

# Kentucky Hybrid Corn Performance Test - 1987

K. O. Evans and  
C. G. Poneleit



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# 1987 Kentucky Hybrid Corn Performance Test

*K.O. Evans and C.G. Poneleit*

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 1987 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, and 13) since these are better estimates of a hybrid's yield ability than data gathered at one location in one year. The two- and three-year summary tables (Tables 12 and 13) contain data only from those locations where appropriate data are available for 1985, 1986, or 1987.

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

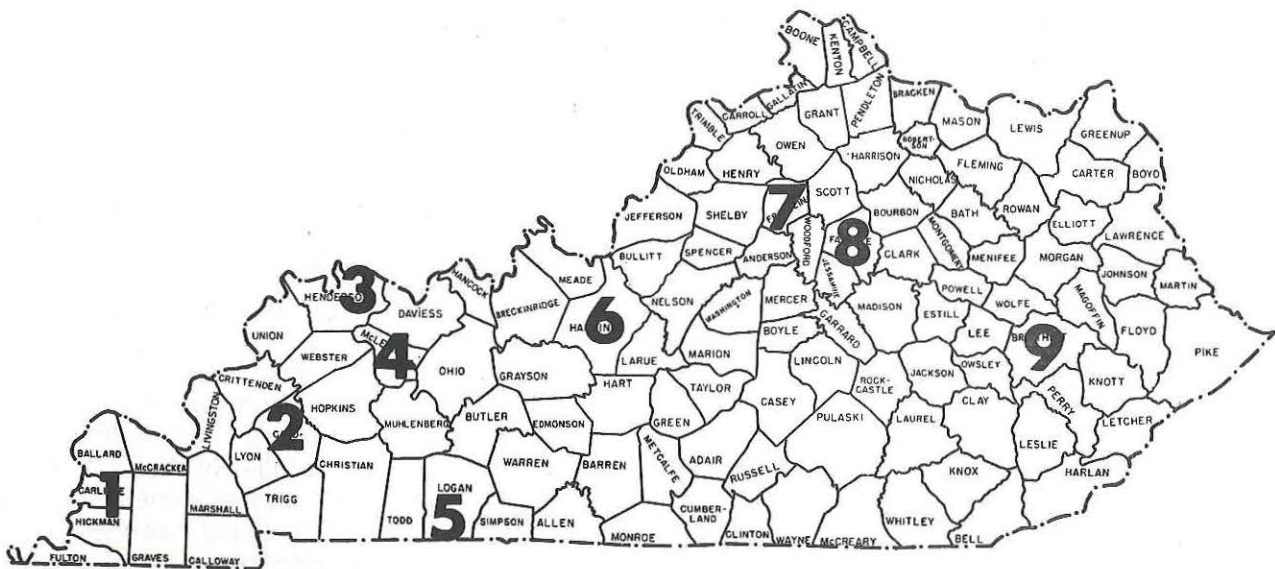
### Selection of Hybrids

The hybrids chosen for testing are those most likely to be available for sale in 1988. 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 on page 3 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 1987 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 were prepared by conventional tillage methods. Fertilizer was applied as indicated by soil tests. The test at Elizabethtown was planted in a fescue sod 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, Furadan 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, except at Bardwell, where only two replications were harvested in 1987. An 11 x 12 lattice design was used at each non-virus location, and a 7 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 56 hybrids to evaluate resistance to the virus complex. Although johnsongrass was present at the Henderson location, virus symptoms were not apparent on the corn hybrids and no virus ratings were taken. More johnsongrass was present at the Frankfort location than at Henderson but was confined by cultivation to borders and alleys of the test area. Virus ratings taken at the Frankfort location reflect both the number of plants infected and the severity of infection of those plants.

The ratings shown in Table 15 are the weighted averages of virus infected and noninfected plants evaluated July 23. 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 some resistance—either few plants were infected or those infected did not have a visual appearance of severe virus damage.

## **Maturity Comparisons**

Three open-pedigree hybrids (FR27XLH38, FR27XMo17, and FR27XPa91) were included in each non-virus test to provide an internal evaluation of hybrid maturity. The seed of these hybrids was obtained from Illinois Foundation Seeds, Inc. The relative maturities of these hybrids for Kentucky as rated by Illinois Foundation Seeds, Inc. are Early-, Mid-, and Late-Season, respectively. The relative maturity ratings were quite appropriate since the harvest moistures of the hybrids when averaged across all non-virus locations (see Table 11) were 13.9% for FR27XLH38, 14.4% for FR27XMo17, and 15.8% for FR27XPa91. Harvest maturity of other hybrids in the test can be judged by comparison of harvest moisture relative to these checks and other hybrids of known maturity for your area of production.

## **ABOUT THE GROWING SEASON**

### **BARDWELL (Carlisle County)**

The Bardwell test was planted on April 29. The test appeared to be doing well on May 20. Plants were approximately 8 inches in height. Weed control was good. There appeared to be no disease problems. Southwestern corn borer was the primary cause of stalk lodging at this location.

### **PRINCETON (KAES, Research and Education Center)**

The Princeton test was planted on April 28. Weed control was poor. The test was cultivated once to help control weeds. Johnsongrass provided a great amount of competition in the plot, especially in the alleyways. There appeared to be no disease problems; however, there was some insect damage from European and Southwestern corn borers.

### **RUSSELLVILLE (Logan County)**

The Russellville test was planted on April 9. Weed control was fair although the alleyways had a moderate infestation of weeds. Disease and insect problems were minimal. There was a lack of rainfall early in the growing season.

### **CALHOUN (McLean County)**

The Calhoun test was planted on May 5. Weed control was good with the exception of some deep rooted vines. The vines were sprayed for control. There were no apparent disease or insect problems.

### **ELIZABETHTOWN (Hardin County)**

The Elizabethtown test was planted no-till on April 22 in fescue sod. Weed control was good in general. There were some strips of sod that were not killed due to a clogged nozzle or failure to overlap spray. This may have reduced yields on some plots. Disease and insect problems were minimal.

### **LEXINGTON (KAES, Spindletop Research Farm)**

The Lexington test was planted on April 24. Weed control was fair. The test was cultivated twice and alleyways were sprayed with Evik. There appeared to be no disease problems; however, there was some damage from European corn borer. There was a lack of mid to late season rainfall. Yields were reduced accordingly.

### **QUICKSAND (KAES, Robinson Substation)**

The Quicksand test was planted on May 8. Weed control was good for grasses. Banvel was oversprayed to control broadleaf weeds and vines. Ratings of Gray Leaf Spot and other leaf diseases were taken by Drs. Stuckey and Hartman of the Plant Pathology Department. The results of these ratings may be obtained by contacting either of them at: Department of Plant Pathology, S-305 Agricultural Science Building—North, University of KY, Lexington, KY 40546-0091. Other disease and insect problems were minimal.

### **HENDERSON (Henderson County)**

The Henderson test was planted on May 6. Weed control was good, except for johnsongrass. The test was cultivated to control the grass. Although virus symptoms were present on johnsongrass along the field border on June 5, there were no virus symptoms visible on the corn. There appeared to be no disease or insect problems. Drought caused reductions in yields.

**FRANKFORT (Franklin County)**

The Frankfort test was planted on May 12. Chemicals applied for johnsongrass control provided poor control. The test was cultivated twice for

weed control. Roundup was used to control johnsongrass in the alleyways. Nitrogen was applied when corn was 10-12 inches high. This late application may have reduced yields. Virus ratings were made on July 23.

TABLE 1.—PRECIPITATION AT TEST LOCATIONS, 1987

Month	Days	Location								
		Carlisle	Princeton	Russellville	Calhoun	Henderson	Elizabethtown	Lexington	Quicksand	Frankfort
April	1-8	--	0.41		--	0.32	0.62	0.72	1.14	--
	9-16	--	1.87	*	--	1.98	1.47	1.55	1.55	--
	17-24	--	0.09	--	--	0.15	0.18*	0.13*	0.68	--
	25-30	*	*	--	--	0.01	0.12	0.02	0.05	--
	Total	0.0	2.40	0.0	0.0	2.46	2.39	2.42	3.42	--
May	1-8	--	0.40	--	*	0.68*	0.65	1.11	0.29*	--
	9-16	--	--	--	--	0.02	0.03	0.03	0.28	1.10*
	17-24	2.45	--	1.70	0.75	1.53	0.06	0.45	0.99	0.70
	25-31	1.30	1.18	0.30	0.60	0.68	0.79	0.11	0.58	0.70
	Total	3.75	1.58	2.00	1.35	2.91	1.53	1.70	2.14	2.50
June	1-8	0.19	0.07	1.20	1.55	0.85	0.66	1.47	1.14	1.00
	9-16	0.02	0.73	1.30	1.86	2.64	2.22	2.61	2.42	0.80
	17-24	3.55	5.89	1.50	0.80	0.23	0.62	1.61	1.25	1.40
	25-30	1.00	0.48	1.00	0.86	0.08	0.08	0.27	0.01	1.40
	Total	4.76	7.17	5.00	5.07	3.80	3.58	5.96	4.82	4.60
July	1-8	1.45	3.68	8.00	1.73	1.96	1.43	1.06	6.04	1.60
	9-16	0.35	0.79	1.10	--	0.50	2.69	1.05	1.37	1.80
	17-24	--	0.22	--	1.07	0.29	--	--	--	--
	25-31	0.95	1.41	0.20	--	0.53	1.04	0.85	0.97	0.70
	Total	2.75	6.10	9.30	2.80	3.28	5.16	2.96	8.38	4.10
August	1-8	0.10	0.41	0.30	1.90	0.57	1.28	0.60	0.01	0.90
	9-16	0.50	1.72	0.60	--	0.01	0.12	0.05	0.50	2.00
	17-24	0.55	1.44	0.20	--	0.02	0.45	0.04	0.52	--
	25-31	--	0.12	1.40	--	0.17	0.84	0.08	0.87	1.10
	Total	1.15	3.69	2.50	1.90	0.77	2.69	0.77	1.90	4.00
Sept.	1-8	--	0.29	--	0.80	0.02	0.08	0.01	0.21	--
	9-16	--	1.17	--	1.30	0.03	0.37	0.36**	1.15	0.20
	17-24	0.55**	0.60	**	--	0.48	0.24	--	0.33	0.40
	25-30	--	**	--	**	0.45**	0.47**	0.56	1.07 <sup>1/</sup>	0.50 <sup>2/</sup>
	Total	0.55	2.06	0.0	2.10	0.98	1.16	0.93	2.76	1.10
Grand Total		12.96	20.60	18.80	13.22	14.20	16.51	14.74	23.52	16.30

\* Planted      \*\* Harvested      1/ 10/8-9      2/ 10/5

**TABLE 2.—HYBRIDS TESTED IN 1987**

	Hybrid	Test*	Color	Cross**	Source
Adler's	88X	A	Yellow	2X	Adler's Route 1 Sharpesville, IN 46068
	6100	A	Yellow	2X	
AgraTech	GK750	A	Yellow	2X	AgraTech Seed Research P.O. Box 644 Atlanta, GA 31714
	GK875	B	Yellow	2X (Mod)	
	GK900	AB	Yellow	2X	
	888	AB	Yellow	2X	
AgriGold	A-6655	A	Yellow	2X	Akin Seed Company Route 1 St. Francesville, IN 62460
	A-6615	A	Yellow	2X	
	XA830	B	Yellow	2X	
	A-6795W	A	White	2X	
	XA876	A	Yellow	2X	
AgriPro	AP670	A	Yellow	2X	NAPB 5201 Johnson Drive P.O. Box 2955 Mission, KS 66201
	HP555	A	Yellow	2X	
	AP510	A	Yellow	2X	
	AP850	A	Yellow	2X	
Asgrow/O's Gold	2570	A	Yellow	2X	Asgrow/O's Gold Seed Company 7000 Portage Road Kalamazoo, MI 49001
	5509	A	Yellow	2X	
	RX905	A	Yellow	2X	
	RX956W	A	White	2X	
	3344	B	Yellow	2X	
Beck's	85MDM	B	Yellow	2X	Beck's Superior Hybrids Route 2, Box 142 Atlanta, IN 46031
	85XA	A	Yellow	2X	
	89X	A	Yellow	2X	
	64XA	A	Yellow	2X	
Bo-Jac	675	A	Yellow	2X (Mod)	Bo-Jac Hybrid Corn Company R. R. #2 Mount Pulaski, IL 62548
	674	A	Yellow	2X	
	905	A	Yellow	2X	
	XM832	B	Yellow	2X	
	6503	A	Yellow	2X	
Cargill	967	A	Yellow	2X	Cargill Seeds P.O. Box 9480 Minneapolis, MN 55440
	971	A	Yellow	2X	
	973	A	Yellow	2X	
	980	A	Yellow	2X	
	8717	A	Yellow	2X	
Coker	CX5053	A	Yellow	2X	Coker's Pedigreed Seed, Co. P.O. Box 507 Lebanon, IN 46052
	833W	A	White	2X	
	CX5059	A	Yellow	2X	
	CX5067	A	Yellow	2X	
	8696	B	Yellow	2X (Mod)	



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

	Hybrid	Test*	Color	Cross**	Source
Colbert	320	A	Yellow	2X	Colbert Farms
	326	A	Yellow	2X	R. R. #2
	345	A	Yellow	2X	Washington, IN 47501
Crow's	488	A	Yellow	2X	Crow's Hybrid Corn Company
	688	A	Yellow	2X	Route 2, Box 166
	SL75	A	Yellow	2X	St. Joseph, IL 61873
	675	B	Yellow	2X	
D & H Seeds	DH7144	A	Yellow	2X	D & H Seeds & Services
	DH7150	B	Yellow	2X	P.O. Box 623
	DH7183	A	Yellow	2X	Robinson, IL 62454
	DH9113	A	Yellow	2X	
DeKalb- Pfizer	DK689	AB	Yellow	2X	DeKalb-Pfizer Genetics
	DK711	A	Yellow	2X	Sycamore Road
	DK748	A	Yellow	2X	DeKalb, IL 60115
	DK789	B	Yellow	2X	
	XL72B	B	Yellow	2X	
	DK656	A	Yellow	2X	
Dennis	DS642	A	Yellow	2X	Dennis Hybrid Company
	DS645	A	Yellow	2X	P.O. Box 487 Windfall, IN 46076
Funk's	G-4543	A	Yellow	2X	Funk's Seed Int'l.
	G-4635	A	Yellow	2X	1300 Washington Street
	G-4734	B	Yellow	2X (Mod)	Bloomington, IL 61701
	G-4743	B	Yellow	3X	
	G-4868	B	Yellow	3X	
	G-4666	AB	Yellow	2X	
	RA1502	A	Yellow	2X	
	/Excel 6064E	A	Yellow	2X	
Garst	8180	A	Yellow	2X	Garst Seed Company
	8344	A	Yellow	2X	Rt 3, Box 93
	8388	A	Yellow	2X	Bowling Green, MO 63334
	N4116	B	Yellow	2X	
	E4350	B	Yellow	2X	
Golden Acres	6988	A	Yellow	2X	Taylor-Evans Seed Company
	6996	A	Yellow	2X	P.O. Box 68
	6997	B	Yellow	2X	Tulia, TX 79088
	6998	A	Yellow	2X	

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

Hybrid	Test#	Color	Cross**	Source
Gutwein	2820	A	Yellow 2X	Fred Gutwein & Sons, Inc. R. R. #1, Box 40 Francesville, IN 47946
Hyperformer	X336	B	Yellow 2X	Helena Chemical Co. 5100 Popular, Suite 3200 Memphis, TN 38137
	X956	A	Yellow 2X	
	X9340	A	Yellow 2X	
Jacobi	9250	A	Yellow 2X	Jacobi Hybrids R.R. #1 McCordsville, IN 46055
	8901	A	Yellow 2X	
	8801	A	Yellow 2X	
	8850	AB	Yellow 2X	
	8950	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	
	8350	A	Yellow 2X	
	8700	A	Yellow 2X	
	JX227	B	Yellow 2X	
	Ex7125V	B	Yellow 2X	
	W310	A	White 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
	LX4533	A	Yellow 2X	
	LX4521	AB	Yellow 2X	
McCurdy	8150	A	Yellow 2X	McCurdy Seed Company P.O. Box 66 Fremont, IA 52561
	7676	A	Yellow 2X	
	7700	B	Yellow 2X	
	85-60	B	Yellow 2X	
Northrup- King	PX9540	A	Yellow 2X	Northrup-King & Company 1500 Jackson St., NE Minneapolis, MN 55413
	PX9584	A	Yellow 2X	
	PX95	AB	Yellow 2X	
	PX9581	A	Yellow 2X	
	PX9646	A	Yellow 2X	
P.A.G.	SX16A	B	Yellow 2X	P-A-G Seeds P.O. Box 9480 Minneapolis, MN 55440
	SX351	A	Yellow 2X	
	SX352	A	Yellow 2X	
	7993	A	Yellow 2X	
	9427	A	Yellow 2X	

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

	Hybrid	Test*	Color	Cross**	Source
Gutwein	2820	A	Yellow	2X	Fred Gutwein & Sons, Inc. R. R. #1, Box 40 Francesville, IN 47946
Hyperformer	X336	B	Yellow	2X	Helena Chemical Co. 5100 Poplar, Suite 3200 Memphis, TN 38137
	X956	A	Yellow	2X	
	X9340	A	Yellow	2X	
Jacobi	9250	A	Yellow	2X	Jacobi Hybrids R.R. #1 McCordsville, IN 46055
	8901	A	Yellow	2X	
	8801	A	Yellow	2X	
	8850	AB	Yellow	2X	
	8950	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	
	8350	A	Yellow	2X	
	8700	A	Yellow	2X	
	JX227	B	Yellow	2X	
	Ex7125V	B	Yellow	2X	
	W310	A	White	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
	LX4533	A	Yellow	2X	
	LX4521	AB	Yellow	2X	
McCurdy	8150	A	Yellow	2X	McCurdy Seed Company P.O. Box 66 Fremont, IA 52561
	7676	A	Yellow	2X	
	7700	B	Yellow	2X	
	85-60	B	Yellow	2X	
Northrup- King	PX9540	A	Yellow	2X	Northrup-King & Company 1500 Jackson St., NE Minneapolis, MN 55413
	PX9584	A	Yellow	2X	
	PX95	AB	Yellow	2X	
	PX9581	A	Yellow	2X	
	PX9646	A	Yellow	2X	
P.A.G.	SX16A	B	Yellow	2X	P-A-G Seeds P.O. Box 9480 Minneapolis, MN 55440
	SX351	A	Yellow	2X	
	SX352	A	Yellow	2X	
	7993	A	Yellow	2X	
	9427	A	Yellow	2X	

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

	Hybrid	Test*	Color	Cross**	Source
Paymaster	7989	A	Yellow	2X	Paymaster Seeds P.O. Box 9493 Minneapolis, MN 55440
	7990	A	Yellow	2X	
	8990	A	Yellow	2X	
	8951	A	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	
Pioneer Brand	3320	A	Yellow	2X(Mod)	Pioneer Hi-Bred Int'l. 221 North Main Street Tipton, IN 46072
	3295	A	Yellow	2X	
	3378	B	Yellow	2X(Mod)	
	3144W	A	White	2X	
	3147	B	Yellow	2X(Mod)	
	3165	A	Yellow	2X	
	3187	B	Yellow	2X(Mod)	
Prairie Stream	SX702	A	Yellow	2X	Prairie Stream Farms Route 3, Box 56 Frankfort, IN 46041
	X2317	B	Yellow	2X	
Princeton	SX860	A	Yellow	2X	Princeton Farms P.O. Box 319 Princeton, IN 47670
	SX906W	B	White	2X	
SeedTec Brand	2675	A	Yellow	2X	SeedTec International, Inc. Route 108W Eldred, IL 62027
	ST-7750	AB	Yellow	2X	
	ST-7680	A	Yellow	2X	
Select Seed	5188-S	A	Yellow	2X	Select Seed Hybrids P. O. Box 54 Camden, IN 46917
	9131	AB	Yellow	2X	
So. Cross	511	A	Yellow	2X	Miles Farm Supply, Inc. 2760 Keller Rd. Owensboro, KY 42301
	811	A	Yellow	2X	
So. States EX	SS810	A	Yellow	2X	Southern States Coop., Inc. P.O. Box 26234 Richmond, VA 23260
	SS728	A	Yellow	2X	
	SS737	A	Yellow	2X	
	SS767	B	Yellow	2X	
	SS811	A	Yellow	2X	
	SS815	B	Yellow	2X	
	SS917W	B	White	2X	
	16049	B	Yellow	2X	

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

	Hybrid	Test*	Color	Cross**	Source
Stauffer	S7759	A	Yellow	2X	Stauffer Seeds, Inc. 507 Highland Ave. Iowa City, IA 52240
	S8645	B	Yellow	2X	
	S7686	A	Yellow	2X	
Stewart Hybrids	S-6973	A	Yellow	2X	Stewart's Hybrids, Inc. Route 1, Box 8 Princeville, IL 61559
	S-7367	A	Yellow	2X	
	S-7356	A	Yellow	2X	
	S-7355	A	Yellow	2X	
Stewart Seeds	SX69	A	Yellow	2X	Stewart Seeds, Inc. Rt. 8, Box 227 Greensburg, IN 47240
	SX92M	B	Yellow	2X	
	SX87	A	Yellow	2X	
Sun Prairie	SP240	A	Yellow	2X	Champaign County Seed Co. Rt. 2, Box 2 St. Joseph, IL 61873
	SP3300	A	Yellow	2X	
	SP5850	A	Yellow	2X	
Super Crost	E119	B	Yellow	2X	Edward J. Funk & Sons, Inc. Box 67 Kentland, IN 47951
	5415	A	Yellow	2X	
	5460	A	Yellow	2X	
	5995	B	Yellow	3X	
	Ex87121	B	Yellow	2X	
SunBelt	1802	A	Yellow	2X	Sunbelt Hybrids, Inc. P.O. Box 406 Thomasville, GA 31799
	1860	B	Yellow	2X	
Vineyard Seed	MV-58W	A	White	3X	Vineyard Seed Co., Inc. P.O. Box 3458 Champaign, IL 61821
	MV-68W	A	White	2X	
Zimmerman	Z14W	A	White	2X	Zimmerman Hybrids, Inc. 5147 W. Franklin Rd. Evansville, IN 47712
	Z27	A	Yellow	2X	
	Z28	A	Yellow	2X	
	Z35	B	Yellow	2X	
	Z38	A	Yellow	2X	
	Z60W	A	White	2X	
	Z16W	B	White	2X	
K.A.E.S.	FR27xLH38	A	Yellow	2X	Illinois Foundation Seeds, Inc. P.O. Box 722 Champaign, IL 61820
	FR27xMo17	A	Yellow	2X	
	FR27xPa91	A	Yellow	2X	

# A = Performance Test, B = Virus Test

\*\* 2X = Single Cross, 3X = Threeway Cross, 2X(Mod) = Modified Single Cross

**TABLE 3.—AGRONOMIC INFORMATION FOR 1987 TEST LOCATIONS**

<u>Location and Cooperator</u>	<u>Soil Type</u>	<u>Fertilizer Lb/A</u>	<u>Herbicide</u>	<u>Insecticide</u>	<u>Planting Dates</u>	<u>Harvest Dates</u>	<u>Comments</u>
1) Bardwell, KY G.H. Terry Arlington, KY	Alder Silt Loam	N -156 P <sub>2</sub> O <sub>5</sub> 100 K <sub>2</sub> O <sub>5</sub> -72	Eradicane Extra & Aatrex	Furadan	April 28	Sept. 23 & 24	
2) Princeton, KY Western Kentucky Research & Ed. Center	Huntington & Lindside Silt Loam	N - 150 P <sub>2</sub> O <sub>5</sub> -None K <sub>2</sub> O <sub>5</sub> 100	Eradicane & Aatrex	Furadan	April 28	Sept. 25 & 28	
3) Henderson, KY Jay Beasley Rt. 1, Reed, KY	Huntington Fine Sandy Loam	N - 140 P <sub>2</sub> O <sub>5</sub> - 0 K <sub>2</sub> O <sub>5</sub> - 0	Aatrex & Lasso	Dyfonate	May 6	Sept. 30	
4) Calhoun, KY Bobby Ayer	Belnap Silt Loam	N - 200 P <sub>2</sub> O <sub>5</sub> -92 K <sub>2</sub> O <sub>5</sub> -120	Bicep	Furadan	May 5	Sept. 30 & Oct. 1	
5) Russellville, KY Richard Moore Adairville, KY	Pembroke Silt Loam	N - 166 P <sub>2</sub> O <sub>5</sub> -52 K <sub>2</sub> O <sub>5</sub> - 52	Sutazine & Aatrex	Furadan	April 9	Sept. 21 & 22	
6) Elizabethtown, KY Steve Wooden Wooden Lane	Crider Silt Loam	N - 156 P <sub>2</sub> O <sub>5</sub> -275 K <sub>2</sub> O <sub>5</sub> -72	Aatrex, Paraquat/ Surfactant	Furadan	April 22	Oct. 1 & 2	No-Till Fescue Sod
7) Frankfort, KY Wilbert and Roger Perkins	Huntington Silt Loam	N - 125 P <sub>2</sub> O <sub>5</sub> - 76 K <sub>2</sub> O <sub>5</sub> -200	Eradicane & Aatrex	Dyfonate	May 12	Oct. 5	
8) Lexington, KY K.A.F.S. Spindletop Farm	Lanton Silt Loam	N - 150 P <sub>2</sub> O <sub>5</sub> -None K <sub>2</sub> O <sub>5</sub> -100	Eradicane & Aatrex	Furadan	April 24	Sept. 9 & 10	
9) Quicksand, KY Robinson Forest Station	Philo Silt Loam	N - 120 P <sub>2</sub> O <sub>5</sub> -68 K <sub>2</sub> O <sub>5</sub> - 68	Aatrex, Lasso, & Banvel	Furadan	May 8	Oct. 7 & 8	Nitrogen Split 70/30

TABLE 4.— ANNUAL SUMMARY, BARDWELL

VARIETY	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-87	BU/AC 1987	MOIST 1987	STAND 1987	LODGED 1987
YELLOW HYBRIDS					
COLBERT 345	136.5	227.7	15.9	82.6	7.7
DEKALB-PFIZER DK689	143.4	208.8	13.3	88.2	3.8
PIONEER BRAND 3165	138.8	207.8	16.0	94.4	9.2
SELECT SEED 9131	128.0	207.5	13.4	88.9	7.6
MCCURDY 7676	137.5	205.3	13.1	86.1	8.2
BO-JAC 6503		204.6	12.4	95.1	6.6
FR27 X PA91	119.7	203.2	14.5	91.7	7.6
GARST SEED 8180		202.8	12.7	89.6	8.5
PAYMASTER 8990	128.1	198.0	14.8	91.0	4.7
MCCURDY 8150		197.1	14.8	94.4	4.4
CARGILL 967	119.8	196.7	12.9	97.2	20.7
ASGROW/O'S GOLD 2570	125.7	191.7	13.1	92.4	12.7
PIONEER BRAND 3295		189.9	12.7	88.2	21.3
AGRIPRO AP510		189.6	13.1	92.4	9.8
ZIMMERMAN Z28	121.9	187.9	13.2	88.9	9.4
PRAIRIE STREAM SX702	134.7	187.7	12.9	84.7	18.0
GUTWEIN 2820	125.5	186.4	14.4	86.1	9.4
PIONEER BRAND 3320	129.4	184.0	14.6	95.1	5.8
GOLDEN AC. T-E 6996	127.7	183.6	14.9	88.2	7.1
DENNIS DS642	126.5	183.3	14.0	90.3	12.9
PAYMASTER 8951		183.1	14.5	91.0	10.6
SO. CROSS 511	126.4	183.1	14.5	77.1	7.2
AGRIGOLD A-6655		182.6	12.9	86.1	8.9
ADLERS 88X	116.4	182.5	16.2	94.4	10.2
BO-JAC 674	112.4	181.0	13.9	99.3	7.7
STEWART HYBRIDS S-6973	115.5	180.1	12.3	90.3	7.1
GOLDEN AC. T-E 6998	108.8	179.9	14.5	83.3	14.7
P.A.G. SX351	118.2	179.5	13.7	84.0	8.3
CARGILL 971	115.8	179.2	13.1	91.0	7.6
JACQUES 8700	114.5	178.7	13.6	92.4	7.5
PFISTER HYBRIDS 4470	122.5	178.1	13.0	87.5	13.5
AGRATECH GK900	123.3	177.4	14.8	93.7	3.7
FUNK'S G-4666		177.1	13.5	88.2	9.6
HYPERFORMER X9340		177.1	13.1	89.6	13.2
FUNK'S RA1502	119.1	176.3	14.4	89.6	12.6
NORTHRUP-KING PX9584		176.1	12.7	94.4	3.0
JACOBI 8850		175.8	13.9	85.4	13.9
LEADER SX717	122.9	175.7	13.6	83.3	9.9
P.A.G. 7993		175.3	13.8	86.8	8.2
LYNKS LX4533	112.7	175.2	13.2	84.0	4.1
ASGROW/O'S GOLD RX905		174.4	13.1	83.3	8.1
SUN PRAIRIE SP5850		174.2	14.7	99.3	10.5
SEEDTEC 2675	130.0	173.4	14.0	91.7	9.7
SUN PRAIRIE SP240	112.3	172.4	13.2	77.8	12.5
PAYMASTER 7990	108.2	172.3	12.4	93.7	4.4
SEEDTEC ST-7750	113.4	171.7	13.4	86.1	3.3
CROW'S 688	115.0	171.2	13.9	82.6	7.3
NORTHRUP-KING PX9581	125.0	170.7	14.2	81.2	12.9
NORTHRUP-KING PX9540		170.7	13.0	88.2	13.2
BECK'S 64XA		170.2	11.9	91.7	4.7
JACQUES 8210		170.1	13.5	86.1	3.2
SUN PRAIRIE SP3300		169.7	12.9	81.2	10.7
ADLERS 6100		169.3	13.3	91.7	11.4
NORTHRUP-KING PX9646	113.0	169.2	14.8	95.1	5.7
SO. CROSS 811		168.8	12.9	79.2	11.2
AGRATECH GK750	114.7	168.3	13.8	96.5	7.4
AGRIPRO HP555	126.3	168.1	13.8	79.9	7.0
ZIMMERMAN Z27	110.2	167.6	13.0	82.6	11.9
SO. STATES SS811	98.4	166.9	13.6	94.4	8.1
LYNKS LX4521		166.7	13.6	77.8	7.1
STAUFFER S7759	109.3	165.8	13.0	90.3	8.2
COLBERT 326	97.0	165.7	13.4	86.8	11.1
AGRIGOLD XA-876		165.5	13.4	86.8	8.1
SO. STATES SS737	106.2	165.4	12.6	95.1	5.9
FUNK'S/EXCEL 6064E		165.1	13.3	88.2	10.3
DENNIS DS645	118.4	164.4	13.9	92.4	4.5
CROW'S SL75		164.1	14.3	87.5	13.7
SO. STATES SS728	106.8	164.1	13.6	89.6	11.7
PAYMASTER 7989	106.1	163.6	13.1	95.1	18.9
CROW'S 488	88.8	163.5	12.5	83.3	2.5

**TABLE 4.—BARDWELL (continued)**

VARIETY	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987
<b>YELLOW HYBRIDS</b>					
FUNK'S G-4635	117.9	163.0	12.9	85.4	11.4
STEWART HYBRIDS S-7355		162.7	12.7	91.7	6.1
STEWART SEEDS SX69	98.4	161.8	13.6	88.9	15.3
D&H SEEDS DH7183	123.3	160.5	14.8	83.3	11.6
P.A.G. 9427		160.1	14.5	90.3	6.1
SUPER CROST 5415		159.6	14.5	90.3	8.5
SUPER CROST 5460	102.9	159.4	13.3	88.2	3.2
PFISTER HYBRIDS 4571	115.0	159.3	13.8	85.4	13.5
CARGILL 980	110.0	159.0	14.7	93.1	11.5
BECK'S 85XA	115.1	158.3	15.3	80.6	8.6
JACOBI 8901		157.9	13.7	97.9	5.6
DEKALB-PFIZER DK656		157.9	13.5	81.2	13.8
D&H SEEDS DH9113	106.1	157.5	14.0	81.9	11.8
STEWART HYBRIDS S-7356		157.4	13.8	72.2	8.8
SEEDTEC ST-7680		157.3	14.9	86.1	4.0
COKER CX5067		157.0	13.7	85.4	8.1
STEWART HYBRIDS S-7367		156.4	13.4	84.7	8.2
FR27 X LH38	104.9	156.1	12.7	91.0	5.2
CARGILL 973	108.3	155.9	13.3	88.2	14.2
FR27 X M017	101.3	155.5	13.3	88.9	9.9
SUNBELT 1802		155.5	14.7	91.7	10.7
COKER CX5059		154.9	13.1	90.3	8.5
D&H SEEDS DH7144	95.4	154.4	13.0	91.7	6.1
AGRIGOLD A-6615		154.3	13.5	88.2	7.1
BO-JAC 675		153.2	13.3	97.2	4.3
JACOBI 8801	103.9	153.1	13.4	81.9	12.7
NORTHROP-KING PX95	122.5	153.1	13.6	74.3	19.6
GOLDEN AC. T-E 6988		152.4	13.3	77.8	18.8
STAUFFER S7686		152.4	13.7	84.0	6.7
ZIMMERMAN Z38		152.0	13.8	89.6	9.1
GARST SEED 8388	107.6	151.6	13.9	84.0	6.7
GARST SEED 8344	103.2	151.1	13.1	90.3	7.1
COKER CX5053		150.5	14.7	88.2	4.7
PRINCETON SX860	103.6	150.2	14.0	87.5	9.4
DEKALB-PFIZER DK711	117.5	150.0	13.8	81.9	5.1
DEKALB-PFIZER DK748	115.0	149.8	14.4	95.8	8.7
AGRIPRO AP850		147.5	13.6	88.2	9.5
SO. STATES SS810		146.3	13.1	90.3	10.0
FUNK'S G-4543		146.3	13.5	86.1	8.5
HYPERFORMER X956		146.1	14.0	77.1	15.3
CARGILL 8717		145.6	13.3	86.1	14.4
BECK'S 89X	97.6	143.6	14.1	87.5	12.7
AGRIPRO AP670	103.6	143.5	14.1	87.5	16.0
LYNKS LX4355	99.7	143.4	13.8	87.5	17.1
SELECT SEED 5188-S	102.4	139.4	12.5	97.2	15.2
AGRATECH 888		137.8	13.1	87.5	4.8
JACQUES 8350	96.2	135.3	13.7	81.9	16.1
P.A.G. SX352	95.2	133.4	13.7	85.4	4.1
ASGROW/O'S GOLD 5509		132.1	14.5	79.9	13.7
STEWART SEEDS SX87	95.5	128.0	13.5	81.2	8.5
COLBERT 320	95.3	127.1	13.2	77.8	18.7
<b>YELLOW AVERAGE</b>	<b>114.1</b>	<b>167.6</b>	<b>13.7</b>	<b>87.8</b>	<b>9.6</b>
<b>WHITE HYBRIDS</b>					
PIONEER BRAND 3144W	132.8	209.9	14.6	82.6	7.8
ZIMMERMAN Z14W	120.9	190.0	16.6	83.3	12.6
JACQUES W-310		185.2	15.5	87.5	6.5
ZIMMERMAN Z60W	125.0	176.4	14.6	91.7	9.9
ASGROW/O'S GOLD RX956W		171.8	15.6	84.7	11.3
COKER 833W	118.8	169.9	15.2	93.1	0.7
AGRIGOLD A-6795W	111.6	165.2	15.7	91.0	4.5
VINEYARD SEED MV-68W	104.2	157.5	14.4	85.4	17.1
VINEYARD SEED MV-58W	101.0	156.3	14.9	88.9	12.7
<b>WHITE AVERAGE</b>	<b>116.3</b>	<b>175.8</b>	<b>15.3</b>	<b>87.6</b>	<b>9.2</b>
<b>GRAND AVERAGE</b>	<b>114.3</b>	<b>168.1</b>	<b>13.8</b>	<b>87.8</b>	<b>9.5</b>
LSD(0.10)		36.3	1.2	9.7	10.1
C.V.		13.1	5.3	6.7	64.1



TABLE 5.—ANNUAL SUMMARY, PRINCETON

VARIETY	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-87	BU/AC 1987	MOIST 1987	STAND 1987	LODGED 1987
YELLOW HYBRIDS					
SELECT SEED 9131	155.1	194.2	16.7	89.8	7.5
PIONEER BRAND 3165	165.4	190.8	18.2	95.4	1.0
GOLDEN AC. T-E 6998	160.8	189.2	16.2	89.8	1.5
COLBERT 345	154.0	187.7	16.8	89.4	5.7
AGRIGOLD A-6655		182.0	15.7	92.1	0.5
BECK'S 64XA		179.8	13.7	94.0	1.5
P.A.G. 9427		179.5	16.7	90.7	4.6
DEKALB-PFIZER DK689	163.0	179.2	16.7	86.1	1.1
ADLERS 88X	148.1	178.1	16.4	87.0	6.9
ASGROW/O'S GOLD 5509		177.8	16.1	92.1	2.9
STEWART HYBRIDS S-7355		177.3	15.4	89.8	1.6
CROW'S SL75		176.9	16.6	88.9	1.6
COKER CX5059		175.9	15.2	90.7	0.5
HYPERFORMER X9340		175.2	15.3	89.8	1.0
PFISTER HYBRIDS 4470	147.7	174.9	15.4	92.6	0.5
P.A.G. 7993		173.2	15.2	88.9	1.0
ZIMMERMAN Z28	139.7	173.1	14.9	90.3	1.5
SUN PRAIRIE SP5850		172.9	15.1	94.0	4.0
STAUFFER S7759	137.6	172.1	15.4	92.6	0.9
DEKALB-PFIZER DK656		171.7	15.2	93.1	1.9
NORTHROP-KING PX9646	137.9	171.6	17.5	90.7	3.7
AGRIGOLD XA-876		171.5	16.1	86.6	3.2
JACQUES 8700	140.5	171.3	16.7	92.1	2.5
FUNK'S G-4666		170.5	15.9	92.6	2.5
AGRIPRO AP850		170.2	17.1	92.1	0.5
SEEDTEC 2675	145.3	170.2	16.3	89.4	0.5
ADLERS 6100		169.9	16.4	95.4	0.0
PAYMASTER 7989	146.9	169.6	14.7	93.5	4.6
PFISTER HYBRIDS 4571	145.0	169.6	16.6	86.1	0.0
FUNK'S G-4635	140.1	169.5	15.3	85.6	2.2
PIONEER BRAND 3295		169.5	13.9	89.8	1.6
AGRIPRO HP555	151.7	169.4	16.1	91.7	2.5
DEKALB-PFIZER DK748	148.4	168.8	17.4	80.1	2.3
SUNBELT 1802		168.3	17.4	89.8	2.1
CARGILL 980	132.1	168.3	16.3	85.6	1.6
DEKALB-PFIZER DK711	148.5	168.2	16.9	81.0	2.2
BO-JAC 6503		167.2	13.4	93.1	4.5
SUN PRAIRIE SP240	152.1	167.0	14.7	93.5	3.6
FUNK'S G-4543		166.7	14.9	92.1	0.5
SUPER CROST 5415		166.5	14.7	88.9	0.0
GARST SEED 8180		166.4	16.0	84.3	0.0
GARST SEED 8388	156.8	166.2	15.9	89.8	0.0
PAYMASTER 8990	138.6	165.8	18.1	90.3	1.6
D&H SEEDS DH9113	144.0	165.7	15.3	85.2	1.1
CARGILL 971	140.9	165.6	15.5	96.8	3.4
JACOBI 8901		165.5	16.1	89.8	2.1
DENNIS DS642	149.0	165.0	15.4	88.0	4.2
COLBERT 320	137.9	165.0	15.8	83.3	3.4
CARGILL 8717		164.8	15.3	90.7	1.5
LYNKS LX4355	143.8	164.5	15.0	85.6	7.9
MCCURDY 8150		164.0	17.4	90.7	2.1
P.A.G. SX352	144.3	163.6	14.7	88.4	4.3
PIONEER BRAND 3320	148.5	163.6	16.1	87.5	2.2
NORTHROP-KING PX9581	139.4	163.1	16.9	87.0	2.1
PRAIRIE STREAM SX702	137.4	162.7	14.4	88.0	3.6
PAYMASTER 7990	148.2	162.6	14.3	92.6	4.0
ASGROW/O'S GOLD RX905		162.4	15.0	82.4	1.1
COKER CX5053		162.4	16.4	90.3	0.5
CARGILL 973	141.6	161.8	16.9	92.6	2.0
SEEDTEC ST-7750	142.4	161.7	15.7	83.8	1.7
FUNK'S RA1502	146.4	160.9	16.2	91.7	3.6
SELECT SEED 5188-S	142.5	160.7	15.6	94.0	0.5
COKER CX5067		160.7	15.8	86.1	3.8
JACQUES 8350	150.0	160.7	16.0	88.9	3.5
AGRATECH GK750	149.7	160.5	15.3	84.3	1.1
STEWART HYBRIDS S-6973	135.3	160.5	14.9	87.0	10.0
PAYMASTER 8951		160.3	17.4	80.1	4.4
JACOBI 8850		160.1	15.2	83.3	3.3
CROW'S 688	134.0	160.0	16.3	85.2	2.2
AGRIPRO AP670	149.4	159.7	16.1	92.6	1.0

TABLE 5.—PRINCETON (continued)

VARIETY	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG %TOTAL STAND 1987	LODGED % 1987
YELLOW HYBRIDS					
NORTHROP-KING PX9584		159.2	15.6	89.4	2.5
LYNKS LX4533	143.0	158.8	15.6	85.6	3.4
AGRATECH GK900	147.1	158.4	16.8	92.6	5.6
DENNIS DS645	155.6	158.2	15.8	90.7	1.4
GOLDEN AC. T-E 6996	132.2	158.0	17.2	80.1	2.3
SUN PRAIRIE SP3300		158.0	16.4	98.1	1.4
D&H SEEDS DH7183	141.9	158.0	16.4	88.9	1.1
D&H SEEDS DH7144	135.2	157.9	15.5	85.6	3.4
MCCURDY 7676	145.1	157.8	16.5	86.6	1.6
AGRATECH 888		157.8	15.7	91.7	0.5
SO. CROSS 811		157.7	16.8	69.4	2.0
JACQUES 8210		157.6	17.5	84.7	3.3
SO. STATES SS810		157.1	15.7	82.4	1.7
STEWART HYBRIDS S-7367		156.9	14.6	75.9	1.6
JACOBI 8801	140.2	156.8	15.7	87.5	3.2
FR27 X M017	149.0	156.6	15.2	84.7	0.6
BO-JAC 674	158.6	156.6	17.4	91.2	1.5
AGRIPRO AP510		156.2	15.6	88.0	1.5
FR27 X PA91	133.6	155.6	16.6	86.1	4.1
SO. STATES SS728	140.5	155.5	15.8	89.8	1.5
STEWART SEEDS SX69	138.4	155.3	15.6	83.8	0.5
ZIMMERMAN Z38		154.9	18.2	84.3	1.1
NORTHROP-KING PX9540		154.8	15.5	88.4	0.5
GARST SEED 8344	151.9	154.4	15.5	90.3	1.5
SO. STATES SS811	131.8	154.4	16.7	88.0	2.5
NORTHROP-KING PX95	116.6	153.3	15.5	88.4	2.1
STAUFFER S7686		152.6	14.9	85.6	0.5
BECK'S 89X	136.0	152.5	16.5	79.2	2.6
LYNKS LX4521		152.0	15.6	84.7	3.2
ZIMMERMAN Z27	152.3	150.7	15.2	90.3	4.1
BO-JAC 675		150.0	16.5	87.5	0.5
SUPER CROST 5460	136.1	149.1	15.3	87.0	0.5
FUNK'S/EXCEL 6064E		148.1	15.9	87.0	0.5
LEADER SX717	134.5	147.3	16.6	77.8	3.6
AGRIGOLD A-6615		147.0	16.5	91.2	0.5
ASGROW/O'S GOLD 2570	137.1	146.6	15.2	76.4	2.3
CROW'S 488	138.9	146.0	15.0	86.1	1.1
CARGILL 967	129.1	145.0	14.1	90.7	1.5
SEEDTEC ST-7680		144.8	15.5	87.0	1.7
COLBERT 326	135.2	144.7	16.0	88.4	7.8
STEWART SEEDS SX87	127.2	144.6	16.9	79.2	1.2
GUTWEIN 2820	128.5	141.8	16.6	88.0	0.5
GOLDEN AC. T-E 6988		139.3	14.9	82.4	8.2
PRINCETON SX860	117.1	137.7	17.0	88.4	0.5
STEWART HYBRIDS S-7356		137.5	15.6	81.9	3.3
P.A.G. SX351	132.8	136.8	14.6	89.8	3.0
BECK'S 85XA	116.7	129.4	18.7	84.3	5.0
FR27 X LH38	117.6	129.1	14.9	85.2	1.6
HYPERFORMER X956		124.4	16.0	75.9	1.2
SO. STATES SS737	120.9	122.5	14.7	80.1	4.0
SO. CROSS 511	125.3	117.8	17.1	61.6	2.9
YELLOW AVERAGE	141.5	160.9	15.9	87.6	2.4
WHITE HYBRIDS					
ZIMMERMAN Z14W	143.4	164.1	18.3	80.6	2.2
ZIMMERMAN Z60W	140.3	160.3	16.8	86.6	4.4
VINEYARD SEED MV-68W	136.9	158.8	17.6	88.0	1.1
JACQUES W-310		156.9	17.0	86.1	7.8
COKER 833W	125.0	153.1	16.5	85.6	2.3
VINEYARD SEED MV-58W	127.4	151.9	16.9	91.7	3.5
PIONEER BRAND 3144W	137.6	151.2	22.9	80.1	2.9
AGRIGOLD A-6795W	136.3	146.3	18.5	89.4	7.9
ASGROW/O'S GOLD RX956W		144.3	18.8	79.6	1.2
WHITE AVERAGE	135.3	154.1	18.2	85.3	3.7
GRAND AVERAGE	140.9	160.4	16.1	87.4	2.4
LSD(0.10)		24.3	1.6	7.8	3.7
C.V.		11.2	7.2	6.6	111.8

**TABLE 6.—ANNUAL SUMMARY, CALHOUN**

VARIETY	YIELD BU/AC 85-87	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987
<b>YELLOW HYBRIDS</b>						
DENNIS DS642	171.7	191.9	204.2	12.6	93.1	0.5
STEWART HYBRIDS S-6973	166.0	184.8	203.6	12.4	90.7	1.0
MCCURDY 7676	162.6	183.2	201.1	12.3	97.2	0.9
PRAIRIE STREAM SX702		184.5	197.8	11.8	84.3	2.8
ZIMMERMAN Z27	164.7	190.6	195.6	12.3	89.8	0.5
GOLDEN AC. T-E 6998	168.5	185.4	193.1	13.4	92.6	0.0
AGRIGOLD A-6655			192.2	12.4	95.4	1.5
SUN PRAIRIE SP240		181.2	190.4	12.2	96.3	2.3
BO-JAC 6503			189.4	11.2	96.8	0.0
PIONEER BRAND 3320	170.7	181.2	189.0	12.5	95.8	0.9
SO. STATES SS811	146.4	170.1	188.1	12.2	86.1	1.0
COKER CX5059			187.3	12.0	94.0	2.0
DENNIS DS645		165.1	187.0	13.9	93.5	1.0
ASGROW/O'S GOLD RX905			186.9	11.8	92.6	1.0
MCCURDY 8150			186.7	13.9	96.8	2.4
AGRIPRO HP555	159.2	177.0	186.3	12.7	92.1	3.5
PFISTER HYBRIDS 4470		182.8	186.2	13.0	86.6	0.5
DEKALB-PFIZER DK689	160.2	179.2	185.9	12.1	93.1	0.0
D&H SEEDS DH9113	154.6	163.8	185.5	13.8	88.9	0.5
HYPERFORMER X9340			185.4	12.7	92.6	0.6
SEEDTEC -2675	153.9	161.1	183.0	13.3	94.4	0.5
PIONEER BRAND 3295			182.6	12.1	91.2	0.5
COLBERT 345	161.7	179.8	181.7	14.0	96.8	2.3
JACQUES 8210			180.8	12.8	89.8	1.0
AGRATECH GK900	144.0	170.1	180.4	13.1	95.4	0.9
ZIMMERMAN Z28	156.2	166.8	180.1	11.9	82.9	1.2
FUNK'S G-4666			179.3	13.2	94.4	0.0
GUTWEIN 2820	146.2	167.7	179.2	13.7	93.5	0.0
P.A.G. 9427			179.0	12.8	96.8	1.0
DEKALB-PFIZER DK656			178.0	12.3	94.4	0.5
LYNKS LX4521			177.4	12.7	90.7	2.6
GOLDEN AC. T-E 6996	163.4	174.7	177.1	13.3	89.4	0.5
SELECT SEED 9131	153.3	165.6	176.8	12.0	87.5	0.5
JACQUES 8700	155.1	172.6	176.7	13.1	98.1	2.5
AGRIPRO AP670		149.1	176.5	12.5	92.6	0.0
PFISTER HYBRIDS 4571		172.2	176.5	13.8	92.1	2.5
SEEDTEC ST-7750	158.2	171.6	175.6	12.1	94.0	1.0
BECK'S 85XA	153.8	159.9	175.1	14.2	84.3	4.4
STAUFFER S7686			174.8	11.8	92.6	0.0
COKER CX5053			174.6	13.4	93.1	0.5
STAUFFER S7759	155.1	171.9	174.3	12.6	93.5	2.9
NORTHRUP-KING PX9646		169.1	174.3	12.7	85.6	0.5
COKER CX5067			174.1	12.7	83.8	4.4
BECK'S 64XA			174.0	10.9	93.1	0.0
SUNBELT 1802			173.9	13.9	93.5	0.5
NORTHRUP-KING PX95	155.6	166.1	173.8	12.8	94.9	1.9
NORTHRUP-KING PX9584			173.5	13.1	91.2	1.2
FUNK'S RA1502	154.5	167.8	173.4	13.0	93.1	1.0
SELECT SEED 5188-S		166.6	173.4	12.0	93.1	0.5
GARST SEED 8344	158.4	165.1	173.3	12.2	92.6	0.5
COLBERT 320		168.9	173.3	12.0	93.1	1.0
PAYMASTER 7989		164.6	173.2	11.8	96.8	0.5
ASGROW/O'S GOLD 5509			173.2	13.8	86.6	1.5
FUNK'S G-4543			172.9	12.7	87.0	0.0
SO. STATES SS810			172.9	11.7	94.9	1.5
SUN PRAIRIE SP5850			172.7	12.8	93.5	1.5
P.A.G. 7993			172.3	12.8	96.8	0.5
FR27 X PA91		177.6	172.2	14.0	94.9	2.5
JACOBI 8801		170.3	171.8	12.6	95.4	0.0
AGRIGOLD A-6615			171.7	12.3	94.9	0.5
CROW'S 688	142.0	161.5	171.5	12.8	92.1	1.0
STEWART SEEDS SX69		158.1	171.4	12.7	90.7	0.6
CARGILL 8717			171.1	13.6	97.2	2.3
SUPER CROST 5460	147.5	164.0	170.9	12.3	86.6	0.5
LYNKS LX4533		160.8	170.6	11.8	93.1	1.0
AGRATECH GK750		163.0	169.9	12.7	94.0	0.0
PAYMASTER 8990	150.4	164.4	169.9	14.7	91.7	1.0
SEEDTEC ST-7680			169.7	12.0	91.7	1.0
GARST SEED 8180			169.5	12.0	91.7	1.0
STEWART HYBRIDS S-7367			169.4	11.8	81.9	1.1

TABLE 6.—CALHOUN (continued)

VARIETY	YIELD BU/AC 85-87	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987
YELLOW HYBRIDS						
GOLDEN AC. T-E 6988			169.0	12.4	92.6	0.0
FUNK'S/EXCEL 6064E			168.6	12.0	93.5	0.5
FR27 X M017		156.8	168.3	12.2	93.1	1.5
CARGILL 971	166.4	166.1	168.1	12.4	99.1	0.0
AGRIPRO AP850			168.0	15.0	93.5	0.5
COLBERT 326	152.9	175.2	167.6	13.1	94.9	1.0
PIONEER BRAND 3165	155.7	170.1	167.5	13.6	94.4	1.9
PAYMASTER 8951			166.8	14.2	93.5	3.0
ADLERS 88X	169.3	175.4	166.6	13.7	91.7	1.5
STEWART SEEDS SX87		155.7	166.3	13.1	83.8	0.6
AGRIGOLD XA-876			166.2	13.4	88.9	0.0
LYNKS LX4355		158.1	166.2	12.4	98.6	1.4
STEWART HYBRIDS S-7355			166.2	12.1	88.4	0.0
CARGILL 967	159.3	167.4	165.9	11.5	93.5	0.9
DEKALB-PFIZER DK711		170.6	165.4	13.3	91.7	1.0
P.A.G. SX351	155.1	167.2	165.2	12.1	96.8	7.3
JACQUES 8350	136.0	151.4	164.8	13.8	86.1	2.2
STEWART HYBRIDS S-7356			164.4	12.3	81.9	0.6
SO. CROSS 811			163.5	12.5	75.0	3.7
BECK'S 89X	154.5	161.4	163.4	12.4	88.9	2.0
D&H SEEDS DH7183	149.6	161.1	163.4	13.2	90.3	1.5
FUNK'S G-4635		164.4	163.3	12.4	90.3	1.0
NORTHROP-KING PX9540			162.1	12.8	90.3	0.0
CROW'S 488		148.4	160.9	11.4	88.0	0.5
LEADER SX717	124.7	149.3	160.6	12.5	76.9	4.4
CARGILL 973		158.7	160.1	12.1	95.4	1.9
P.A.G. SX352	150.7	154.0	159.7	12.4	86.1	1.0
ADLERS 6100			159.4	12.3	94.9	0.0
HYPERFORMER X956			158.7	12.9	84.7	0.0
GARST SEED 8388		156.4	158.2	12.5	92.6	1.5
AGRATECH 888			156.8	12.2	74.1	0.0
DEKALB-PFIZER DK748	154.2	165.2	156.8	13.2	90.7	1.5
SO. STATES SS728	136.6	157.5	156.5	12.4	94.4	0.0
AGRIPRO AP510			156.2	12.5	88.4	0.0
PAYMASTER 7990	155.8	151.4	155.8	11.6	95.4	1.0
SUPER CROST 5415			154.9	12.7	92.6	0.5
CARGILL 980	140.6	153.6	154.3	13.8	94.0	1.0
BO-JAC 674	152.4	152.8	151.8	12.4	97.2	6.7
NORTHROP-KING PX9581	146.6	156.8	150.9	12.9	86.1	1.6
JACOBI 8850			150.5	12.0	88.4	1.5
ASGROW/O'S GOLD 2570	154.8	166.2	150.2	12.8	78.7	1.1
PRINCETON SX860	131.8	140.1	148.3	13.3	96.3	1.4
D&H SEEDS DH7144			147.7	12.7	91.2	0.5
SUN PRAIRIE SP3300			147.5	12.3	87.5	1.1
SO. CROSS 511		158.2	145.9	14.1	65.7	0.7
FR27 X LH38		134.0	145.4	11.7	83.8	1.5
BO-JAC 675			138.6	13.4	79.6	1.0
SO. STATES SS737	140.9	153.7	134.4	11.4	90.7	6.4
ZIMMERMAN Z38			126.6	12.2	94.9	3.5
CROW'S SL75			125.8	13.7	81.5	3.5
JACOBI 8901			118.0	12.5	95.4	7.6
YELLOW AVERAGE	153.7	165.7	169.9	12.7	91.0	1.3
WHITE HYBRIDS						
PIONEER BRAND 3144W		186.4	202.0	12.6	82.9	0.5
AGRIGOLD A-6795W	151.3	175.0	188.8	14.5	92.1	3.5
ZIMMERMAN Z60W		161.4	180.9	13.8	90.3	5.2
JACQUES W-310			175.8	15.2	88.0	1.0
ZIMMERMAN Z14W	155.7	172.2	174.8	14.9	81.9	0.6
ASGROW/O'S GOLD RX956W			164.3	14.7	88.0	1.5
VINEYARD SEED MV-68W	127.0	144.0	156.9	14.6	95.4	1.0
COKER 833W	128.6	145.3	151.2	13.6	88.0	0.0
VINEYARD SEED MV-58W	140.3	144.0	134.6	13.6	90.3	3.1
WHITE AVERAGE	140.6	161.2	169.9	14.2	88.5	1.8
GRAND AVERAGE	152.4	165.3	169.9	12.8	90.8	1.4
LSD(0.10)			25.4	0.8	7.5	2.7
C.V.			11.1	4.4	6.2	147.0

TABLE 7.—ANNUAL SUMMARY, RUSSELLVILLE

VARIETY	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 85-87	BU/AC 86-87	BU/AC 1987	MOIST 1987	STAND 1987	LODGED 1987
YELLOW HYBRIDS						
PIONEER BRAND 3165	156.1	178.3	200.0	13.8	87.5	3.9
SUNBELT 1802			182.5	14.1	88.9	0.0
AGRIPRO AP670		163.7	181.6	13.0	95.8	5.2
PFISTER HYBRIDS 4470		174.9	174.6	13.1	85.2	0.5
ZIMMERMAN Z27	142.1	165.3	174.0	13.0	80.1	1.1
ASGROW/O'S GOLD RX905			169.9	13.8	80.1	3.3
PAYMASTER 8990	144.9	173.0	169.5	14.8	88.4	4.2
STEWART HYBRIDS S-7356			169.2	13.1	89.4	2.0
STEWART HYBRIDS S-6973	142.4	170.0	168.8	13.1	78.2	6.8
PIONEER BRAND 3295			168.0	12.7	87.5	2.1
PRAIRIE STREAM SX702		174.3	167.9	13.0	88.0	12.2
MCCURDY 7676	142.5	164.4	167.4	13.0	85.6	0.5
ASGROW/O'S GOLD 2570	144.3	165.9	166.1	13.4	91.2	11.1
PIONEER BRAND 3320	142.1	165.7	165.5	13.4	98.1	4.7
PAYMASTER 7990	145.2	169.8	165.5	12.8	83.3	3.9
SEEDTEC 2675	145.0	168.4	165.5	13.5	85.6	2.2
STAUFFER S7759	142.9	166.8	164.7	12.9	87.0	2.2
NORTHROP-KING PX9581	139.5	163.4	164.6	13.3	92.1	5.5
COLBERT 345	144.8	169.8	164.5	13.9	85.2	4.8
DENNIS DS642	145.3	162.5	164.5	13.0	81.5	0.0
SUPER CROST 5415			163.6	13.0	91.7	0.5
NORTHROP-KING PX95	141.5	155.2	163.6	13.9	81.0	9.4
FR27 X M017		160.7	163.4	13.3	89.8	9.2
D&H SEEDS DH7144		168.9	163.4	13.7	81.9	0.0
PFISTER HYBRIDS 4571		165.8	163.3	13.2	83.3	3.2
DEKALB-PFIZER DK656			162.5	13.2	91.7	0.0
HYPERFORMER X9340			162.1	13.0	87.5	1.0
P.A.G. 7993			161.5	13.2	81.9	0.5
BO-JAC 6503			160.6	12.1	84.3	3.6
GOLDEN AC. T-E 6998	133.3	160.7	160.6	13.3	85.2	4.4
FR27 X PA91		161.9	160.1	14.0	81.0	4.1
COLBERT 326	140.3	164.7	159.8	12.9	86.6	3.9
ASGROW/O'S GOLD 5509			159.8	14.7	82.4	2.1
D&H SEEDS DH7183	137.7	160.6	159.1	14.5	72.7	2.7
COKER CX5059			158.9	13.3	79.6	0.5
FUNK'S G-4666			156.0	13.6	85.2	0.0
SELECT SEED 9131	141.1	157.7	155.7	12.8	84.7	0.0
AGRIPRO HP555	137.1	159.9	155.5	13.4	82.4	3.8
ZIMMERMAN Z28	148.4	163.1	154.8	13.0	82.4	2.2
AGRIGOLD A-6655			154.7	13.2	79.6	3.2
JACOBI 8801		160.6	154.3	13.3	88.0	0.0
DEKALB-PFIZER DK689	134.6	149.8	154.2	13.5	66.7	4.4
JACQUES 8210			154.0	13.5	87.5	1.6
CARGILL 967	140.3	154.4	153.6	12.7	88.4	5.2
COKER CX5067			153.5	13.3	63.0	1.3
MCCURDY 8150			152.8	13.4	83.3	2.8
PRINCETON SX860	130.8	150.2	152.5	13.9	85.2	0.0
AGRIPRO AP510			151.2	13.8	90.7	0.0
SO. CROSS 511		161.5	151.2	13.7	77.8	1.2
GARST SEED 8180			151.2	12.7	74.5	5.0
GUTWEIN 2820	130.5	154.8	150.8	13.1	80.6	0.6
SO. STATES SS811	135.3	159.0	150.6	13.0	87.0	8.6
LEADER SX717	133.5	156.9	150.4	14.2	77.3	1.3
NORTHROP-KING PX9584			150.3	13.5	82.4	0.5
FUNK'S RA1502	134.4	156.5	149.3	13.5	80.1	0.6
SUN PRAIRIE SP5850			149.2	13.5	87.5	5.1
SO. CROSS 811			149.1	13.3	62.5	0.0
CARGILL 8717			148.8	14.3	87.5	3.6
FUNK'S G-4543			148.4	12.5	85.6	1.0
LYNKS LX4355		152.1	148.4	12.8	85.2	0.0
SUN PRAIRIE SP3300			148.2	13.4	78.2	0.7
ADLERS 6100			148.1	13.0	92.6	3.1
DEKALB-PFIZER DK748	137.4	158.3	148.1	13.5	72.2	4.5
SO. STATES SS810			147.9	12.7	87.0	0.6
ZIMMERMAN Z38			147.7	13.3	81.0	2.2
D&H SEEDS DH9113	131.5	149.6	147.5	13.6	71.3	1.2
SO. STATES SS728	135.0	152.6	147.5	13.0	85.2	0.6
PAYMASTER 8951			146.8	14.1	94.4	2.9
P.A.G. 9427			146.7	13.6	91.7	1.9
NORTHROP-KING PX9540			146.2	13.3	89.8	0.0

TABLE 7.—RUSSELLVILLE (continued)

VARIETY	YIELD BU/AC 85-87	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987
YELLOW HYBRIDS						
BO-JAC 674	130.9	153.4	145.7	13.2	90.3	2.1
SUN PRAIRIE SP240		158.4	145.6	13.2	85.2	10.5
CARGILL 971	136.0	158.6	145.1	13.1	83.3	8.2
STEWART SEEDS SX87		149.0	144.5	13.6	75.9	1.2
CROW'S SL75			143.9	13.8	81.5	2.0
SELECT SEED 5188-S		148.0	143.7	13.1	81.0	2.8
ADLERS 88X	131.8	153.0	143.6	14.3	83.3	4.4
AGRATECH 888			143.1	13.2	63.9	0.0
BECK'S 89X	134.3	148.7	142.4	13.7	81.5	0.7
DEKALB-PFIZER DK711		149.7	141.8	14.6	75.9	0.7
CROW'S 688	129.9	142.0	141.7	13.4	83.3	7.7
STEWART HYBRIDS S-7355			141.7	13.1	84.7	1.6
COKER CX5053			141.7	12.9	88.9	0.0
JACQUES 8700	126.4	152.9	141.6	13.8	79.2	0.6
DENNIS DS645		149.7	140.9	13.4	86.1	0.6
GOLDEN AC. T-E 6996	134.0	152.0	139.6	14.0	61.1	2.3
BO-JAC 675			139.5	13.7	83.8	3.4
STAUFFER S7686			139.4	12.7	80.1	0.0
BECK'S 64XA			139.3	11.8	78.2	2.6
STEWART HYBRIDS S-7367			139.0	12.6	81.9	0.0
JACQUES 8350	132.6	145.7	138.7	13.1	85.6	5.1
JACOBI 8850			138.7	12.9	81.9	1.1
LYNKS LX4521			138.7	13.5	73.6	0.0
FUNK'S G-4635		150.3	137.1	13.2	89.4	3.1
AGRATECH GK900	135.3	153.4	136.7	14.1	75.5	12.7
COLBERT 320		153.4	136.6	13.1	83.8	2.3
SUPER CROST 5460	132.2	146.2	135.8	12.9	87.5	0.0
AGRIGOLD A-6615			135.6	13.2	85.6	0.6
NORTHROP-KING PX9646		155.5	135.0	13.9	93.1	12.1
LYNKS LX4533		143.6	134.7	13.0	75.0	0.6
BECK'S 85XA	132.3	142.2	134.5	13.5	69.4	2.0
GARST SEED 8388		140.9	133.2	12.7	83.3	0.0
FR27 X LH38		142.2	132.4	12.5	81.0	1.7
PAYMASTER 7989		144.4	131.9	12.5	79.2	7.5
JACOBI 8901			131.8	13.2	69.4	0.7
SEEDTEC ST-7750	133.2	139.6	130.7	12.9	74.5	1.1
GOLDEN AC. T-E 6988			130.6	13.0	77.8	3.9
AGRIGOLD XA-876			130.0	15.6	77.8	0.0
SO. STATES SS737	122.4	136.6	127.6	12.7	78.7	8.0
P.A.G. SX352	127.1	140.4	127.3	12.9	89.4	7.1
STEWART SEEDS SX69		140.7	126.8	12.9	71.8	3.1
P.A.G. SX351	131.4	152.6	126.7	12.3	85.6	6.5
CARGILL 973		139.7	126.2	13.5	82.9	0.6
CARGILL 980	133.4	151.1	125.7	14.2	89.8	1.1
GARST SEED 8344	132.0	145.8	125.3	13.5	79.2	0.6
AGRIPRO AP850			122.2	15.3	75.5	2.1
FUNK'S/EXCEL 6064E			121.5	12.7	83.8	0.0
SEEDTEC ST-7680			121.0	13.0	73.1	0.0
AGRATECH GK750		128.0	115.5	12.8	90.3	0.5
CROW'S 488		138.2	115.5	12.3	74.1	2.5
HYPERFORMER X956			113.1	13.9	61.1	0.0
YELLOW AVERAGE	136.9	155.3	148.5	13.3	82.4	2.7
WHITE HYBRIDS						
ZIMMERMAN Z14W	136.6	165.9	161.1	15.2	82.4	8.6
PIONEER BRAND 3144W		168.6	160.5	13.9	75.5	3.2
AGRIGOLD A-6795W	137.7	162.3	155.6	14.1	93.1	9.5
COKER 833W	133.6	144.9	146.5	14.2	79.6	6.2
VINEYARD SEED MV-58W	120.6	142.4	144.1	14.3	89.4	4.6
JACQUES W-310			140.0	14.6	82.9	11.3
ZIMMERMAN Z60W		155.1	137.8	13.8	81.5	2.1
ASGROW/O'S GOLD RX956W			131.3	15.5	81.9	2.7
VINEYARD SEED MV-68W	115.0	136.4	122.6	14.8	80.6	4.5
WHITE AVERAGE	128.7	153.6	144.4	14.5	83.0	5.9
GRAND AVERAGE	136.1	155.2	148.2	13.4	82.4	2.9
LSD(0.10)			26.8	0.8	10.0	4.9
C.V.			13.4	4.5	8.7	126.7

TABLE 8.—ANNUAL SUMMARY, ELIZABETHTOWN

VARIETY	YIELD BU/AC 85-87	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987	
YELLOW HYBRIDS							
PIONEER BRAND 3165	183.2	186.4	197.8	15.1	94.9	0.0	
JACQUES 8700	170.1	168.0	188.9	14.6	90.6	1.4	
CARGILL 967	173.8	168.2	183.9	12.7	91.5	0.4	
ASGROW/O'S GOLD 5509			181.5	14.6	95.7	0.5	
SEEDTEC ST-7750	168.2	169.7	178.8	13.4	87.2	0.0	
DEKALB-PFIZER DK689	156.9	166.9	178.6	13.0	90.6	1.0	
P.A.G. SX351	172.7	174.4	176.1	13.0	88.0	1.9	
AGRIGOLD A-6655			175.8	13.0	97.9	0.4	
GUTWEIN 2820	161.9	164.7	175.3	13.8	91.5	0.0	
COLBERT 326	172.2	166.4	175.0	13.4	89.7	0.5	
PAYMASTER 7989			162.8	174.3	13.4	87.2	3.0
D&H SEEDS DH9113	159.0	158.4	173.9	13.9	86.8	1.0	
SUN PRAIRIE SP5850			173.5	13.3	90.2	1.5	
HYPERFORMER X9340			173.4	13.1	93.2	1.4	
SO. STATES SS811	151.5	158.9	173.3	13.3	84.6	2.1	
DENNIS DS645		164.2	172.7	14.1	93.6	0.5	
SUPER CROST 5460	161.0	167.7	172.6	13.3	94.4	0.9	
BO-JAC 674	152.8	158.2	172.5	14.4	93.6	0.5	
BECK'S 85XA	162.4	161.3	172.2	16.0	88.0	2.0	
BECK'S 64XA			171.9	12.2	87.2	0.0	
DEKALB-PFIZER DK656			171.8	12.9	87.6	0.5	
P.A.G. SX352	159.1	158.2	171.3	13.1	90.2	0.0	
D&H SEEDS DH7144		157.3	170.4	13.1	91.9	0.9	
PFISTER HYBRIDS 4470		155.9	170.2	13.2	91.5	0.0	
BO-JAC 6503			169.7	12.2	92.3	1.9	
PIONEER BRAND 3320	171.7	169.3	169.7	13.4	94.0	1.3	
ASGROW/O'S GOLD RX905			169.0	12.5	93.2	0.9	
CARGILL 980	170.2	155.4	168.6	14.2	91.5	1.5	
COLBERT 320		162.4	168.5	12.9	94.0	1.0	
JACOBI 8901			168.1	14.1	89.7	1.4	
CARGILL 973		155.7	167.6	13.6	93.2	2.3	
ZIMMERMAN Z27	154.7	148.7	167.6	12.5	91.5	1.9	
LYNKS LX4521			167.5	13.1	89.3	1.9	
SUN PRAIRIE SP3300			167.2	13.0	94.4	0.0	
D&H SEEDS DH7183	158.9	164.0	167.1	14.1	92.7	1.4	
MCCURDY 7676	157.1	157.8	166.1	13.0	85.5	1.0	
FUNK'S G-4543			165.9	13.1	90.2	2.8	
PRAIRIE STREAM SX702		155.7	165.7	12.9	91.0	4.7	
GARST SEED 8344	148.3	152.5	165.2	13.1	87.2	0.9	
FUNK'S RA1502	156.2	156.5	165.1	14.6	89.7	1.8	
NORTHROP-KING PX9646		170.6	164.9	13.9	94.9	1.4	
AGRIPRO AP510			163.7	13.1	90.6	1.4	
FR27 X PA91		149.3	163.6	13.5	86.8	0.5	
ADLERS 88X	155.7	145.7	162.9	13.8	92.3	0.9	
SO. STATES SS728	160.1	159.4	162.8	13.5	88.5	1.5	
PAYMASTER 8951			162.6	14.5	93.6	1.9	
AGRIPRO HP555	151.1	149.2	162.4	14.2	91.5	0.5	
STEWART HYBRIDS S-6973	142.9	141.1	162.2	12.8	86.3	3.0	
FR27 X M017		147.6	161.3	12.8	83.8	1.0	
NORTHROP-KING PX9581	156.6	152.3	161.0	13.5	85.0	3.8	
STAUFFER S7686			160.6	13.1	90.2	0.5	
COKER CX5067			160.2	13.6	80.3	2.2	
ZIMMERMAN Z38			159.7	14.0	82.5	0.0	
P.A.G. 9427			159.6	13.5	93.6	1.4	
ZIMMERMAN Z28	151.0	141.9	159.6	12.9	94.9	1.4	
ASGROW/O'S GOLD 2570	143.6	146.0	159.5	13.2	82.5	1.0	
NORTHROP-KING PX95	164.1	155.1	159.5	13.6	92.7	2.7	
COKER CX5059			159.4	13.8	83.8	1.2	
BO-JAC 675			158.0	14.2	93.2	0.0	
AGRIPRO AP670		148.7	157.8	13.3	91.9	0.5	
PAYMASTER 7990	157.3	152.6	157.6	13.1	84.2	3.2	
PIONEER BRAND 3295			157.5	12.6	95.3	0.5	
STAUFFER S7759	146.1	144.5	156.9	13.0	90.2	1.4	
FUNK'S/EXCEL 6064E			155.9	13.2	89.7	0.5	
CARGILL 8717			155.6	12.7	94.0	0.9	
SO. STATES SS810			155.5	13.1	90.2	0.0	
LEADER SX717	161.9	157.9	155.4	13.7	79.1	1.1	
SEEDTEC ST-7680			155.3	13.3	88.9	0.0	
MCCURDY 8150			155.0	14.7	79.5	3.4	
GOLDEN AC. T-E 6996	159.5	158.3	154.7	14.9	74.8	0.6	

TABLE 8.—ELIZABETHTOWN (continued)

VARIETY	YIELD BU/AC 85-87	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987
YELLOW HYBRIDS						
BECK'S 89X	158.6	150.8	154.5	13.1	93.6	0.9
LYNKS LX4355		147.6	154.5	13.4	88.9	0.0
GOLDEN AC. T-E 6998	157.3	148.6	153.9	14.0	78.2	1.1
LYNKS LX4533		154.4	153.5	12.7	85.0	0.6
NORTHRUP-KING PX9540			153.5	13.4	88.5	2.0
STEWART SEEDS SX69		140.4	153.1	13.7	85.5	3.8
SUNBELT 1802			152.3	14.0	85.5	1.0
PFISTER HYBRIDS 4571		144.1	152.2	13.9	90.2	0.0
AGRATECH GK750		146.3	151.8	13.7	92.7	0.5
DEKALB-PFIZER DK748	153.7	153.0	151.1	13.5	89.7	0.9
CROW'S 488		141.9	150.5	12.5	92.3	2.3
STEWART HYBRIDS S-7356			150.4	13.0	86.3	5.1
COLBERT 345	156.3	143.5	150.3	14.3	84.2	2.5
AGRIPRO AP850			150.1	14.7	88.0	0.9
JACQUES 8350	149.4	144.4	149.6	13.9	83.3	3.6
GARST SEED 8388		144.4	149.5	13.6	86.8	0.0
SUPER CROST 5415			149.0	13.2	92.7	0.9
SUN PRAIRIE SP240		142.3	148.6	13.3	86.3	2.5
AGRATECH 888			147.4	13.4	91.9	0.5
SELECT SEED 9131	147.6	151.2	146.4	12.9	91.0	0.0
GARST SEED 8180			145.7	13.0	88.0	2.4
SO. STATES SS737	146.7	137.3	145.6	12.4	91.0	0.0
AGRIGOLD XA-876			145.1	13.4	89.3	0.5
PAYMASTER 8990	154.7	148.7	145.0	14.6	89.7	1.4
AGRIGOLD A-6615			144.8	13.5	90.6	0.9
FUNK'S G-4635		149.7	144.2	13.0	86.8	0.9
JACQUES 8210			142.9	13.0	88.9	1.5
STEWART HYBRIDS S-7355			142.3	12.6	89.7	2.0
FUNK'S G-4666			142.3	13.6	92.7	0.4
DENNIS DS642	148.3	145.3	142.2	13.0	82.5	2.7
STEWART HYBRIDS S-7367			142.2	12.6	91.5	0.0
HYPERFORMER X956			141.7	14.0	79.1	0.6
CROW'S 688	147.3	137.1	141.5	14.4	85.0	1.0
AGRATECH GK900	156.7	152.6	141.0	14.0	87.6	2.4
SO. CROSS 811			140.3	12.9	71.8	5.3
GOLDEN AC. T-E 6988			137.6	12.9	88.5	1.0
ADLERS 6100			136.9	13.4	89.3	0.9
SO. CROSS 511		143.1	136.4	14.7	66.7	2.1
DEKALB-PFIZER DK711		138.8	133.1	13.4	84.6	2.5
JACOBI 8850			132.1	13.2	84.2	2.6
STEWART SEEDS SX87		138.8	130.9	13.6	73.5	3.2
NORTHRUP-KING PX9584			129.2	13.0	91.0	0.5
SEEDTEC 2675	143.1	140.3	128.1	13.3	88.0	1.5
CARGILL 971	142.8	137.3	126.2	13.0	85.9	4.4
JACOBI 8801		136.1	125.6	13.8	76.1	2.3
FR27 X LH38		123.3	122.0	12.2	82.1	2.6
PRINCETON SX860	137.5	131.6	118.0	14.0	88.5	1.0
P.A.G. 7993			116.5	13.0	88.5	1.0
CROW'S SL75			116.5	14.5	79.1	2.8
SELECT SEED 5188-S		130.4	116.3	13.2	81.2	0.0
COKER CX5053			106.8	13.9	76.9	8.2
YELLOW AVERAGE	156.8	152.2	155.9	13.5	88.2	1.4
WHITE HYBRIDS						
VINEYARD SEED MV-68W	143.6	149.4	164.3	15.5	91.9	0.5
ZIMMERMAN Z14W	158.5	148.3	161.2	14.7	89.7	1.9
PIONEER BRAND 3144W		158.6	159.2	13.3	87.2	0.5
AGRIGOLD A-6795W	153.4	155.7	149.9	14.0	91.5	1.9
ASGROW/O'S GOLD RX956W			147.8	15.0	82.1	0.0
VINEYARD SEED MV-58W	141.1	139.5	145.3	14.1	88.9	0.9
JACQUES W-310			139.9	15.4	89.7	4.3
ZIMMERMAN Z60W		146.0	136.1	13.9	85.9	3.7
COKER 833W	135.9	124.4	133.5	13.6	84.2	1.1
WHITE AVERAGE	146.5	146.0	148.6	14.4	87.9	1.6
GRAND AVERAGE	155.9	151.6	155.4	13.5	88.2	1.4
LSD(0.10)			33.6	0.7	8.3	2.6
C.V.			16.1	4.0	7.0	131.1



TABLE 9.—LEXINGTON, (continued)

VARIETY	YIELD BU/AC 85-87	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987
YELLOW HYBRIDS						
FR27 X LH38		114.0	128.5	17.5	90.3	2.1
CROW'S 688	116.5	112.5	128.4	22.9	90.7	3.1
SUPER CROST 5460	121.0	118.6	128.4	26.1	96.8	1.0
FUNK'S G-4543			128.4	20.6	95.8	0.5
ADLERS 6100			128.3	17.3	91.7	2.0
DEKALB-PFIZER DK656			128.2	17.9	92.6	1.5
DENNIS DS645		123.0	127.9	22.4	96.8	2.8
GUTWEIN 2820	118.8	110.7	127.8	20.9	94.9	0.5
NORTHROP-KING PX9581	118.0	117.7	127.7	23.3	94.0	2.0
JACQUES 8700	112.1	108.7	127.7	22.5	92.6	3.0
STAUFFER S7759	128.1	115.7	126.9	16.7	94.0	1.5
SUN PRAIRIE SP5850			126.8	19.6	94.4	1.0
JACOBI 8801		117.4	126.4	20.2	92.6	1.5
BO-JAC 675			126.4	19.8	96.8	1.4
PIONEER BRAND 3295			126.4	19.1	95.4	4.4
SUPER CROST 5415			126.1	17.0	93.1	0.5
SELECT SEED 9131	116.8	111.6	125.7	18.3	91.2	2.5
STEWART SEEDS SX69		113.8	125.3	17.8	89.8	1.0
CROW'S 488		109.0	124.8	18.0	90.7	1.5
CROW'S SL75			124.6	22.0	79.6	1.3
PFISTER HYBRIDS 4470		114.1	124.5	19.8	93.1	1.1
SEEDTEC ST-7680			124.4	17.6	93.5	0.5
CARGILL 8717			123.8	18.1	98.1	1.9
SO. STATES SS728	123.5	112.6	122.9	19.5	93.5	1.0
SO. STATES SS811	115.0	106.1	122.7	18.4	98.1	1.0
STEWART HYBRIDS S-7367			122.6	17.3	90.7	4.1
FUNK'S/EXCEL 6064E			122.3	19.4	94.0	1.0
LYNKS LX4533		114.3	122.1	19.9	87.5	1.1
NORTHROP-KING PX9584			121.6	17.7	98.1	1.9
LYNKS LX4355		108.7	121.4	17.0	88.0	2.1
D&H SEEDS DH7144		111.5	121.0	20.9	90.7	0.5
AGRIGOLD XA-876			120.0	21.3	93.1	0.5
ZIMMERMAN Z38			119.8	15.7	89.4	0.0
JACOBI 8850			119.2	19.2	91.7	1.0
LYNKS LX4521			118.9	17.2	86.6	1.6
LEADER SX717	113.8	108.3	118.1	20.3	87.5	2.6
HYPERFORMER X956			118.0	19.0	76.9	2.4
SEEDTEC ST-7750	119.5	108.4	117.6	20.0	91.7	2.0
AGRIGOLD A-6615			117.5	22.2	96.8	1.0
SO. STATES SS810			117.2	19.2	91.7	3.0
CARGILL 980	113.1	110.8	116.8	21.8	95.4	1.5
D&H SEEDS DH7183	111.5	105.3	116.3	23.2	91.2	2.0
SO. CROSS 511		103.8	116.3	19.8	73.6	1.2
PAYMASTER 8990	103.9	106.7	116.3	25.5	92.6	3.5
PAYMASTER 8951			116.1	23.5	91.7	1.0
AGRATECH 888			115.3	19.0	87.0	1.6
AGRIPRO AP510			115.3	17.6	91.2	1.4
AGRIPRO AP670		113.9	115.2	17.3	92.6	1.0
SELECT SEED 5188-S		116.6	115.2	20.9	94.9	0.5
PRINCETON SX860	114.5	106.4	115.0	18.6	91.2	2.0
PFISTER HYBRIDS 4571		105.3	106.4	20.9	94.4	3.6
YELLOW AVERAGE	120.7	115.1	131.0	19.6	92.6	1.8
WHITE HYBRIDS						
PIONEER BRAND 3144W		118.1	142.8	16.1	85.2	1.0
ASGROW/O'S GOLD RX956W			134.3	21.2	82.4	1.1
ZIMMERMAN Z14W	100.9	107.5	130.2	21.2	85.2	1.5
JACQUES W-310			128.3	21.4	93.1	1.0
AGRIGOLD A-6795W	110.9	106.6	122.1	21.4	93.5	5.9
VINEYARD SEED MV-68W	101.1	107.7	120.5	20.2	95.4	0.0
VINEYARD SEED MV-58W	99.3	104.8	119.4	18.3	98.6	1.4
ZIMMERMAN Z60W		92.9	112.7	20.4	86.6	2.2
COKER 833W	90.5	84.2	105.2	22.3	88.9	1.1
WHITE AVERAGE	100.5	103.1	123.9	20.3	89.9	1.7
GRAND AVERAGE	118.8	114.1	130.5	19.6	92.4	1.8
LSD(0.10)			20.3	3.0	5.1	2.6
C.V.			11.5	11.4	4.1	103.0

TABLE 9.—ANNUAL SUMMARY, LEXINGTON

VARIETY	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 85-87	BU/AC 86-87	BU/AC 1987	MOIST 1987	STAND 1987	LODGED 1987
YELLOW HYBRIDS						
GOLDEN AC. T-E 6998	131.0	120.7	153.9	20.8	94.0	2.0
P.A.G. SX351	125.7	122.6	151.2	18.0	94.0	3.0
BO-JAC 6503			149.8	15.9	93.5	1.5
ASGROW/O'S GOLD 2570	127.3	122.7	148.1	19.1	91.2	0.5
BECK'S 64XA			147.7	14.0	92.6	1.0
PAYMASTER 7990	126.1	116.4	146.8	18.2	98.6	3.3
ADLERS 88X	124.2	117.0	146.5	19.6	94.0	2.0
MCCURDY 8150			146.3	21.5	98.6	0.5
P.A.G. 9427			145.2	18.9	92.6	1.5
PAYMASTER 7989		124.1	143.8	16.9	98.6	4.2
BECK'S 85XA	130.9	125.0	142.8	19.6	81.9	5.6
DENNIS DS642	122.2	121.2	142.4	18.9	93.5	2.9
BECK'S 89X	129.1	119.1	142.3	19.1	94.9	2.9
BO-JAC 674	125.3	126.0	142.1	17.5	93.1	0.0
COKER CX5067			141.5	18.3	87.0	3.7
NORTHROP-KING PX9646		121.1	141.1	18.5	94.4	2.5
SUN PRAIRIE SP3300			141.1	19.0	98.1	0.0
CARGILL 967	129.2	118.2	140.8	17.7	93.1	1.5
AGRIGOLD A-6655			140.7	18.2	96.8	0.9
AGRIPRO HP555	131.4	123.7	140.6	23.0	94.9	1.9
COLBERT 320		117.2	140.2	19.6	96.8	4.3
FUNK'S G-4666			139.7	17.7	98.1	1.9
STEWART HYBRIDS S-6973	115.5	112.6	139.5	18.2	94.0	1.0
SUNBELT 1802			139.2	21.3	95.8	1.4
CARGILL 973		114.1	139.0	22.3	96.8	0.9
ZIMMERMAN Z28	127.9	124.7	138.9	18.9	94.4	2.4
HYPERFORMER X9340			138.9	19.4	94.9	1.0
JACQUES 8210			138.4	20.4	91.7	5.1
PRAIRIE STREAM SX702		110.3	138.0	16.2	95.4	1.9
STEWART HYBRIDS S-7355			137.8	17.7	93.5	1.0
PIONEER BRAND 3320	122.8	116.3	137.7	17.3	94.0	0.5
D&H SEEDS DH9113	110.7	103.5	137.6	19.8	91.7	3.0
FUNK'S G-4635		120.6	137.3	21.5	92.6	5.5
GOLDEN AC. T-E 6996	125.3	118.8	137.2	22.8	89.4	1.6
COKER CX5059			137.1	20.3	94.4	0.0
SEEDTEC 2675	113.3	115.5	136.7	18.2	96.8	2.8
ZIMMERMAN Z27	125.1	118.9	136.5	19.2	90.3	2.6
DEKALB-PFIZER DK711		121.0	136.4	21.7	83.8	1.1
FR27 X M017		120.4	136.4	18.3	97.2	1.0
MCCURDY 7676	125.2	120.7	136.1	18.8	92.6	1.0
ASGROW/O'S GOLD 5509			136.1	19.4	94.4	3.0
FUNK'S RA1502	119.7	119.9	135.4	21.0	93.5	1.9
GARST SEED 8344	127.7	127.3	135.2	20.5	94.4	2.0
NORTHROP-KING PX9540			135.1	17.7	95.4	1.0
STAUFFER S7686			135.1	17.3	94.4	3.4
CARGILL 971	114.0	111.2	134.8	18.5	96.3	1.9
GOLDEN AC. T-E 6988			134.8	18.6	90.7	1.9
SO. STATES SS737	110.8	109.0	134.6	17.1	96.8	1.0
JACQUES 8350	126.2	117.5	134.6	23.3	93.1	0.0
P.A.G. 7993			134.4	20.2	95.4	1.4
SO. CROSS 811			134.0	17.1	74.5	3.1
P.A.G. SX352	130.2	124.5	133.5	19.5	95.4	2.9
AGRATECH GK750		115.9	133.3	20.9	94.4	0.5
STEWART HYBRIDS S-7356			133.2	19.5	91.7	0.0
AGRIPRO AP850			133.1	20.9	94.9	3.0
COLBERT 326	117.5	111.7	133.0	19.9	96.8	2.0
NORTHROP-KING PX95	111.7	106.6	132.9	23.6	87.5	2.1
SUN PRAIRIE SP240		113.9	132.0	20.4	98.1	1.9
STEWART SEEDS SX87		121.4	131.8	22.1	77.3	0.0
PIONEER BRAND 3165	124.0	116.9	131.4	20.9	96.3	1.4
COLBERT 345	114.6	107.0	131.4	22.6	92.6	3.6
AGRATECH GK900	123.7	113.7	131.2	20.4	91.7	1.6
GARST SEED 8388		112.4	131.0	18.5	99.1	1.9
ASGROW/O'S GOLD RX905			130.7	19.6	92.1	0.5
DEKALB-PFIZER DK748	119.6	118.3	130.3	23.1	94.0	2.9
JACOBI 8901			130.2	18.7	88.9	2.6
COKER CX5053			130.2	20.5	93.5	1.5
GARST SEED 8180			129.2	19.4	90.3	1.5
FR27 X PA91		111.7	129.1	19.4	88.9	3.6
DEKALB-PFIZER DK689	121.4	108.3	128.5	16.7	90.7	1.0

TABLE 10.—ANNUAL SUMMARY, QUICKSAND

VARIETY	YIELD BU/AC 85-87	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987
YELLOW HYBRIDS						
GOLDEN AC. T-E 6998	166.3	166.8	209.4	17.0	92.1	1.0
PFISTER HYBRIDS 4470		161.1	205.2	18.0	97.2	1.8
MCCURDY 7676	166.7	163.4	202.7	16.8	95.4	1.9
DEKALB-PFIZER DK689	175.1	175.3	199.1	16.9	88.9	0.0
PAYMASTER 7989		154.4	198.4	15.8	96.3	0.9
FUNK'S G-4635		166.0	197.9	16.1	93.5	0.0
BO-JAC 6503			196.4	14.9	95.4	0.5
ASGROW/O'S GOLD 2570	161.4	156.3	196.0	16.4	91.2	0.0
PIONEER BRAND 3295			195.4	16.4	92.6	2.8
FUNK'S G-4666			194.9	16.0	88.9	1.5
AGRIGOLD A-6655			194.9	15.2	96.8	0.5
PIONEER BRAND 3165	160.3	159.1	192.7	18.6	95.4	0.5
DEKALB-PFIZER DK748	158.1	162.4	192.6	16.6	89.8	1.0
ADLERS 88X	161.5	162.3	190.5	17.4	88.4	1.0
PAYMASTER 8951			190.3	17.2	99.1	0.0
SUN PRAIRIE SP240		145.1	190.3	15.8	98.1	1.4
LYNKS LX4355		152.1	188.9	15.8	90.7	1.1
AGRIPRO HP555	153.1	153.9	188.4	17.7	94.4	1.5
HYPERFORMER X9340			184.7	17.0	94.4	0.0
CARGILL 8717			184.5	15.8	94.9	0.5
DENNIS DS642	156.3	152.6	184.2	16.7	96.8	0.0
FR27 X PA91		163.1	184.2	18.3	88.0	0.5
BECK'S 89X	151.7	148.9	183.0	16.3	94.0	1.0
ASGROW/O'S GOLD 5509			182.0	19.0	94.4	0.0
COKER CX5053			181.9	17.4	87.5	1.6
MCCURDY 8150			181.6	19.3	94.4	0.0
DEKALB-PFIZER DK711		166.1	181.1	17.6	91.7	2.0
STEWART HYBRIDS S-6973	159.2	161.4	180.6	16.7	92.1	2.0
FUNK'S G-4543			180.4	15.6	91.7	1.0
BO-JAC 675			179.9	16.9	99.1	0.5
NORTHRUP-KING PX9646		141.6	178.8	19.4	89.4	1.6
COKER CX5059			178.2	17.6	90.7	0.5
GOLDEN AC. T-E 6996	145.4	147.7	176.7	17.8	91.2	1.0
DENNIS DS645		153.8	176.6	17.1	89.8	0.5
DEKALB-PFIZER DK656			176.6	16.8	92.1	0.5
SEEDTEC ST-7750	145.0	139.1	176.5	16.4	87.0	2.1
FUNK'S RA1502	147.9	141.9	176.3	17.1	92.6	1.0
JACQUES 8350	149.6	148.2	176.0	16.6	87.0	0.0
ZIMMERMAN Z27	149.7	138.4	175.9	15.6	89.8	0.0
PAYMASTER 8990	145.3	143.1	175.7	17.9	93.5	1.0
PFISTER HYBRIDS 4571		158.2	175.4	17.6	92.1	1.4
FUNK'S/EXCEL 6064E			175.3	15.8	89.4	0.0
D&H SEEDS DH7183	156.8	158.9	175.2	17.1	86.6	1.1
PRAIRIE STREAM SX702		148.2	175.1	16.5	94.0	1.5
COLBERT 320		152.4	174.7	16.8	94.0	1.0
FR27 X M017		145.2	174.3	15.4	97.2	1.0
ZIMMERMAN Z38			174.0	16.9	93.5	0.5
AGRIGOLD A-6615			173.2	15.8	94.0	0.0
CROW'S 488		138.1	173.2	15.2	86.6	3.3
AGRIPRO AP850			172.7	18.0	95.8	1.4
SO. STATES SS810			172.2	15.7	94.0	0.0
GARST SEED 8388		149.1	172.1	17.3	93.5	1.0
STAUFFER S7759	146.2	145.3	171.9	15.8	96.3	0.5
AGRATECH GK900	148.6	149.9	171.2	17.6	95.8	1.9
GOLDEN AC. T-E 6988			170.5	15.7	89.8	0.5
COKER CX5067			170.1	16.2	85.6	0.5
AGRIGOLD XA-876			170.0	16.5	88.0	1.1
ASGROW/O'S GOLD RX905			169.9	17.0	93.1	0.5
P.A.G. SX352	143.8	142.9	169.9	15.4	94.4	0.5
CROW'S SL75			169.5	17.3	88.0	0.5
STEWART HYBRIDS S-7367			169.4	15.9	89.8	0.5
STAUFFER S7686			169.3	15.7	91.2	0.0
SUPER CROST 5460	146.6	145.4	169.3	16.3	97.2	0.5
JACOBI 8801		148.8	167.1	16.9	89.4	1.1
LYNKS LX4521			167.0	17.7	86.6	1.1
BO-JAC 674	149.4	144.1	167.0	16.8	94.9	0.0
SUPER CROST 5415			166.8	16.8	97.2	1.4
GUTWEIN 2820	142.5	138.2	166.7	16.9	89.4	0.0
JACQUES 8210			166.1	16.1	94.4	0.5
SELECT SEED 9131	150.3	145.0	164.9	16.8	84.3	1.1

TABLE 10.—QUICKSAND (continued)

VARIETY	YIELD	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 85-87	BU/AC 86-87	BU/AC 1987	MOIST 1987	STAND 1987	LODGED 1987
YELLOW HYBRIDS						
CARGILL 973		131.9	164.9	15.6	90.3	0.5
SO. STATES SS728	142.6	134.2	164.8	16.7	94.4	0.5
P.A.G. SX351	136.8	134.2	164.0	15.1	93.5	1.5
PIONEER BRAND 3320	146.0	136.6	162.9	17.3	89.8	2.5
COLBERT 326	146.0	134.3	162.7	17.4	93.5	1.0
NORTHRUP-KING PX9584			162.6	17.2	95.4	0.5
NORTHRUP-KING PX9581	147.7	147.1	162.2	18.2	88.0	4.2
LYNKS LX4533		134.3	162.1	16.7	84.7	2.2
STEWART HYBRIDS S-7355			162.0	16.3	86.1	1.0
P.A.G. 9427			161.0	16.6	92.6	1.5
JACQUES 8700	156.3	147.2	160.8	16.7	82.4	2.1
CARGILL 980	142.7	143.4	160.4	17.3	90.7	1.0
NORTHRUP-KING PX9540			160.1	15.2	91.2	1.0
AGRATECH 888			159.1	17.5	88.4	1.0
STEWART SEEDS SX87		138.4	158.9	16.9	91.2	0.5
SUN PRAIRIE SP5850			158.9	17.8	91.2	1.0
FR27 X LH38		123.1	158.7	15.5	87.0	1.0
SEEDTEC -2675	137.6	139.1	158.4	17.1	88.0	1.0
SO. CROSS 811			157.4	16.4	80.6	0.6
GARST SEED 8180			157.3	16.8	82.9	2.9
SEEDTEC ST-7680			156.7	15.7	90.3	2.0
BECK'S 64XA			156.6	14.6	94.0	0.5
AGRIPRO AP670		135.4	156.6	16.5	91.2	2.1
JACOBI 8901			156.4	17.3	85.6	1.1
ZIMMERMAN Z28	144.0	130.5	156.4	16.5	83.8	1.0
COLBERT 345	146.3	138.4	156.3	18.6	89.8	1.5
ADLERS 6100			156.1	16.4	92.6	0.5
JACOBI 8850			155.7	16.5	83.3	2.3
AGRATECH GK750		133.5	155.4	15.8	88.4	1.1
SO. STATES SS737	137.3	140.2	155.4	15.1	90.3	1.0
BECK'S 85XA	139.5	132.2	154.9	19.5	82.4	0.0
NORTHRUP-KING PX95	139.7	124.8	154.0	18.5	88.4	1.1
P.A.G. 7993			153.7	17.3	91.7	0.5
SUNBELT 1802			152.8	17.0	93.5	1.4
SUN PRAIRIE SP3300			151.8	16.4	95.8	1.5
CARGILL 967	140.6	136.7	151.3	15.5	93.5	1.5
SELECT SEED 5188-S		135.7	151.0	15.5	81.5	1.2
LEADER SX717	138.1	131.8	150.3	16.7	86.1	0.5
CARGILL 971	136.0	130.8	150.0	16.3	97.2	0.5
HYPERFORMER X956			149.3	17.2	77.3	3.0
GARST SEED 8344	139.7	131.8	147.7	16.3	94.0	0.5
PAYMASTER 7990	129.8	132.6	147.2	15.6	94.0	1.0
D&H SEEDS DH7144		136.1	147.1	16.0	91.2	1.6
D&H SEEDS DH9113	148.9	138.7	145.4	17.5	88.4	2.7
SO. STATES SS811	124.9	120.6	145.3	17.4	95.4	1.0
STEWART SEEDS SX69		130.3	143.1	16.0	86.6	0.5
AGRIPRO AP510			140.3	16.4	86.1	2.2
PRINCETON SX860	123.1	115.1	138.2	17.1	92.6	0.0
CROW'S 688	131.8	127.7	136.8	17.1	89.8	1.0
SO. CROSS 511		127.0	135.4	17.8	69.0	2.1
STEWART HYBRIDS S-7356			130.0	16.5	88.4	1.6
YELLOW AVERAGE	147.1	143.9	169.1	16.7	90.9	1.0
WHITE HYBRIDS						
JACQUES W-310			180.2	18.4	91.2	2.0
ASGROW/O'S GOLD RX956W			174.6	20.4	90.3	3.1
ZIMMERMAN Z14W	148.6	138.2	170.0	18.0	95.8	0.0
VINEYARD SEED MV-58W	148.0	154.4	167.7	17.9	95.8	1.0
ZIMMERMAN Z60W		130.6	166.6	17.4	91.7	1.5
AGRIGOLD A-6795W	149.3	135.7	165.3	19.2	95.8	1.0
PIONEER BRAND 3144W		141.8	157.1	16.4	88.9	1.1
VINEYARD SEED MV-68W	133.5	131.6	151.1	18.0	89.8	2.6
COKER 833W	116.0	112.0	141.1	18.4	93.5	0.0
WHITE AVERAGE	139.1	134.9	163.7	18.2	92.5	1.4
GRAND AVERAGE	146.3	143.1	168.7	16.8	91.0	1.1
LSD(0.10)			28.0	1.2	6.6	2.0
C.V.			12.3	5.5	5.4	138.3

TABLE 11.—NON-VIRUS LOCATIONS (continued)

VARIETY	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 1987	MOIST 1987	STAND 1987	LODGED 1987
YELLOW HYBRIDS				
SUPER CROST 5415	155.0	14.6	92.5	1.4
LYNKS LX4521	154.9	14.8	84.5	2.3
SUPER CROST 5460	154.8	15.8	91.2	0.8
P.A.G. 7993	154.3	15.2	90.1	1.6
SUN PRAIRIE SP3300	154.0	14.9	91.0	1.8
DEKALB-PFIZER DK711	153.9	16.0	84.5	1.9
NORTHROP-KING PX9540	153.8	14.5	90.4	2.0
CARGILL 973	153.5	15.4	91.5	2.7
SO. STATES SS810	153.0	14.5	90.1	2.0
SO. STATES SS728	152.9	15.0	90.8	1.9
LYNKS LX4533	152.8	14.8	85.0	1.7
SO. CROSS 811	152.2	14.6	73.0	3.3
AGRIPRO AP850	152.2	16.5	89.8	2.2
JACQUES 8350	152.2	15.9	86.8	3.8
BECK'S 85XA	152.2	16.8	81.6	3.7
P.A.G. SX352	152.1	14.6	90.1	2.8
NORTHROP-KING PX9584	152.1	14.8	91.6	1.4
AGRIGOLD XA-876	152.0	15.8	87.2	1.6
ADLERS 6100	151.7	14.7	92.6	2.1
GARST SEED 8388	151.7	15.0	90.2	1.3
D&H SEEDS DH7144	151.6	15.1	89.1	1.6
CARGILL 971	151.4	14.6	92.9	3.5
AGRIPRO AP510	151.4	14.7	89.5	2.0
JACOBI 8801	150.6	15.2	87.5	2.5
STEWART HYBRIDS S-7367	150.6	14.1	85.2	1.9
GARST SEED 8344	150.3	15.0	89.7	1.6
FUNK'S/EXCEL 6064E	150.3	14.7	89.4	1.4
CARGILL 980	150.0	16.1	91.4	2.3
LEADER SX717	149.9	15.5	81.0	3.0
AGRATECH GK750	149.8	15.1	91.3	1.3
COKER CX5053	149.7	15.7	88.3	2.3
BO-JAC 675	149.2	15.5	90.7	1.4
CROW'S 688	149.1	15.9	87.2	3.1
AGRIGOLD A-6615	148.9	15.4	91.8	1.2
STEWART HYBRIDS S-7356	148.5	14.9	85.2	2.8
ZIMMERMAN Z38	147.6	14.9	87.8	2.0
GOLDEN AC. T-E 6988	147.5	14.5	86.0	4.2
STEWART SEEDS SX69	147.4	14.7	85.1	3.0
CROW'S 488	147.0	13.9	86.0	1.9
SEEDTEC ST-7680	146.5	14.6	87.3	1.2
JACOBI 8901	146.3	15.2	87.6	2.9
JACOBI 8850	146.0	14.7	85.5	3.2
AGRATECH 888	145.7	15.0	83.3	1.0
CROW'S SL75	145.0	16.1	83.5	3.1
STEWART SEEDS SX87	144.4	15.8	80.3	1.9
SELECT SEED 5188-S	143.0	14.8	88.6	2.3
SO. STATES SS737	139.6	13.8	88.7	3.6
SO. CROSS 511	138.8	16.0	69.9	2.2
FR27 X LH38	138.0	13.9	85.5	2.1
PRINCETON SX860	136.5	15.5	90.1	1.7
HYPERFORMER X956	135.4	15.4	76.0	2.6
YELLOW AVERAGE	157.1	15.1	88.7	2.6
WHITE HYBRIDS				
PIONEER BRAND 3144W	166.9	15.7	83.2	2.2
ZIMMERMAN Z14W	163.2	17.0	85.7	3.5
JACQUES W-310	156.7	16.8	88.4	4.8
AGRIGOLD A-6795W	155.7	16.8	92.4	4.9
ZIMMERMAN Z60W	151.8	15.9	87.5	3.9
ASGROW/O'S GOLD RX956W	151.7	17.4	84.1	2.6
VINEYARD SEED MV-68W	146.9	16.5	89.7	3.1
VINEYARD SEED MV-58W	145.1	15.8	92.1	3.5
COKER 833W	141.6	16.3	87.3	1.7
WHITE AVERAGE	153.3	16.5	87.8	3.3
GRAND AVERAGE	156.8	15.2	88.6	2.6

TABLE 11.—ANNUAL SUMMARY, ALL NON-VIRUS LOCATIONS, 1987

VARIETY	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 1987	MOIST 1987	STAND 1987	LODGED 1987
YELLOW HYBRIDS				
PIONEER BRAND 3165	182.8	16.6	94.0	2.2
GOLDEN AC. T-E 6998	177.0	15.7	88.1	3.0
BO-JAC 6503	175.4	13.2	92.8	2.5
MCCURDY 7676	175.2	14.9	90.0	1.9
DEKALB-PFIZER DK689	174.7	14.7	86.2	1.5
AGRIGOLD A-6655	174.3	14.5	92.4	1.9
PFISTER HYBRIDS 4470	173.2	15.2	90.7	2.0
HYPERFORMER X9340	170.6	14.9	91.8	2.1
STEWART HYBRIDS S-6973	170.3	14.4	88.3	4.3
PRAIRIE STREAM SX702	169.9	14.0	89.6	5.8
PIONEER BRAND 3295	168.9	14.3	91.6	3.9
DENNIS DS642	168.7	14.8	89.3	2.8
COLBERT 345	168.5	16.6	88.9	3.8
MCCURDY 8150	167.7	16.5	91.0	2.1
AGRIPRO HP555	167.2	15.9	90.0	2.7
ZIMMERMAN Z27	166.8	14.5	88.0	2.7
PIONEER BRAND 3320	166.7	15.0	93.4	2.4
ADLERS 88X	166.5	15.9	90.0	3.5
ASGROW/O'S GOLD RX905	165.7	14.8	88.3	1.9
SELECT SEED 9131	165.3	14.8	88.2	2.5
FUNK'S G-4666	165.1	14.8	91.6	1.9
PAYMASTER 7989	165.0	14.1	92.2	5.0
FR27 X PA91	165.0	15.8	88.0	3.0
COKER CX5059	165.0	15.1	89.0	1.6
ASGROW/O'S GOLD 5509	164.8	16.1	89.8	2.9
ASGROW/O'S GOLD 2570	164.1	14.8	85.9	3.7
DEKALB-PFIZER DK656	164.1	14.6	90.8	2.1
SUN PRAIRIE SP240	163.3	14.8	91.4	4.6
ZIMMERMAN Z28	163.2	14.5	88.2	2.4
JACQUES 8700	162.9	16.0	89.5	2.6
BECK'S 64XA	162.4	12.8	90.0	1.3
NORTHROP-KING PX9646	161.8	15.9	91.7	3.8
FUNK'S RA1502	161.7	15.8	90.1	2.8
P.A.G. 9427	161.7	15.3	92.7	2.4
STAUFFER S7759	161.6	14.3	92.1	2.2
PAYMASTER 8990	161.1	17.3	91.0	2.4
DENNIS DS645	160.9	15.9	91.8	1.5
SUNBELT 1802	160.9	16.1	91.2	2.0
CARGILL 967	160.7	13.9	92.3	3.7
SUN PRAIRIE SP5850	160.5	15.3	92.6	3.1
GUTWEIN 2820	159.9	15.7	89.3	1.2
GOLDEN AC. T-E 6996	159.9	16.5	81.7	2.0
PAYMASTER 8951	159.8	16.6	92.0	3.0
COKER CX5067	159.7	14.8	81.4	3.2
FR27 X MO17	159.6	14.4	90.8	3.1
D&H SEEDS DH9113	159.1	15.5	85.0	2.6
FUNK'S G-4543	159.0	14.8	90.0	1.7
FUNK'S G-4635	158.7	15.0	89.3	3.1
SEEDTEC -2675	158.6	15.2	90.5	2.3
BO-JAC 674	158.5	15.1	94.0	2.4
SEEDTEC ST-7750	158.3	14.9	86.3	1.5
GARST SEED 8180	158.2	14.7	85.7	2.8
COLBERT 326	158.0	15.2	91.2	3.5
JACQUES 8210	158.0	15.3	89.2	2.3
PAYMASTER 7990	157.5	14.1	91.6	2.9
PFISTER HYBRIDS 4571	157.4	15.8	89.3	3.0
DEKALB-PFIZER DK748	157.1	16.0	87.1	2.9
D&H SEEDS DH7183	156.9	16.2	86.7	2.6
CARGILL 8717	156.9	14.8	93.0	3.0
SO. STATES SS811	156.8	15.0	90.3	3.2
NORTHROP-KING PX9581	156.5	16.1	88.0	4.2
AGRIPRO AP670	156.5	14.7	92.3	3.1
COLBERT 320	156.4	14.9	89.5	3.8
LYNKS LX4355	155.9	14.3	89.3	3.6
P.A.G. SX351	155.9	14.1	90.6	4.3
NORTHROP-KING PX95	155.9	16.0	87.4	4.8
AGRATECH GK900	155.6	15.9	90.2	4.1
STEWART HYBRIDS S-7355	155.4	14.4	89.0	1.7
BECK'S 89X	155.1	15.1	88.6	2.8
STAUFFER S7686	155.0	14.2	88.5	1.3

TABLE 12.—TWO-YEAR SUMMARY, NON-VIRUS LOCATIONS,  
1986-1987

VARIETY	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-87	MOIST 86-87	STAND 86-87	LODGED 86-87
YELLOW HYBRIDS				
PIONEER BRAND 3165	159.8	19.9	88.1	2.3
DEKALB-PFIZER DK689	155.4	17.2	84.6	3.2
MCCURDY 7676	153.6	17.2	86.2	3.6
PFISTER HYBRIDS 4470	152.0	17.3	86.9	5.0
GOLDEN AC. T-E 6998	151.3	18.6	84.6	4.5
DENNIS DS642	150.4	16.9	85.3	5.1
PIONEER BRAND 3320	150.1	17.6	88.2	4.0
PRAIRIE STREAM SX702	149.7	16.2	86.1	6.0
AGRIPRO HP555	149.4	17.8	86.4	5.5
DENNIS DS645	147.8	18.2	86.7	3.5
COLBERT 345	147.2	18.9	86.3	5.9
ZIMMERMAN Z27	147.2	17.3	84.6	4.2
STEWART HYBRIDS S-6973	146.6	17.2	84.3	6.7
DEKALB-PFIZER DK748	146.5	18.8	86.2	3.4
ASGROW/O'S GOLD 2570	146.2	16.9	83.0	5.9
ADLERS 88X	146.1	18.7	86.2	6.2
FR27 X PA91	145.9	18.9	83.0	5.2
D&H SEEDS DH7183	145.5	18.3	84.1	3.0
SELECT SEED 9131	145.3	17.2	84.5	5.6
DEKALB-PFIZER DK711	145.3	18.3	84.0	2.7
GOLDEN AC. T-E 6996	144.9	18.9	81.1	4.1
NORTHROP-KING PX9646	144.9	18.4	86.0	5.3
AGRATECH GK900	144.8	18.5	86.0	5.8
FUNK'S G-4635	144.8	17.4	85.6	3.7
FUNK'S RA1502	144.6	17.7	85.6	4.1
BO-JAC 674	144.4	17.4	89.4	3.5
SUN PRAIRIE SP240	144.4	17.0	86.8	5.5
PFISTER HYBRIDS 4571	144.3	18.3	85.6	4.6
PAYMASTER 7989	144.2	16.7	85.8	7.0
JACQUES 8700	144.2	18.5	84.6	4.1
P.A.G. SX351	143.7	17.1	86.3	6.9
PAYMASTER 8990	143.6	19.4	85.2	5.1
NORTHROP-KING PX9581	143.5	18.3	84.9	7.3
SEEDTEC 2675	143.1	17.8	86.0	3.9
CARGILL 967	142.5	16.6	87.3	7.3
STAUFFER S7759	142.4	16.6	87.7	5.0
COLBERT 320	142.2	17.3	85.5	4.4
GUTWEIN 2820	141.8	18.3	82.7	2.3
ZIMMERMAN Z28	141.7	17.2	84.2	4.5
COLBERT 326	141.7	17.5	83.8	7.3
SEEDTEC ST-7750	141.3	17.3	84.3	4.2
FR27 X M017	141.1	16.9	82.6	4.2
SUPER CROST 5460	141.0	17.4	86.9	2.4
PAYMASTER 7990	140.7	16.9	85.9	5.8
GARST SEED 8344	140.5	17.0	85.8	3.3
JACOBI 8801	140.5	17.8	84.6	3.7
GARST SEED 8388	139.0	17.1	86.6	3.0
AGRIPRO AP670	138.5	17.1	85.8	3.6

TABLE 12.—TWO-YEAR SUMMARY (continued)

VARIETY	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-87	MOIST 86-87	STAND 86-87	LODGED 86-87
<b>YELLOW HYBRIDS</b>				
D&H SEEDS DH9113	138.5	18.3	81.0	3.8
BECK'S 89X	138.5	17.6	85.4	4.0
SO. STATES SS728	138.4	17.2	86.3	3.9
LYNKS LX4355	138.4	17.0	84.5	5.4
LYNKS LX4533	138.2	17.1	83.2	4.5
P.A.G. SX352	138.1	16.8	85.6	4.5
CARGILL 971	137.8	17.4	87.0	4.0
LEADER SX717	137.7	18.1	80.6	3.9
CARGILL 980	137.3	18.7	86.9	4.7
JACQUES 8350	137.2	17.9	82.1	4.3
D&H SEEDS DH7144	137.1	17.5	83.5	3.1
BECK'S 85XA	136.6	19.1	78.5	6.1
AGRATECH GK750	136.4	17.1	85.6	1.9
CARGILL 973	136.4	18.0	87.0	4.7
SO. STATES SS811	135.9	17.7	84.7	4.5
NORTHRUP-KING PX95	135.6	18.9	83.6	8.1
SELECT SEED 5188-S	135.4	17.2	84.2	2.9
SO. CROSS 511	135.2	18.7	73.2	4.3
CROW'S 688	133.3	18.2	80.5	3.7
STEWART SEEDS SX87	133.2	18.1	77.2	3.0
STEWART SEEDS SX69	132.3	16.8	80.8	4.4
CROW'S 488	130.0	15.7	80.0	6.1
SO. STATES SS737	129.7	16.1	83.0	5.4
PRINCETON SX860	123.9	18.1	85.4	2.1
FR27 X LH38	123.1	16.0	80.1	3.6
<b>YELLOW AVERAGE</b>	<b>141.8</b>	<b>17.7</b>	<b>84.5</b>	<b>4.5</b>
<b>WHITE HYBRIDS</b>				
PIONEER BRAND 3144W	149.5	18.2	83.2	2.6
ZIMMERMAN Z14W	142.9	19.9	83.4	4.6
AGRIGOLD A-6795W	141.2	19.9	86.2	5.9
ZIMMERMAN Z60W	136.1	19.2	83.7	6.6
VINEYARD SEED MV-58W	131.2	18.1	86.1	3.8
VINEYARD SEED MV-68W	130.7	19.2	83.2	3.3
COKER 833W	122.1	19.7	83.5	3.5
<b>WHITE AVERAGE</b>	<b>136.2</b>	<b>19.2</b>	<b>84.2</b>	<b>4.3</b>
<b>GRAND AVERAGE</b>	<b>141.3</b>	<b>17.8</b>	<b>84.5</b>	<b>4.5</b>



**TABLE 13.—THREE-YEAR SUMMARY, NON-VIRUS LOCATIONS,  
1985-1987 (Calhoun, Russellville, Elizabethtown,  
Lexington and Quicksand)**

VARIETY	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 85-87	MOIST 85-87	STAND 85-87	LODGED 85-87
<b>YELLOW HYBRIDS</b>				
PIONEER BRAND 3165	155.9	20.2	88.3	3.0
GOLDEN AC. T-E 6998	151.3	19.1	84.1	4.1
MCCURDY 7676	150.8	17.5	86.0	4.2
PIONEER BRAND 3320	150.7	17.9	88.4	3.8
DEKALB-PFIZER DK689	149.7	17.8	85.0	3.9
DENNIS DS642	148.8	17.5	83.3	5.8
CARGILL 967	148.6	17.2	86.5	7.2
ADLERS 88X	148.5	19.0	83.5	7.1
ZIMMERMAN Z27	147.3	17.9	84.7	5.4
AGRIPRO HP555	146.4	18.2	85.6	6.3
ASGROW/O'S GOLD 2570	146.3	17.6	83.2	5.6
COLBERT 326	145.8	17.9	86.0	6.8
BECK'S 89X	145.6	18.2	85.7	2.9
GOLDEN AC. T-E 6996	145.5	19.4	81.6	4.2
ZIMMERMAN Z28	145.5	17.8	83.9	3.7
STEWART HYBRIDS S-6973	145.2	18.2	82.8	6.2
SEEDTEC ST-7750	144.8	17.8	83.3	3.2
COLBERT 345	144.7	19.5	86.4	7.2
DEKALB-PFIZER DK748	144.6	19.2	83.9	3.4
P.A.G. SX351	144.3	17.7	85.0	7.1
JACQUES 8700	144.0	19.0	84.6	4.4
BECK'S 85XA	143.8	19.3	77.4	5.8
STAUFFER S7759	143.7	17.3	85.9	5.7
D&H SEEDS DH7183	142.9	18.8	83.7	2.6
PAYMASTER 7990	142.8	17.6	84.6	4.5
FUNK'S RA1502	142.5	18.3	85.8	3.4
NORTHROP-KING PX95	142.5	19.7	85.0	8.1
BO-JAC 674	142.2	17.9	87.8	4.6
P.A.G. SX352	142.2	17.4	84.9	4.8
SELECT SEED 9131	141.8	17.8	84.5	4.1
NORTHROP-KING PX9581	141.7	18.7	85.4	5.8
AGRATECH GK900	141.7	19.0	84.3	6.2
SUPER CROST 5460	141.7	17.9	85.3	3.4
GARST SEED 8344	141.2	17.7	85.8	3.6
D&H SEEDS DH9113	140.9	19.0	82.9	4.5
CARGILL 980	140.0	19.2	85.8	5.0
GUTWEIN 2820	140.0	18.6	83.3	2.9
PAYMASTER 8990	139.8	19.8	84.3	5.7
SO. STATES SS728	139.6	17.6	84.7	2.6
CARGILL 971	139.0	18.0	88.0	5.0
JACQUES 8350	138.8	18.5	82.1	3.3
SEEDTEC 2675	138.6	18.3	85.7	3.4
SO. STATES SS811	134.6	18.2	83.9	5.6
LEADER SX717	134.4	18.6	81.2	4.5
CROW'S 688	133.5	18.7	82.6	4.5
SO. STATES SS737	131.6	16.8	83.8	5.8
PRINCETON SX860	127.6	18.8	84.8	1.9
<b>YELLOW AVERAGE</b>	<b>143.0</b>	<b>18.3</b>	<b>84.6</b>	<b>4.7</b>
<b>WHITE HYBRIDS</b>				
AGRIGOLD A-6795W	140.5	20.3	86.6	8.0
ZIMMERMAN Z14W	140.1	20.2	85.4	7.0
VINEYARD SEED MV-58W	129.9	18.8	85.4	6.1
VINEYARD SEED MV-68W	124.0	20.0	81.5	5.5
COKER 833W	120.9	20.6	82.7	4.3
<b>WHITE AVERAGE</b>	<b>131.1</b>	<b>20.0</b>	<b>84.3</b>	<b>6.2</b>
<b>GRAND AVERAGE</b>	<b>141.9</b>	<b>18.5</b>	<b>84.6</b>	<b>4.9</b>

TABLE 14.—CORN VIRUS TEST, HENDERSON

VARIETY	YIELD	YIELD	AVG %	AVG %	TOTAL %
	BU/AC 86-87	BU/AC 1987	MOIST 1987	STAND 1987	LODGED 1987
YELLOW HYBRIDS					
SO. STATES EX-16049		112.6	12.2	89.4	0.5
DEKALB-PFIZER DK789	132.7	111.6	11.8	87.0	1.2
AGRIGOLD XA-830	136.2	110.8	12.4	87.0	0.5
ZIMMERMAN Z35	135.8	110.2	11.9	86.1	3.2
LYNKS LX4521		105.2	12.9	87.0	3.2
JACOBI 8950	138.2	104.3	12.4	92.1	2.1
GARST SEED N4116		103.9	11.3	88.4	1.1
DEKALB-PFIZER DK689	129.7	103.6	11.9	87.0	0.0
MCCURDY 7700	140.2	102.7	11.2	77.3	1.1
GOLDEN AC. T-E 6997	127.1	102.6	11.6	81.0	4.3
SELECT SEED 9131	128.1	102.5	11.1	88.0	1.0
SEEDTEC ST-7750	134.7	101.7	11.0	92.1	2.4
SUPER CROST EXP 87121		101.2	12.2	85.2	2.1
SUNBELT 1860		100.3	12.9	87.0	11.2
SUPER CROST E119	128.5	100.2	11.2	88.4	2.1
DEKALB-PFIZER XL72B	128.5	99.4	11.0	83.8	2.5
BO-JAC 905	137.2	99.0	11.3	91.7	0.0
PIONEER BRAND 3147	115.5	98.5	11.3	80.6	11.8
PIONEER BRAND 3187	117.3	98.1	11.9	84.3	1.6
FUNK'S G-4666	129.7	96.8	11.3	90.7	2.1
AGRATECH 888	123.8	96.6	11.6	95.8	3.9
JACOBI 9250		93.3	11.8	83.3	3.3
JACOBI CX92	112.6	93.1	11.6	83.8	0.5
SO. STATES SS815	105.0	92.5	11.5	81.9	1.8
BECK'S 85MDM	109.3	91.2	12.1	83.8	2.2
JACQUES 8250	116.5	90.9	11.7	88.0	2.7
STAUFFER S8645	130.9	88.3	12.4	66.2	4.5
JACOBI 8850	127.1	87.8	11.4	86.6	4.6
STEWART SEEDS SX92M	121.2	86.3	11.7	65.3	0.6
BO-JAC XM832	111.3	85.0	12.1	88.9	1.6
PFISTER HYBRIDS 4444	116.6	84.1	12.1	84.7	0.6
MCCURDY 85-60	115.5	83.8	11.9	77.3	3.7
AGRATECH GK900		82.9	12.7	80.1	12.5
COKER 8696	107.5	82.8	12.6	94.4	2.4
ASGROW/O'S GOLD 3344		82.5	11.5	88.9	3.6
SO. STATES SS767	101.0	81.0	11.9	79.2	2.4
P.A.G. SX16A	111.4	79.1	11.2	85.6	4.4
FUNK'S G-4868	102.8	74.8	12.7	88.0	2.7
JACQUES EXP 7125V		73.6	12.1	94.9	3.9
PIONEER BRAND 3378	114.5	71.4	12.0	81.5	4.7
GARST SEED E4350		71.2	11.4	86.6	17.5
FUNK'S G-4734	109.5	70.7	12.8	77.3	9.4
AGRATECH GK875	100.2	70.6	12.0	81.0	4.6
SUPER CROST 5995		70.5	11.3	77.3	2.9
FUNK'S G-4743		68.8	12.8	92.1	4.7
PRAIRIE STREAM X2317	102.5	68.7	11.3	79.2	4.1
JACQUES JX227		65.8	10.8	92.6	1.0
HYPERFORMER X336		61.1	12.0	83.3	7.0
D&H SEEDS DH7150	98.9	57.5	11.4	88.4	11.4
CHECK HYBRID YELLOW	121.7	56.1	11.1	83.3	4.4
NORTHROP-KING PX95	105.7	49.7	11.5	90.3	6.5
CROW'S 675		41.8	14.0	75.0	0.8
YELLOW AVERAGE	119.6	86.9	11.8	85.0	3.7
WHITE HYBRIDS					
CHECK HYBRID WHITE	114.6	95.5	12.2	80.6	8.4
SO. STATES SS917W		89.7	12.5	85.6	6.7
ZIMMERMAN Z16W		87.2	12.4	84.7	18.3
PRINCETON SX906W	96.6	52.8	13.4	69.9	6.2
WHITE AVERAGE	105.6	81.3	12.6	80.2	9.9
GRAND AVERAGE	118.9	86.5	11.9	84.6	4.2
LSD(0.10)		23.8	1.0	11.2	6.5
C.V.		20.3	5.9	9.5	113.7

**TABLE 15.—CORN VIRUS TEST, FRANKFORT**

VARIETY	YIELD BU/AC 85-87	YIELD BU/AC 86-87	YIELD BU/AC 1987	AVG % MOIST 1987	AVG % STAND 1987	TOTAL % LODGED 1987	VIRUS RATING 1987
<b>YELLOW HYBRIDS</b>							
JACOBI 9250			64.9	22.7	74.5	15.2	1.0
PRAIRIE STREAM X2317	68.1	57.4	42.2	18.5	67.1	4.2	1.1
AGRATECH GK875	66.4	48.9	43.3	17.6	83.8	4.8	1.2
AGRIGOLD XA-830	73.5	55.6	59.9	18.3	79.2	1.9	1.2
BECK'S 85MDM	76.3	57.7	43.6	18.3	75.5	9.2	1.2
BO-JAC XM832		53.6	42.8	18.7	76.9	2.4	1.2
JACOBI CX92	69.4	47.6	45.2	18.0	86.1	3.3	1.2
GOLDEN AC. T-E 6997		63.1	57.3	17.2	75.9	3.1	1.4
JACOBI 8950		62.1	50.6	19.6	81.0	8.9	1.4
DEKALB-PFIZER DK689	82.9	64.7	45.8	18.5	81.5	4.6	1.5
DEKALB-PFIZER DK789	68.6	59.7	49.7	18.1	78.2	14.8	1.5
DEKALB-PFIZER XL72B	73.6	64.8	42.3	17.1	72.2	15.2	1.6
PIONEER BRAND 3147	71.1	62.5	51.7	18.7	63.9	12.7	1.6
JACQUES 8250	77.7	57.8	44.8	19.9	75.5	7.8	1.6
SUNBELT 1860			22.5	16.7	66.7	36.8	2.0
HYPERFORMER X336			28.2	18.1	71.8	17.5	2.1
SUPER CROST 5995			53.2	17.5	77.8	6.2	2.2
LYNKS LX4521			40.7	17.9	78.2	3.3	2.3
PIONEER BRAND 3187	78.8	67.5	55.5	20.6	63.4	34.9	2.3
SUPER CROST E119		50.8	35.0	20.3	74.1	5.7	2.3
SO. STATES EX-16049			32.5	18.8	68.1	27.4	2.5
COKER 8696	85.1	77.7	76.6	21.1	87.0	2.2	2.5
FUNK'S G-4743			28.3	17.6	70.4	18.1	2.8
SO. STATES SS767	69.3	56.1	35.6	20.4	63.0	38.3	2.8
P.A.G. SX16A	67.0	52.7	39.9	16.3	78.7	12.9	2.8
PFISTER HYBRIDS 4444		51.0	29.6	16.9	66.7	14.9	3.1
ASGROW/O'S GOLD 3344			26.2	15.9	69.0	8.7	3.4
FUNK'S G-4868		48.9	22.9	17.6	67.6	16.5	3.4
STEWART SEEDS SX92M		49.1	42.9	16.8	70.8	4.0	3.4
MCCURDY 85-60		55.3	40.2	17.9	69.4	15.6	3.5
SO. STATES SS815	69.0	52.0	31.2	19.7	67.1	17.2	3.5
JACQUES EXP 7125V			18.6	17.0	63.9	22.3	3.5
FUNK'S G-4734	70.7	53.0	31.9	20.2	66.7	9.8	3.8
ZIMMERMAN Z35		56.0	49.7	16.0	71.8	17.1	4.0
AGRATECH 888		40.5	22.5	17.0	72.2	21.9	4.0
GARST SEED N4116			22.1	18.4	63.9	21.8	4.0
AGRATECH GK900			20.1	16.7	50.0	39.2	4.3
FUNK'S G-4666		51.7	31.7	17.9	64.8	28.3	4.3
SUPER CROST EXP 87121			18.4	16.1	69.9	10.8	4.3
MCCURDY 7700	63.4	44.6	21.0	18.4	50.9	30.8	4.4
CROW'S 675			16.8	13.7	69.0	8.7	4.4
SEEDTEC ST-7750		45.8	19.4	19.0	60.6	32.2	4.6
JACQUES JX227			21.4	19.7	68.1	25.3	4.7
JACOBI 8850	62.3	39.0	26.5	17.2	70.4	15.8	4.7
SELECT SEED 9131	67.4	41.8	15.7	17.3	63.4	23.2	5.0
PIONEER BRAND 3378		49.5	35.7	17.0	73.6	23.9	5.0
BO-JAC 905		42.0	21.0	17.1	70.4	14.5	5.2
STAUFFER S8645		48.9	21.1	18.7	68.5	39.2	5.2
D&H SEEDS DH7150	56.4	33.6	18.3	18.5	60.2	34.3	5.4
NORTHROP-KING PX95	65.6	38.2	15.1	21.0	56.9	21.2	5.6
GARST SEED E4350			13.2	13.3	42.1	78.3	5.9
CHECK HYBRID YELLOW	32.9	24.1	12.7	19.2	49.5	58.4	6.6
<b>YELLOW AVERAGE</b>	<b>68.9</b>	<b>52.0</b>	<b>34.6</b>	<b>18.1</b>	<b>69.4</b>	<b>18.6</b>	<b>3.2</b>
<b>WHITE HYBRIDS</b>							
SO. STATES SS917W			32.5	19.3	74.1	24.7	2.3
ZIMMERMAN Z16W			20.2	19.4	57.9	65.0	4.5
PRINCETON SX906W		21.8	18.8	20.5	56.9	20.6	4.7
CHECK HYBRID WHITE	46.9	37.2	18.4	16.0	63.0	34.1	5.1
<b>WHITE AVERAGE</b>	<b>46.9</b>	<b>29.5</b>	<b>22.4</b>	<b>18.8</b>	<b>63.0</b>	<b>36.1</b>	<b>4.2</b>
<b>GRAND AVERAGE</b>	<b>67.9</b>	<b>50.9</b>	<b>33.7</b>	<b>18.1</b>	<b>68.9</b>	<b>19.8</b>	<b>3.2</b>
LSD(0.10)			17.7	4.1	12.3	18.3	1.6
C.V.			38.7	16.8	13.1	68.3	35.5

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