502	97.2	18.8	81.8	5.8
SEDEX 1172	97.2	19.8	76.0	2.8
AGRATECH 825	97.1	19.3	82.8	4.1
GOLDEN AC. T-E 6994	96.5	18.6	72.1	7.4
GARST SEED 8344	96.4	17.8	83.6	3.5
AGRIGOLD A-6615	95.7	18.2	76.5	3.6
LEADER SX717	95.7	19.3	71.9	8.6

TABLE 11.—NON-VIRUS LOCATIONS (continued)

BRAND/HYBRID	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 1988	MOIST 1988	STAND 1988	LOGGED 1988
<b>YELLOW HYBRIDS</b>				
ADLERS 88X	95.6	19.4	81.5	4.9
CROW'S 488	95.3	16.9	79.4	7.4
CARGILL 8027	95.0	18.3	84.5	2.2
GLICK SEED GH80X	94.7	18.3	87.5	4.2
SO. STATES SS807	94.5	19.5	85.5	3.0
AGRIGOLD A-6655	94.3	19.5	76.8	4.1
CARGILL 967	94.0	17.9	80.4	7.2
AGRATECH GK750	93.9	18.4	78.7	2.8
STEWART HYBRIDS S-6973	93.5	18.9	70.9	5.6
SUPER CROST 5460	93.2	18.4	80.9	4.0
STEWART SEEDS SX87	93.2	19.2	77.6	3.3
LYNKS LX4355	93.1	18.2	79.0	6.3
STEWART HYBRIDS 77-1	92.9	19.2	83.0	3.3
FUNK'S G-4543	92.7	18.4	82.0	4.4
BO-JAC 6760	92.1	19.1	78.3	2.8
SO. CROSS 711	92.0	18.3	82.1	3.1
ADLERS 5990	91.9	18.5	85.8	2.6
THE NEW N-K S7759	91.8	18.3	83.7	6.1
ASGROW/O'S GOLD RX860	91.2	19.5	78.9	2.8
SO. STATES SS728	90.5	18.3	79.8	3.6
FR27 X M017	89.4	17.6	80.2	6.4
THE NEW N-K 7705	89.3	17.8	83.4	4.3
CROW'S 682	89.2	17.8	79.5	4.8
ZIMMERMAN Z31	88.8	19.0	82.8	3.9
COLBERT 313	88.8	18.2	78.6	2.6
SOLAR SEED SO-4020	88.4	17.8	69.2	5.4
SOLAR SEED SO-4000	88.3	17.1	70.0	7.3
GLICK SEED GH784	88.2	18.3	83.5	4.2
THE NEW N-K PX9540	87.9	18.1	82.5	3.8
JACQUES 8210	87.7	18.9	81.2	6.0
YOUNG SEED ORO150	87.6	17.7	70.4	4.5
GLICK SEED GH76X	87.3	17.9	83.3	2.8
PFISTER HYBRIDS 4571	86.3	18.9	80.5	7.4
CARGILL 7990	86.3	18.4	77.1	9.6
CAVERNDALE FM. CF800	86.0	18.6	68.9	4.6
SO. STATES SS811	85.7	19.7	82.9	9.1
SUN PRAIRIE SP240	85.2	17.7	81.6	10.0
SO. CROSS 411	85.1	18.1	77.9	6.0
AGRIPRO AP670	84.6	18.8	83.1	3.4
PRINCETON SX860	83.9	20.3	67.7	0.6
HYPERFORMER HS56	83.1	18.7	70.9	6.0
D&H SEEDS DH9116	82.7	19.0	72.4	3.4
PRAIRIE STREAM SX703	81.4	18.6	73.3	1.6
FR27 X LH38	78.5	17.5	73.7	6.2
<b>YELLOW AVERAGE</b>	<b>97.8</b>	<b>18.9</b>	<b>79.5</b>	<b>5.2</b>
<b>WHITE HYBRIDS</b>				
PIONEER BRAND 3144W	113.4	20.0	81.0	4.1
ZIMMERMAN Z14W	106.4	21.6	85.7	9.7
SUPER CROST SC-W700	100.6	21.1	87.6	10.6
ZIMMERMAN Z54W	98.7	21.0	85.4	6.7
AGRATECH WS2550	96.5	18.7	84.7	2.4
VINEYARD SEED MV-68AW	96.0	21.3	81.3	6.4
ASGROW/O'S GOLD RX956W	94.3	21.4	81.7	5.7
ZIMMERMAN Z60W	94.0	21.7	85.2	7.0
SO. STATES SS917W	93.3	21.2	80.2	7.9
COKER 833W	89.9	21.2	74.4	3.4
AGRIGOLD A-6795W	85.8	21.1	79.9	11.4
AGRIGOLD A-6796W	85.3	21.2	82.4	5.9
PIONEER BRAND 3283W	83.4	18.0	83.5	2.9
VINEYARD SEED MV-58W	82.7	19.2	67.9	4.8
<b>WHITE AVERAGE</b>	<b>94.3</b>	<b>20.6</b>	<b>81.5</b>	<b>6.4</b>
<b>GRAND AVERAGE</b>	<b>97.5</b>	<b>19.1</b>	<b>79.7</b>	<b>5.3</b>
<b>LSD(0.10)</b>	<b>9.1</b>	<b>0.7</b>	<b>3.9</b>	<b>2.8</b>

TABLE 12.—TWO-YEAR SUMMARY, NON-VIRUS LOCATIONS,  
1987-88

BRAND/HYBRID	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 87-88	MOIST 87-88	STAND 87-88	LODGED 87-88
YELLOW HYBRIDS				
PIONEER BRAND 3165	151.8	19.3	86.8	1.5
DEKALB-PFIZER DK689	140.7	17.3	83.3	3.2
PIONEER BRAND 3320	140.6	17.2	91.3	3.1
GOLDEN AC. T-E 6998	138.1	17.6	84.0	5.7
HYPERFORMER HS97	137.7	17.2	82.1	1.9
COLBERT 326	137.1	16.9	88.4	5.7
MCCURDY 7676	136.9	16.5	83.9	6.5
PRAIRIE STREAM SX702	136.8	16.2	85.8	8.7
PFISTER HYBRIDS 4470	136.8	16.6	84.3	5.4
FUNK'S G-4666	136.4	17.1	88.1	2.2
PIONEER BRAND 3295	136.1	17.0	87.8	3.9
LYNKS DS642	135.3	16.6	86.1	6.2
AGRIPRO HP555	134.9	17.3	83.2	4.8
CARGILL 9427	134.4	17.7	85.4	4.6
COKER 8701	134.0	17.1	84.8	2.3
GOLDEN AC. T-E 6996	133.8	18.3	80.3	3.7
AGRIGOLD A-6655	133.3	17.0	84.4	3.1
ASGROW/O'S GOLD 2570	133.3	16.6	84.4	6.6
ZIMMERMAN Z27	132.9	16.8	85.0	6.9
COLBERT 345	132.5	18.2	84.8	8.6
BECK'S 64XA	131.9	15.3	85.0	3.0
JACQUES 8700	131.9	18.0	82.7	5.0
ZIMMERMAN Z28	131.5	16.9	82.4	3.5
SEEDTEC ST-7750	131.4	17.1	84.6	1.6
STEWART HYBRIDS S-6973	131.0	16.7	79.4	5.0
SEEDTEC ST-2675	130.8	17.0	85.6	5.8
FR27 X PA91	130.4	17.9	80.3	4.8
ADLERS 88X	130.2	17.7	85.6	4.2
D&H SEEDS DH7183	129.9	17.5	84.0	4.9
COKER 8690	129.7	16.9	80.8	3.7
LYNKS DS645	129.1	17.6	88.6	2.6
FUNK'S RA1502	128.7	17.3	85.8	4.3
THE NEW N-K PX9581	128.6	17.2	85.3	7.0
AGRIPRO AP850	127.1	18.5	86.2	3.0
CARGILL 967	126.5	16.0	86.2	5.5
DEKALB-PFIZER DK711	126.3	17.9	81.7	3.3
SO. STATES SS810	126.2	16.7	83.5	2.2
AGRATECH GK900	126.1	18.1	80.5	6.0
THE NEW N-K S7759	125.9	16.4	87.8	4.2
CROW'S 688	125.9	17.4	84.0	6.8
FUNK'S G-4543	125.1	16.6	85.9	3.1
LYNKS LX4355	123.8	16.3	84.0	5.0
FR27 X M017	123.7	16.0	85.4	4.8
SUN PRAIRIE SP240	123.3	16.3	86.4	7.4
SUPER CROST 5460	123.3	17.1	86.0	2.5
GARST SEED 8344	122.7	16.4	86.6	2.6
JACOBI 8850	122.5	17.4	79.8	3.7
SO. CROSS 511	122.4	17.4	76.0	3.7
LEADER SX717	122.1	17.4	76.4	5.9
JACQUES 8210	122.0	17.2	85.1	4.2
AGRIGOLD A-6615	121.7	16.8	83.9	2.4
AGRATECH GK750	121.2	16.8	84.8	2.0
CARGILL 7990	121.0	16.3	84.1	6.3
PFISTER HYBRIDS 4571	121.0	17.4	84.8	5.2
SO. STATES SS728	121.0	16.7	85.2	2.8
CROW'S 488	120.5	15.4	82.6	4.7
SO. STATES SS811	120.4	17.4	86.5	6.2
THE NEW N-K PX9540	120.0	16.3	86.3	2.9
AGRIPRO AP670	119.6	16.8	87.6	3.2
STEWART SEEDS SX87	118.2	17.5	78.9	2.6
PRINCETON SX860	109.6	18.0	78.6	1.2
HYPERFORMER HS56	108.6	17.1	73.4	4.3
FR27 X LH38	107.5	15.7	79.5	4.2
YELLOW AVERAGE	128.1	17.1	84.0	4.3
WHITE HYBRIDS				
PIONEER BRAND 3144W	139.5	17.9	82.1	3.2
ZIMMERMAN Z14W	134.1	19.3	85.7	6.7
ASGROW/O'S GOLD RX956W	122.3	19.4	82.9	4.2
ZIMMERMAN Z60W	122.2	18.9	86.3	5.5
AGRIGOLD A-6795W	119.9	19.0	86.0	8.3
COKER 833W	115.1	18.8	80.7	2.6
VINEYARD SEED MV-58W	113.1	17.5	79.7	4.1
WHITE AVERAGE	123.8	18.7	83.3	4.9
GRAND AVERAGE	127.7	17.2	83.9	4.4
LSD(0.10)	7.0	0.4	2.5	1.7



TABLE 15.—CORN VIRUS TEST, FRANKFORT

BRAND/HYBRID	YIELD BU/AC 86-88	YIELD BU/AC 87-88	YIELD BU/AC 1988	AVG % MOIST 1988	AVG % STAND 1988	TOTAL % LODGED 1988	VIRUS RATING 87-88
YELLOW HYBRIDS							
AGRIPRO AP793			109.5	17.8	79.6	0.0	
MCCURDY 7777	71.4	71.9	103.6	21.0	79.2	0.5	3.5
YOUNG SEED ORO151			103.0	18.5	80.1	0.0	
AGRATECH 888	61.3	62.7	102.9	19.7	87.5	0.0	4.0
CARGILL 8527			102.9	20.9	82.9	0.0	
HUBNER SEED H8717			100.0	20.3	83.8	0.0	
BO-JAC 905	61.2	60.3	99.5	19.8	79.2	0.5	5.2
FUNK'S G-4666	67.2	64.9	98.2	19.2	88.9	0.0	4.3
SO. STATES SS844V		64.9	97.3	21.7	87.5	0.0	2.5
PRAIRIE STREAM X2317	70.6	69.7	97.2	20.5	90.3	0.0	1.1
MCCURDY 7700	62.0	58.9	96.9	22.3	85.2	0.0	4.4
SEDEX 1172			94.9	20.7	84.7	0.0	
SUPER CROST 7195	64.9	64.0	93.1	19.9	88.9	0.0	2.3
HUBNER SEED H3519			92.2	20.6	83.8	0.6	
JACQUES 8280		55.0	91.4	20.7	81.5	0.0	3.5
ASGROW/O'S GOLD XP8007			90.6	20.8	80.6	0.6	
SEEDTEC ST-7750	60.7	54.9	90.4	20.6	83.8	0.0	4.6
BECK'S 85MDM	68.5	66.9	90.3	20.5	85.2	1.6	1.2
COKER 8696	81.6	83.1	89.6	20.9	80.1	0.0	2.5
JACQUES 9220			89.6	22.1	71.8	1.1	
SO. STATES SS814V			89.1	20.1	84.3	0.0	
THE NEW N-K S8645	61.7	54.2	87.3	20.9	86.6	0.0	5.2
SUPER CROST 5995		69.7	86.3	19.7	86.1	1.5	2.2
HYPERFORMER HS60		57.2	86.2	20.9	81.9	1.8	2.1
GARST SEED 8116		54.0	85.8	19.5	85.6	0.0	4.0
PIONEER BRAND 3147	70.2	68.6	85.5	20.8	81.5	0.0	1.6
GOLDEN AC. T-E 6997	70.6	71.4	85.5	19.5	77.8	1.8	1.4
JACOBI CX92	60.1	65.1	85.0	22.3	92.6	1.5	1.2
SOLAR SEED SO-6040			84.8	22.0	88.9	0.0	
DEKALB-PFIZER DK649			84.7	20.0	82.4	0.6	
AGRATECH EX8901			84.6	19.7	89.4	4.4	
AGRATECH GK900		51.3	82.5	20.9	65.3	0.7	4.3
FUNK'S EX8018			81.9	23.9	82.4	0.0	
AGRATECH GK875	59.8	62.5	81.7	21.5	88.0	1.1	1.2
ZIMMERMAN Z35	64.4	65.5	81.4	18.8	88.0	2.2	4.0
JACOBI 9250		72.6	80.2	19.4	76.9	0.0	1.0
TERRA INT'L. TR401E			80.0	21.1	90.7	0.0	
D&H SEEDS DH9225			79.4	21.4	73.6	4.5	
CAVERNDAL FM. CF900			79.1	18.0	81.0	0.5	
JACQUES 8250	64.3	61.1	77.3	21.0	88.0	0.0	1.6
DEKALB-PFIZER DK789	65.4	63.2	76.8	20.7	83.8	1.5	1.5
AGRIGOLD XA-178			76.6	23.0	90.7	2.5	
FUNK'S G-4743		52.5	76.6	20.5	80.6	0.0	2.8
ASGROW/O'S GOLD 3344		51.1	75.9	16.9	78.2	6.5	3.4
CROW'S 675		46.2	75.6	20.2	86.6	2.1	4.4
HUBNER SEED H3318			74.8	20.1	86.1	0.6	
PIONEER BRAND 3187	69.8	65.0	74.5	21.9	84.3	0.0	2.3
CHECK HYBRID YELLOW	38.3	53.4	73.8	19.0	85.4	4.0	6.6
TERRA INT'L. TR402E			73.7	21.4	88.0	0.0	
CARGILL SX16A	59.6	56.6	73.4	17.4	78.7	1.2	2.8
ZIMMERMAN Z33			72.5	22.0	87.0	0.0	
GARST SEED 8180			71.4	20.6	86.1	1.6	
LYNKS LX4521		55.8	70.8	20.6	75.9	3.6	2.3
JACOBI 8950	63.8	58.9	67.2	18.5	83.8	0.6	1.4
BO-JAC XM832	57.9	54.7	66.6	21.9	81.9	0.0	1.2
PFISTER HYBRIDS 4444	55.9	47.6	65.6	17.6	81.9	11.0	3.1
DEKALB-PFIZER DK689	64.6	55.1	64.4	20.9	85.2	0.6	1.5
D&H SEEDS DH7150	42.3	38.9	59.5	18.6	86.1	0.5	5.4
YELLOW AVERAGE	63.0	60.3	84.3	20.4	83.5	1.1	2.9
WHITE HYBRIDS							
ZIMMERMAN Z16W		62.8	105.4	20.8	90.3	0.0	4.5
SO. STATES SS917W		58.9	85.3	22.2	73.6	0.7	2.3
CHECK HYBRID WHITE	49.4	55.4	73.9	22.8	70.1	0.6	5.1
AGRIGOLD A-6796W			68.7	22.3	78.2	0.0	
WHITE AVERAGE	49.4	59.0	83.3	22.0	78.1	0.3	4.0
GRAND AVERAGE	62.5	60.2	84.3	20.5	83.2	1.0	3.0
LSD(0.10)	14.0	18.2	32.0	1.9	9.1	2.7	1.6
C.V.			16.2	7.0	8.2	190.1	35.5

TABLE 16.—ANNUAL SUMMARY, 1988, BOTH VIRUS LOCATIONS

BRAND/HYBRID	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS				
HUBNER SEED H8717	116.1	18.1	91.0	0.5
AGRIPRO AP793	115.0	16.9	84.3	0.0
BO-JAC 905	113.1	18.0	86.6	0.3
FUNK'S G-4666	110.9	17.4	91.2	0.0
MCCURDY 7777	110.6	18.1	83.8	0.8
GARST SEED 8116	107.5	17.9	88.7	0.0
CARGILL 8527	105.5	17.5	90.0	0.0
YOUNG SEED ORO151	102.8	16.5	80.8	0.3
BECK'S 85MDM	100.5	18.3	86.6	4.0
THE NEW N-K S8645	100.1	18.2	86.6	0.0
JACOBI 9250	99.8	17.7	83.1	1.4
SO. STATES SS844V	99.7	18.6	89.1	0.3
AGRATECH 888	98.8	17.4	91.2	1.2
PIONEER BRAND 3147	98.7	18.4	87.3	4.3
SUPER CROST 7195	98.4	17.4	90.5	1.1
JACQUES 9220	98.1	18.6	75.9	1.6
FUNK'S EX8018	97.9	21.3	86.8	0.0
SUPER CROST 5995	97.9	17.4	90.0	1.7
CAVERNDALE FM. CF900	97.4	16.4	84.7	1.0
ASGROW/O'S GOLD XP8007	96.2	18.7	83.6	5.9
DEKALB-PFIZER DK649	95.4	16.7	84.5	0.3
SEEDTEC ST-7750	94.8	18.3	87.5	0.3
GARST SEED 8180	94.5	17.4	90.3	2.6
AGRATECH GK900	94.2	17.9	75.7	1.5
GOLDEN AC. T-E 6997	93.6	17.5	80.3	4.0
AGRATECH EX8901	93.4	18.0	90.7	2.7
SO. STATES SS814V	93.2	17.7	87.7	1.5
ZIMMERMAN Z35	92.8	16.7	90.7	3.3
TERRA INT'L. TR401E	91.7	20.3	92.6	0.3
JACQUES 8250	91.5	17.9	90.3	1.0
JACOBI CX92	90.8	19.0	91.4	5.7
JACOBI 8950	90.3	16.9	89.4	2.4
LYNKS LX4521	89.0	17.3	83.8	4.8
PRAIRIE STREAM X2317	88.9	17.9	87.3	1.9
SOLAR SEED SO-6040	88.6	19.7	89.1	3.4
HYPERFORMER HS60	88.4	18.2	85.9	2.2
CARGILL SX16A	88.2	15.8	87.0	0.6
HUBNER SEED H3519	87.1	19.5	87.7	0.6
MCCURDY 7700	86.4	18.1	88.0	1.0
SEDEX 1172	86.0	18.1	86.1	0.3
COKER 8696	86.0	18.3	85.6	3.3
DEKALB-PFIZER DK689	84.9	17.8	88.2	0.3
AGRATECH GK875	84.8	18.7	88.4	3.7
JACQUES 8280	84.8	17.6	86.6	0.2
PIONEER BRAND 3187	84.6	18.8	88.2	1.3
FUNK'S G-4743	83.5	17.9	86.3	0.5
BO-JAC XM832	82.7	19.1	85.6	0.2
D&H SEEDS DH9225	82.0	18.2	79.2	7.6
CHECK HYBRID YELLOW	81.3	16.7	87.8	2.3
TERRA INT'L. TR402E	79.2	18.7	90.3	1.0
DEKALB-PFIZER DK789	78.6	18.8	85.2	3.1
HUBNER SEED H3318	77.8	18.5	89.4	0.8
ZIMMERMAN Z33	77.5	19.8	89.6	0.0
AGRIGOLD XA-178	77.0	19.6	89.8	3.0
ASGROW/O'S GOLD 3344	74.9	15.1	82.9	7.3
CROW'S 675	73.2	17.8	92.4	1.8
PFISTER HYBRIDS 4444	69.0	15.6	84.0	6.6
D&H SEEDS DH7150	65.8	16.6	87.0	2.3
YELLOW AVERAGE	91.6	18.0	87.0	1.9
WHITE HYBRIDS				
ZIMMERMAN Z16W	98.3	18.8	91.0	4.0
AGRIGOLD A-6796W	88.4	19.2	85.0	4.0
CHECK HYBRID WHITE	84.2	20.1	78.8	1.4
SO. STATES SS917W	83.2	18.8	82.2	3.5
WHITE AVERAGE	88.5	19.2	84.2	3.2
GRAND AVERAGE	91.4	18.0	86.8	2.0
LSD(0.10)	16.4	1.2	5.6	2.5

TABLE 15.—CORN VIRUS TEST, FRANKFORT

BRAND/HYBRID	YIELD BU/AC 86-88	YIELD BU/AC 87-88	YIELD BU/AC 1988	AVG % MOIST 1988	AVG % STAND 1988	TOTAL % LODGED 1988	VIRUS RATING 87-88
YELLOW HYBRIDS							
AGRIPRO AP793			109.5	17.8	79.6	0.0	
MCCURDY 7777	71.4	71.9	103.6	21.0	79.2	0.5	3.5
YOUNG SEED ORO151			103.0	18.5	80.1	0.0	
AGRATECH 888	61.3	62.7	102.9	19.7	87.5	0.0	4.0
CARGILL 8527			102.9	20.9	82.9	0.0	
HUBNER SEED H8717			100.0	20.3	83.8	0.0	
BO-JAC 905	61.2	60.3	99.5	19.8	79.2	0.5	5.2
FUNK'S G-4666	67.2	64.9	98.2	19.2	88.9	0.0	4.3
SO. STATES SS844V		64.9	97.3	21.7	87.5	0.0	2.5
PRAIRIE STREAM X2317	70.6	69.7	97.2	20.5	90.3	0.0	1.1
MCCURDY 7700	62.0	58.9	96.9	22.3	85.2	0.0	4.4
SEEDDEX 1172			94.9	20.7	84.7	0.0	
SUPER CROST 7195	64.9	64.0	93.1	19.9	88.9	0.0	2.3
HUBNER SEED H3519			92.2	20.6	83.8	0.6	
JACQUES 8280		55.0	91.4	20.7	81.5	0.0	3.5
ASGROW/O'S GOLD XP8007			90.6	20.8	80.6	0.6	
SEEDTEC ST-7750	60.7	54.9	90.4	20.6	83.8	0.0	4.6
BECK'S 85MDM	68.5	66.9	90.3	20.5	85.2	1.6	1.2
COKER 8696	81.6	83.1	89.6	20.9	80.1	0.0	2.5
JACQUES 9220			89.6	22.1	71.8	1.1	
SO. STATES SS814V			89.1	20.1	84.3	0.0	
THE NEW N-K S8645	61.7	54.2	87.3	20.9	86.6	0.0	5.2
SUPER CROST 5995		69.7	86.3	19.7	86.1	1.5	2.2
HYPERFORMER HS60		57.2	86.2	20.9	81.9	1.8	2.1
GARST SEED 8116		54.0	85.8	19.5	85.6	0.0	4.0
PIONEER BRAND 3147	70.2	68.6	85.5	20.8	81.5	0.0	1.6
GOLDEN AC. T-E 6997	70.6	71.4	85.5	19.5	77.8	1.8	1.4
JACOBI CX92	60.1	65.1	85.0	22.3	92.6	1.5	1.2
SOLAR SEED SO-6040			84.8	22.0	88.9	0.0	
DEKALB-PFIZER DK649			84.7	20.0	82.4	0.6	
AGRATECH EX8901			84.6	19.7	89.4	4.4	
AGRATECH GK900		51.3	82.5	20.9	65.3	0.7	4.3
FUNK'S EX8018			81.9	23.9	82.4	0.0	
AGRATECH GK875	59.8	62.5	81.7	21.5	88.0	1.1	1.2
ZIMMERMAN Z35	64.4	65.5	81.4	18.8	88.0	2.2	4.0
JACOBI 9250		72.6	80.2	19.4	76.9	0.0	1.0
TERRA INT'L. TR401E			80.0	21.1	90.7	0.0	
D&H SEEDS DH9225			79.4	21.4	73.6	4.5	
CAVERNDAL FM. CF900			79.1	18.0	81.0	0.5	
JACQUES 8250	64.3	61.1	77.3	21.0	88.0	0.0	1.6
DEKALB-PFIZER DK789	65.4	63.2	76.8	20.7	83.8	1.5	1.5
AGRIGOLD XA-178			76.6	23.0	90.7	2.5	
FUNK'S G-4743		52.5	76.6	20.5	80.6	0.0	2.8
ASGROW/O'S GOLD 3344		51.1	75.9	16.9	78.2	6.5	3.4
CROW'S 675		46.2	75.6	20.2	86.6	2.1	4.4
HUBNER SEED H3318			74.8	20.1	86.1	0.6	
PIONEER BRAND 3187	69.8	65.0	74.5	21.9	84.3	0.0	2.3
CHECK HYBRID YELLOW	38.3	53.4	73.8	19.0	85.4	4.0	6.6
TERRA INT'L. TR402E			73.7	21.4	88.0	0.0	
CARGILL SX16A	59.6	56.6	73.4	17.4	78.7	1.2	2.8
ZIMMERMAN Z33			72.5	22.0	87.0	0.0	
GARST SEED 8180			71.4	20.6	86.1	1.6	
LYNKS LX4521		55.8	70.8	20.6	75.9	3.6	2.3
JACOBI 8950	63.8	58.9	67.2	18.5	83.8	0.6	1.4
BO-JAC XM832	57.9	54.7	66.6	21.9	81.9	0.0	1.2
PFISTER HYBRIDS 4444	55.9	47.6	65.6	17.6	81.9	11.0	3.1
DEKALB-PFIZER DK689	64.6	55.1	64.4	20.9	85.2	0.6	1.5
D&H SEEDS DH7150	42.3	38.9	59.5	18.6	86.1	0.5	5.4
YELLOW AVERAGE	63.0	60.3	84.3	20.4	83.5	1.1	2.9
WHITE HYBRIDS							
ZIMMERMAN Z16W		62.8	105.4	20.8	90.3	0.0	4.5
SO. STATES SS917W		58.9	85.3	22.2	73.6	0.7	2.3
CHECK HYBRID WHITE	49.4	55.4	73.9	22.8	70.1	0.6	5.1
AGRIGOLD A-6796W			68.7	22.3	78.2	0.0	
WHITE AVERAGE	49.4	59.0	83.3	22.0	78.1	0.3	4.0
GRAND AVERAGE	62.5	60.2	84.3	20.5	83.2	1.0	3.0
LSD(0.10)	14.0	18.2	32.0	1.9	9.1	2.7	1.6
C.V.			16.2	7.0	8.2	190.1	35.5

TABLE 16.—ANNUAL SUMMARY, 1988, BOTH VIRUS LOCATIONS

BRAND/HYBRID	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 1988	MOIST 1988	STAND 1988	LODGED 1988
YELLOW HYBRIDS				
HUBNER SEED H8717	116.1	18.1	91.0	0.5
AGRIPRO AP793	115.0	16.9	84.3	0.0
BO-JAC 905	113.1	18.0	86.6	0.3
FUNK'S G-4666	110.9	17.4	91.2	0.0
MCCURDY 7777	110.6	18.1	83.8	0.8
GARST SEED 8116	107.5	17.9	88.7	0.0
CARGILL 8527	105.5	17.5	90.0	0.0
YOUNG SEED ORO151	102.8	16.5	80.8	0.3
BECK'S 85MDM	100.5	18.3	86.6	4.0
THE NEW N-K S8645	100.1	18.2	86.6	0.0
JACOBI 9250	99.8	17.7	83.1	1.4
SO. STATES SS844V	99.7	18.6	89.1	0.3
AGRATECH 888	98.8	17.4	91.2	1.2
PIONEER BRAND 3147	98.7	18.4	87.3	4.3
SUPER CROST 7195	98.4	17.4	90.5	1.1
JACQUES 9220	98.1	18.6	75.9	1.6
FUNK'S EX8018	97.9	21.3	86.8	0.0
SUPER CROST 5995	97.9	17.4	90.0	1.7
CAVERNDAL FM. CF900	97.4	16.4	84.7	1.0
ASGROW/O'S GOLD XP8007	96.2	18.7	83.6	5.9
DEKALB-PFIZER DK649	95.4	16.7	84.5	0.3
SEEDTEC ST-7750	94.8	18.3	87.5	0.3
GARST SEED 8180	94.5	17.4	90.3	2.6
AGRATECH GK900	94.2	17.9	75.7	1.5
GOLDEN AC. T-E 6997	93.6	17.5	80.3	4.0
AGRATECH EX8901	93.4	18.0	90.7	2.7
SO. STATES SS814V	93.2	17.7	87.7	1.5
ZIMMERMAN Z35	92.8	16.7	90.7	3.3
TERRA INT'L. TR401E	91.7	20.3	92.6	0.3
JACQUES 8250	91.5	17.9	90.3	1.0
JACOBI CX92	90.8	19.0	91.4	5.7
JACOBI 8950	90.3	16.9	89.4	2.4
LYNKS LX4521	89.0	17.3	83.8	4.8
PRAIRIE STREAM X2317	88.9	17.9	87.3	1.9
SOLAR SEED SO-6040	88.6	19.7	89.1	3.4
HYPERFORMER HS60	88.4	18.2	85.9	2.2
CARGILL SX16A	88.2	15.8	87.0	0.6
HUBNER SEED H3519	87.1	19.5	87.7	0.6
MCCURDY 7700	86.4	18.1	88.0	1.0
SEEDEX 1172	86.0	18.1	86.1	0.3
COKER 8696	86.0	18.3	85.6	3.3
DEKALB-PFIZER DK689	84.9	17.8	88.2	0.3
AGRATECH GK875	84.8	18.7	88.4	3.7
JACQUES 8280	84.8	17.6	86.6	0.2
PIONEER BRAND 3187	84.6	18.8	88.2	1.3
FUNK'S G-4743	83.5	17.9	86.3	0.5
BO-JAC XM832	82.7	19.1	85.6	0.2
D&H SEEDS DH9225	82.0	18.2	79.2	7.6
CHECK HYBRID YELLOW	81.3	16.7	87.8	2.3
TERRA INT'L. TR402E	79.2	18.7	90.3	1.0
DEKALB-PFIZER DK789	78.6	18.8	85.2	3.1
HUBNER SEED H3318	77.8	18.5	89.4	0.8
ZIMMERMAN Z33	77.5	19.8	89.6	0.0
AGRIGOLD XA-178	77.0	19.6	89.8	3.0
ASGROW/O'S GOLD 3344	74.9	15.1	82.9	7.3
CROW'S 675	73.2	17.8	92.4	1.8
PFISTER HYBRIDS 4444	69.0	15.6	84.0	6.6
D&H SEEDS DH7150	65.8	16.6	87.0	2.3
YELLOW AVERAGE	91.6	18.0	87.0	1.9
WHITE HYBRIDS				
ZIMMERMAN Z16W	98.3	18.8	91.0	4.0
AGRIGOLD A-6796W	88.4	19.2	85.0	4.0
CHECK HYBRID WHITE	84.2	20.1	78.8	1.4
SO. STATES SS917W	83.2	18.8	82.2	3.5
WHITE AVERAGE	88.5	19.2	84.2	3.2
GRAND AVERAGE	91.4	18.0	86.8	2.0
LSD(0.10)	16.4	1.2	5.6	2.5

TABLE 17.—TWO-YEAR SUMMARY, BOTH VIRUS LOCATIONS,  
1987-1988

BRAND/HYBRID	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 87-88	MOIST 87-88	STAND 87-88	LODGED 87-88
<b>YELLOW HYBRIDS</b>				
JACOBI 9250	89.5	17.5	81.0	5.3
FUNK'S G-4666	87.6	16.0	84.5	7.6
PIONEER BRAND 3147	86.9	16.7	79.7	8.3
GOLDEN AC. T-E 6997	86.8	15.9	79.4	3.8
BO-JAC 905	86.5	16.1	83.8	3.8
ZIMMERMAN Z35	86.4	15.3	84.8	6.7
MCCURDY 7777	86.3	16.5	78.6	5.2
SO. STATES SS844V	86.1	17.0	83.9	7.1
GARST SEED 8116	85.3	16.4	82.4	5.7
BECK'S 85MDM	83.9	16.7	83.1	4.9
JACOBI 8950	83.9	16.4	88.0	4.0
SUPER CROST 7195	83.0	16.6	85.9	2.5
COKER 8696	82.8	17.6	88.2	2.8
LYNKS LX4521	81.0	16.4	83.2	4.0
PIONEER BRAND 3187	80.7	17.5	81.0	9.8
JACOBI CX92	80.0	16.9	88.2	3.8
SUPER CROST 5995	79.9	15.9	83.8	3.1
DEKALB-PFIZER DK689	79.8	16.5	86.2	1.3
JACQUES 8250	79.7	16.9	86.0	3.1
DEKALB-PFIZER DK789	79.6	16.9	83.9	5.5
AGRATECH 888	79.2	15.8	87.6	7.1
SEEDTEC ST-7750	77.7	16.6	81.9	8.8
THE NEW N-K S8645	77.4	16.9	77.0	10.9
MCCURDY 7700	74.1	16.4	76.0	8.5
CARGILL SX16A	73.9	14.8	84.6	4.6
BO-JAC XM832	73.3	17.3	84.3	1.1
AGRATECH GK900	72.9	16.3	70.4	13.7
PRAIRIE STREAM X2317	72.2	16.4	80.2	3.0
AGRATECH GK875	70.9	16.7	85.4	4.2
HYPERFORMER HS60	66.5	16.6	81.7	7.2
FUNK'S G-4743	66.0	16.6	83.8	5.9
CHECK HYBRID YELLOW	65.7	16.2	80.7	12.0
JACQUES 8280	65.4	16.1	83.0	6.7
ASGROW/O'S GOLD 3344	64.6	14.4	80.9	6.7
PFISTER HYBRIDS 4444	62.9	15.1	79.9	7.2
D&H SEEDS DH7150	51.8	15.8	80.7	12.6
CROW'S 675	51.3	15.8	82.2	3.3
<b>YELLOW AVERAGE</b>	<b>76.8</b>	<b>16.4</b>	<b>82.6</b>	<b>6.0</b>
<b>WHITE HYBRIDS</b>				
ZIMMERMAN Z16W	76.0	17.3	81.1	22.8
CHECK HYBRID WHITE	75.1	18.1	76.5	8.0
SO. STATES SS917W	72.2	17.4	81.0	9.6
<b>WHITE AVERAGE</b>	<b>74.4</b>	<b>17.6</b>	<b>79.5</b>	<b>13.5</b>
<b>GRAND AVERAGE</b>	<b>76.6</b>	<b>16.5</b>	<b>82.4</b>	<b>6.6</b>
LSD(0.10)	11.0	1.2	4.9	5.0

**TABLE 18.—THREE-YEAR SUMMARY, BOTH VIRUS LOCATIONS,  
1986-1988**

BRAND/HYBRID	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-88	MOIST 86-88	STAND 86-88	LODGED 86-88
<b>YELLOW HYBRIDS</b>				
BO-JAC 905	97.4	17.3	81.2	4.4
FUNK'S G-4666	97.4	17.2	80.8	5.9
JACOBI 8950	96.9	18.1	83.1	3.8
ZIMMERMAN Z35	94.9	17.1	79.9	5.9
GOLDEN AC. T-E 6997	94.6	17.7	75.5	3.1
MCCURDY 7777	93.8	18.5	75.9	5.3
THE NEW N-K S8645	93.3	18.1	71.8	9.7
DEKALB-PFIZER DK689	93.1	18.5	82.2	2.0
SUPER CROST 7195	92.5	18.2	79.3	2.9
PIONEER BRAND 3147	92.2	19.1	76.1	6.1
SEEDTEC ST-7750	91.8	17.7	79.7	7.4
MCCURDY 7700	90.4	17.7	76.2	6.7
COKER 8696	90.4	19.2	81.6	2.5
DEKALB-PFIZER DK789	90.4	19.7	82.8	4.2
PIONEER BRAND 3187	89.8	18.8	80.6	7.2
BECK'S 85MDM	89.1	18.4	80.9	4.5
JACQUES 8250	88.6	18.2	79.3	2.8
AGRATECH 888	87.7	17.6	81.4	6.9
CARGILL SX16A	84.1	16.2	81.8	4.5
JACOBI CX92	83.7	18.7	82.6	3.0
PRAIRIE STREAM X2317	82.9	18.5	75.8	3.1
BO-JAC XM832	82.5	19.1	79.6	0.9
PFISTER HYBRIDS 4444	78.8	16.7	77.9	6.0
AGRATECH GK875	78.0	18.8	79.8	3.7
CHECK HYBRID YELLOW	75.3	18.1	74.0	15.9
D&H SEEDS DH7150	66.1	17.2	78.6	9.3
<b>YELLOW AVERAGE</b>	<b>88.3</b>	<b>18.1</b>	<b>79.2</b>	<b>5.3</b>
<b>WHITE HYBRIDS</b>				
CHECK HYBRID WHITE	78.7	21.4	71.3	8.7
<b>WHITE AVERAGE</b>	<b>78.7</b>	<b>21.4</b>	<b>71.3</b>	<b>8.7</b>
<b>GRAND AVERAGE</b>	<b>87.9</b>	<b>18.2</b>	<b>78.9</b>	<b>5.4</b>
<b>1SD(0.10)</b>	<b>6.0</b>	<b>0.6</b>	<b>2.8</b>	<b>2.4</b>

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