

OHIO AGRICULTURAL EXPERIMENT STATION
Lane Avenue Farm, Columbus, Ohio

Department of Horticulture Mimeograph Series No. 199
January 26, 1960

SWEET CORN VARIETY TRIALS - 1959
Columbus, Ohio

Walter N. Brown*

The 1959 trials consisted of two plantings: the first included twenty-eight varieties in the early, mid-early, and early midseason maturity range, planted on June 3; the second planting made on June 17, included 56 varieties in the early-mid-season, midseason and late maturity ranges with suitable maturity standards for comparisons. Each of the varieties were evaluated in single row plots replicated five times. Each plot consisted of twenty-one hills spaced eighteen inches in the row with thirty-six inches between rows. Four kernels per hill were planted by hand jabber. Stand counts were made at the two-three leaf stage to determine germination and later the seedlings were thinned to two plants per hill permitting a maximum stand of 19,360 plants per acre.

Rye cover crop was plowed down April 20 and 1000 lbs./A of 10-10-10 drilled and disced in on May 4. Simazine 50 W, 3 lbs/A was applied immediately after planting. One sidedressing of 100 lbs/A of ammonium nitrate was applied to each of the plantings when plants were 12-18 inches high. Overhead irrigation was applied as needed. Plants were not sprayed for control of flea beetle, corn borer, or corn earworm.

For the yield records only marketable size ears were included, however, some ears damaged by earworm were included, since it was assumed that insects could have been controlled by the use of suitable treatments.

The symbols and rating systems used are as follows:

Average Depth of Kernel: Average length of 3 kernels from center section of 3 ears selected at random from each plot.
Color of Kernel: LY = light yellow, MY = medium yellow, DY = dark yellow; B = bright, I = intermediate, D = dull.
Ease of Snapping: 1 - very difficult to 5 - easily snapped.
Shanks: 1 - long, over 6 inches to 5 - short 1 inch or less.
Flag Number: 1 - none to 5 - over eight.
Flag Length: 1 - less than 2 inches to 5 - over eight inches.
Tip Cover: 1 - exposed to 5 - long, extending 3 inches or more.
Silk Color: 1 - dark brown to 5 - clear or white.
Husk Color: 1 - light green and dull to 5 - dark glossy green.
Husk Tightness: 1 - loose to 5 - tight.
General Uniformity: 1 - poor to 5 - excellent.

SOURCES OF SEED

<u>Code</u>	<u>Source</u>
A ₂	Asgrow Seed Co., Inc., 272 George St., New Haven 2, Conn.
B ₁	W. Atlee Burpee & Co., Huntington Park at 18th St., Phila., Pa.
C ₁	Corneli Seed Co., 101 Chouteau Ave., St. Louis 2, Mo.
F ₁	Ferry-Morse Seed Co., P.O. Box 778, Detroit 31, Mich.
H ₁	Joseph Harris Co., Inc., Moreton Farm, Rochester 11, N.Y.
L ₂	Letherman Seed Co., 501 McKinley Ave., N.W., Canton 2, Ohio
M ₁	Michael-Leonard Co., 333-355 W 35th St., Chicago 16, Ill.
N ₁	Northrup-King & Co., 1500 Jackson St. N.E., Mineapolis, 13, Minn.
R ₁	Robson Quality Seeds, Inc., Hall, New York
R ₂	Roger Brothers Seed Co., P.O. Box 30, Idaho Falls, Idaho
W ₁	F.H. Woodruff & Sons (Now incorporated with Asgrow Seed Co.)

GENERAL COMMENTS

The results of the first planting are presented in Table 1, and those of the second planting in Table 2. Growing conditions during June, July and August were extremely dry with considerably above normal temperatures (28 days with maximum above 90° F.), resulting in acceleration of and the bunching of maturities. The departures from normal are given below:

	<u>Temperature</u>	<u>Precipitation</u>
June	+1.1	-2.70
July	+0.7	-0.43
August	+4.6	-2.07
Sept.	+2.9	-1.05

*Department of Horticulture, Ohio Agricultural Experiment Station, Columbus 10, Ohio.

TABLE 1
SWEET CORN VARIETY TRIALS - COLUMBUS, OHIO 1959

First Planting

Row Number	VARIETY and Lot Number		Source	Days to First Harvest	Marketable Yield/Acre		Average Weight of Ears Unhusked	Average Length of Ears Husked	Average Diameter of Ears Husked	Percentage of Ears Having Given Number of Rows of Kernels							Average Depth of Kernel	Color Kernel	Ear Smut	Ear Worm	Ease of Snapping (1-5)	Shanks (1-5)	Flag Number (1-5)	Flag Length (1-5)	Tip Cover (1-5)	Silk Color (1-5)	Husk Color (1-5)	Husk Tightness (1-5)	General Uniformity(1-5)	
					Dozens of Ears	Weight (Tons)				8	10	12	14	16	18	20														22
					Doz.	Tons				Lbs.	In.	In.	%	%	%	%														%
1	Sun Up	1829F	H ₁	61	1506	5.5	.60	6.0	1.70	-	5	80	15	-	-	-	-	7.7	DYB	-	6.7	3	4	3	3	3	1	3	3	3
2	North Star	1809F	H ₁	61	1544	5.8	.63	6.8	1.60	5	15	80	-	-	-	-	-	8.3	MYB	-	3.5	4	4	3	3	3	4	3	3	3
3	Gold Crest	28430	F ₁	61	1560	4.9	.53	7.7	1.50	-	10	85	5	-	-	-	-	7.7	LYI	-	3.5	3	4	3	3	3	4	3	3	4
4	Golden Beauty	1832T	H ₁	61	1460	5.0	.57	7.6	1.60	-	-	70	30	-	-	-	-	7.3	MYB	-	3.2	3	4	3	3	3	4	3	4	4
5	Seneca Beauty	1159LF	R ₁	63	1544	5.6	.60	8.3	1.55	-	5	55	40	-	-	-	-	8.8	MYB	-	5.5	3	4	3	3	3	4	3	4	4
6	New Earligold	1-185	L ₂	63	1452	5.1	.58		1.55	-	10	85	5	-	-	-	-	8.5	DYB	0.5	7.9	3	4	3	3	3	4	3	4	2
12	Seneca Sunbeam (F-15)	1019F	R ₁	63	1636	6.7	.68	7.8	1.65	-	-	40	30	25	5	-	-	8.0	MYB	1.4	0.9	3	3	3	3	4	4	3	3	4
19	Morning Sun	1-13585	L ₂	63	1583	5.4	.57	7.9	1.65	-	-	50	35	15	-	-	-	8.0	MYB	-	9.7	2	3	3	4	3	2	4	3	4
13	Hybrid 101	86054	F ₁	65	1590	4.8	.50	8.1	1.55	-	5	80	15	-	-	-	-	8.0	DYB	-	7.7	4	4	3	3	2	2	2	4	4
17	Golden Hybrid G101	ST 88038	R ₂	65	1828	6.5	.59	8.3	1.60	-	-	100	-	-	-	-	-	8.0	DYB	-	5.0	4	4	3	3	3	3	3	3	4
10	Carmelcross	1823F	H ₁	65	1575	6.8	.72	8.7	1.65	-	-	75	15	10	-	-	-	8.0	DYB	-	2.4	4	3	3	4	3	2	3	4	4
11	Northern Belle	1826VLF	H ₁	65	1790	6.6	.62	8.4	1.60	-	-	5	65	25	5	-	-	7.3	LYI	-	3.9	3	4	3	3	3	3	2	3	4
23	Garden Gold	28983	F ₁	65	1675	5.9	.59	7.9	1.55	-	-	90	5	5	-	-	-	7.3	MYB	-	4.6	4	4	3	3	3	3	2	4	5
24	Golden Emblem	21182	F ₁	68	1821	5.9	.54	8.1	1.55	-	10	75	15	-	-	-	-	7.5	MYB	-	5.9	4	4	3	3	3	3	3	4	3
7	Northwest	20058	M ₁	68	1752	5.7	.54	8.5	1.50	-	5	60	30	5	-	-	-	8.7	DYB	-	12.7	3	4	3	3	3	2	2	3	3
18	Hybrid 103	26169	F ₁	68	1598	7.3	.76	8.7	1.25	-	-	15	55	30	-	-	-	8.0	DYB	-	7.3	4	4	4	4	2	4	3	3	4

LSD @ 5% Level

179 0.5

Table 1 (Con't)

SWEET CORN VARIETY TRIALS - COLUMBUS, OHIO 1959

First Planting

Row No.	VARIETY and Lot Number	Source	Days to First Harvest	Marketable Yield/Acre		Average Weight of Ears Unhusked	Average Length of Ears Husked	Average Diameter of Ears Husked	Percentage of Ears Having Given Number of Rows of Kernels								Average Depth of Kernel	Color Kernel	Ear Smut	Ear Worm	Ease of Snapping (1-5)	Shanks (1-5)	Flag Number (1-5)	Flag Length (1-5)	Tip Cover (1-5)	Silk Color (1-5)	Husk Color (1-5)	Husk Tightness (1-5)	General Uniformity (1-5)		
				Dozens of Ears	Weight (Tons)				8	10	12	14	16	18	20	22															
				Doz.	Tons				%	%	%	%	%	%	%	%														mm	%
20	Sugar King	1-13585	L2	68	1667	7.2	.72	8.7	1.65	-	-	20	40	40	-	-	-	9.3	DYB	-	12.0	4	2	4	4	3	3	4	4	4	5
25	Treasure Gold	23451	F1	70	1706	7.5	.73	8.7	1.70	-	-	50	25	25	-	-	-	9.3	LYB	-	7.7	3	4	3	3	2	3	3	4	4	
9	Aurora	20018	M1	70	1590	5.1	.53	8.0	1.50	-	10	60	15	15	-	-	-	8.3	DYI	-	14.0	3	4	3	4	2	4	2	4	3	
21	Asgrow Golden 22	53492-222	A2	70	1575	7.3	.77	8.1	1.65	-	-	50	30	20	-	-	-	9.0	DYB	-	8.3	3	3	3	3	2	4	3	2	4	
26	F-M Cross	28421	F1	70	1598	6.6	.69	8.4	1.65	-	-	20	35	40	5	-	-	9.0	MYB	-	12.6	3	4	3	4	3	4	3	4	4	
8	Yukon	20328	M1	70	1844	5.6	.51	8.0	1.50	-	5	50	35	10	-	-	-	9.3	MYB	-	9.6	3	4	3	4	2	4	3	4	3	
14	Foremost Y-2	23488	F1	72	1813	7.7	.71	8.7	1.60	-	-	10	75	15	-	-	-	8.3	MYB	-	17.4	2	4	3	4	2	4	2	3	4	
15	Earlichief	20118	M1	72	1644	6.2	.63	7.8	1.65	-	-	55	45	-	-	-	-	9.0	DYB	-	13.6	4	4	3	4	2	3	2	3	3	
16	Early Fine	20098	M1	72	1590	5.0	.52	8.4	1.35	-	5	55	25	15	-	-	-	7.0	MYI	-	15.0	4	4	3	4	2	4	3	4	4	
27	Evertender C	32683	M1	75	1759	8.0	.76	8.6	1.80	-	-	10	25	45	20	-	-	10.0	MYB	-	6.1	4	2	4	4	4	4	4	3	4	
28	Deligold	30681	M1	78	1721	6.6	.64	8.4	1.65	-	-	5	45	45	5	-	-	8.3	DYB	1.0	32.6	3	4	4	5	2	4	3	4	4	
22	Asgrow Golden 25	43490	A2	78	1352	4.9	.61	9.8	1.60	-	-	50	40	10	-	-	-	9.5	DYB	-	14.2	4	4	3	4	2	4	3	3	4	

TABLE 2
SWEET CORN VARIETY TRIALS - Columbus, Ohio, 1959 Second Planting

Row No.	VARIETY AND LOT NUMBER		Source	Days to First Harvest	Marketable Yield/Acre		Average Weight of Ears Unhusked	Average Length of Ears Husked	Average Diameter of Ears Husked	Percentage of Ears Having Given Number of Rows of Kernels								Average Depth of Kernel	Color Kernel	Ear Smut	Ear Worm	Ease of Snapping (1-5)	Shanks (1-5)	Flag Number (1-5)	Flag Length (1-5)	Tip Cover (1-5)	Silk Color (1-5)	Husk Color (1-5)	Husk Tightness (1-5)	General Uniformity (1-5)
					Dozens of Ears	Weight (Tons)				8	10	12	14	16	18	20	22													
					Doz.	Tons				Lbs.	In.	In.	%	%	%	%	%													
29	Barbecue	1818T	41	68	1375	3.6	.44	8.4	1.55	-	5	80	15	-	-	-	9.0	DYD	-	16.2	4	3	2	3	3	4	3	4	3	
34	Asgrow Golden 22	-	62	68	1460	5.9	.67	7.3	1.65	-	-	60	25	15	-	-	8.3	MYB	-	17.9	4	3	3	3	3	4	3	2	3	
37	Mello-Gold WS	ST 88039	R2	68	1352	5.2	.64	8.2	1.55	-	-	60	35	5	-	-	8.0	MYB	-	24.4	3	3	2	2	3	4	1	3	1	
43	Hybrid 103	26169	F1	68	1537	6.2	.68	7.5	1.65	-	5	10	50	20	15	-	8.3	MYB	-	25.5	5	4	3	2	3	4	2	2	4	
58	Hybrid 817	28980	F1	68	1560	6.2	.67	7.2	1.55	-	-	75	25	-	-	-	8.0	DYB	-	34.0	3	3	4	3	4	2	3	3	4	
30	Gold Cup	1812T	H1	70	1583	5.7	.60	7.5	1.55	-	-	20	65	15	-	-	8.7	DYB	-	21.0	3	4	3	2	3	2	3	4	4	
46	Tendermost Reg.	33984	M1	70	1506	5.9	.65	7.4	1.65	-	-	-	10	25	45	20	-	7.5	DYB	-	22.4	2	3	3	2	2	3	2	2	2
66	Superchief	-	C1	70	1537	5.4	.59	7.5	1.50	-	-	10	30	55	5	-	8.7	DYB	-	33.0	2	3	2	3	3	2	2	3	3	
35	Asgrow Golden 25	1-185	L2	71	1560	5.6	.60	8.0	1.60	-	-	30	55	15	-	-	8.0	DYB	-	26.1	3	3	3	3	3	2	4	4	4	
31	Wonderful	1824MF	H1	71	1606	5.3	.55	8.6	1.45	-	-	55	25	15	5	-	7.7	MYD	-	23.4	3	3	3	3	3	4	2	4	3	
32	Seneca Chief	1339L	R1	71	1352	4.1	.50	8.2	1.45	-	-	35	50	10	5	-	8.3	MYB	-	27.8	3	2	3	4	3	2	2	4	3	
36	Hybrid 2378	ST. 88044	R2	71	1391	4.7	.56	7.8	1.55	-	-	-	5	60	30	5	-	8.0	MYB	-	21.5	3	3	2	2	3	2	2	3	2
40	Hybrid 107	28970	F1	71	1414	4.6	.54	8.1	1.45	-	-	25	30	45	-	-	8.0	LYB	-	35.3	5	3	3	4	2	5	4	3	5	
41	Hybrid 102	86055	F1	71	1460	6.6	.75	7.6	1.85	-	-	-	5	30	40	25	-	10.5	DYB	-	32.1	4	2	3	4	2	3	3	2	4
42	Hybrid 102A	28415	F1	71	1567	7.8	.83	8.3	1.95	-	-	-	-	15	60	20	5	11.3	DYB	-	27.0	3	2	3	3	4	5	4	3	5
49	Tendermost 22	20828	M1	71	1030	3.1	.50	7.3	1.45	-	-	-	5	10	55	30	-	8.3	MYB	-	21.6	3	3	3	2	2	3	3	3	2

LSD @ 5% LEVEL

237 1.2

Table 2 (cont'd)
SWEET CORN VARIETY TRIALS - Columbus, Ohio 1959 SECOND PLANTING

Row Number	VARIETY and LOT Number		Source	Days to First Harvest	Marketable Yield/Acre		Average Weight of Ears Unhusked	Average Length of Ears Husked	Average Diameter of Ears Husked	Percentage of Ears Having Given Number of Rows of Kernels								Average Depth of Kernel	Color Kernel	Ear Smut	Ear Worm	Ease of Snapping (1-5)	Shanks (1-5)	Flag Number (1-5)	Flag Length (1-5)	Tip Cover (1-5)	Silk Color (1-5)	Husk Color (1-5)	Husk Tightness (1-5)	General Uniformity(1-5)
					Dozens of Ears	Weight (Tons)				8	10	12	14	16	18	20	22													
					Doz.	Tons				%	%	%	%	%	%	%	%													
59	Golden Zenith	20038	M ₁	71	1805	6.1	.56	7.3	1.65	-	-	10	20	55	5	10	-	8.7	DYB	-	41.3	3	4	3	3	3	4	3	4	2
63	Golden Cross Bantam	1820F	H ₁	71	1575	5.4	.57	8.0	1.50	-	-	25	75	-	-	-	-	7.5	DYB	-	30.7	3	3	3	3	2	4	3	3	4
68	Dominator (Hyb. 1962)	ST. 88045	R ₂	71	1659	6.1	.61	8.9	1.55	-	-	65	25	10	-	-	-	7.5	MYB	-	38.9	3	4	3	2	3	3	3	4	5
69	Golden Hybrid R-8	ST 88023	R ₂	71	1659	5.9	.59	8.0	1.50	-	-	55	40	5	-	-	-	8.3	DYB	-	35.2	3	3	4	4	2	4	3	3	4
70	Seneca Warpath	1476LF	R ₁	71	1437	4.9	.57	7.8	1.55	-	-	25	40	35	-	-	-	9.0	DYB	-	24.6	2	3	3	4	4	4	3	3	2
72	NK. 81	1987F19	N ₁	71	1268	4.4	.58	7.8	1.55	-	-	5	10	65	15	5	-	9.0	-	-	26.7	3	4	3	3	2	4	3	4	3
73	N.K. 85	1982F20	N ₁	72	1383	4.8	.58	7.3	1.45	-	-	-	10	40	50	-	-	7.0	MYB	-	20.0	3	3	4	5	2	5	3	3	4
38	Hybrid 105	89794	F ₁	72	1529	5.0	.55	8.1	1.45	-	-	30	50	20	-	-	-	7.0	DYB	-	29.6	3	1	4	4	4	4	3	4	4
39	Hybrid 106 (Poor Stand)	28975	F ₁	72	476	1.8	.62	8.9	1.60	-	-	5	10	70	15	-	-	9.0	DYB	-	40.3	4	2	4	4	2	4	4	3	4
47	Tendermost W.S.	20198	M ₁	72	1252	4.0	.53	8.1	1.50	-	-	-	35	50	15	-	-	9.3	DYB	-	36.2	4	3	3	2	1	5	4	3	4
51	Sugarcross	20108	M ₁	72	1360	4.2	.51	8.0	1.45	5	20	60	10	5	-	-	-	8.7	MYB	-	31.6	4	3	3	4	3	3	2	3	2
52	Finegold	20738	M ₁	72	1421	5.0	.59	7.5	1.65	-	-	-	-	15	45	35	5	9.0	DYB	-	36.2	4	4	2	2	2	4	3	4	4
53	Long Chief	20378	M ₁	72	1160	5.1	.73	8.1	1.60	-	-	-	5	10	70	15	-	7.5	MYB	-	20.0	2	3	3	3	4	4	2	3	5
54	Tenderchief W.S.	20718	M ₁	72	1437	4.2	.48	7.1	1.45	-	-	10	20	65	5	-	-	9.0	-	-	34.2	5	2	4	4	3	5	4	3	4
64	Iochief	1822LF	H ₁	72	1490	5.8	.65	8.4	1.60	-	-	-	-	55	40	5	-	8.7	DYB	-	34.0	2	3	3	4	2	3	3	3	4
71	Seneca Wampum	1068LF	R ₁	72	1636	6.1	.63	7.8	1.60	-	-	5	55	40	-	-	-	7.7	DYB	-	27.2	3	3	4	4	4	3	3	4	3

LSD @ 5%

237 1.2

TABLE 2 (cont'd)
SWEET CORN VARIETY TRIALS - COLUMBUS, OHIO 1959 Second Planting

Row Number	VARIETY and LOT NUMBER		Source	Days to First Harvest	Marketable Yield/Acre		Average Weight of Ears Unhusked	Average Length of Ears Husked	Average Diameter of Ears Husked	Percentage of Ears Having Given Number of Rows of Kernels								Average Depth of Kernel	Color Kernel	Ear Smut	Ear Worm	Ease of Snapping (1-5)		Shanks (1-5)	Flag Number (1-5)	Flag Length (1-5)	Tip Cover (1-5)	Silk Color (1-5)	Husk Color (1-5)	Husk Tightness (1-5)	General Uniformity(1-5)	
					Dozens of Ears	Weight(Tons)				8	10	12	14	16	18	20	22					Ease of Snapping (1-5)	Shanks (1-5)									
					Doz.	Tons				Lbs.	In.	In.	%	%	%	%	%					%	%									mm
76	Asgrow Golden 60	1-185	L ₂	72	1467	5.8	.66	8.4	1.60	-	-	15	35	45	5	-	-	8.0	DYB	-	29.8	3	3	3	3	3	3	3	3	3	2	4
33	Seneca Chief W.S.	1329 L	R ₁	75	1168	4.5	.64	7.4	1.40	-	15	65	20	-	-	-	-	9.0	MYB	-	31.6	4	2	3	3	3	3	4	2	4	3	
44	Golden Sensation	35782	M ₁	75	1421	5.8	.68	8.5	1.70	-	-	10	40	40	10	-	-	9.5	DYB	-	16.8	5	3	3	3	4	4	2	4	4	5	
45	Floriglade	20638	M ₁	75	1398	5.3	.63	8.2	1.55	-	-	5	20	45	25	5	-	7.7	MYB	-	30.8	4	3	3	4	4	4	4	4	4	4	
48	Tendermost H	30572	M ₁	75	1275	5.5	.72	8.6	1.55	-	-	-	10	50	25	15	-	9.0	MYB	-	34.9	4	3	2	3	2	2	2	3	4		
50	Tenderfreezer	20858	M ₁	75	1529	5.2	.57	7.7	1.60	-	-	5	35	55	5	-	-	10.3	MYB	-	34.7	3	2	4	4	4	2	4	3	4	4	
55	Staygold	20328	M ₁	75	1736	7.3	.70	8.6	1.60	-	-	-	15	50	35	-	-	7.7	MYB	-	19.0	4	2	3	3	4	3	3	4	4		
56	Valley-Gold	20218	M ₁	75	2044	7.8	.64	8.7	1.40	-	-	-	65	20	15	-	-	7.7	LYI	.5	31.6	3	2	4	4	3	2	3	4	4		
62	Tendermost C	20548	M ₁	75	1537	5.9	.64	8.0	1.80	-	-	10	30	45	15	-	-	11.0	DYB	-	33.5	3	3	3	4	3	4	3	3	4		
67	Sweetangold	-	C ₁	75	1583	7.1	.75	8.5	1.75	-	-	-	-	45	35	20	-	9.3	MYB	-	24.8	4	4	3	3	2	3	3	2	4		
74	N.K. 85A	1984F20	N ₁	75	1421	5.4	.64	7.8	1.70	-	-	-	5	35	45	15	-	9.8	MYB	-	33.5	3	3	4	4	2	5	3	2	4		
80	Victory Chief	L19250D	W ₁	75	1621	6.2	.63	7.3	1.60	-	-	5	55	40	-	-	-	8.5	DYB	-	30.8	3	3	4	4	4	4	3	4	4		
82	Surecross	5143	B ₁	75	1225	5.2	.65	7.1	1.60	-	-	25	70	5	-	-	-	8.0	DYI	-	51.3	4	3	4	4	3	4	2	2	3		
57	Florigold	88046	F ₁	76	1537	5.3	.57	8.3	1.60	-	-	40	50	10	-	-	-	-	EYB	-	46.5	4	3	3	3	2	4	2	4	3		
60	Golden Market	20208	M ₁	76	1905	8.0	.70	8.5	1.40	-	-	15	50	35	-	-	-	8.7	DYB	-	41.5	3	3	3	4	2	2	4	4	4		
61	Eat More	20858	M ₁	76	1590	5.4	.57	7.7	1.70	-	-	10	25	50	15	-	-	10.7	DYB	-	36.7	2	2	4	4	3	3	4	3	3		

TABLE 2 Con't.

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SWEET CORN VARIETY TRIALS - Columbus, Ohio, 1959

Second Planting

Row Number	VARIETY and Lot Number		Source	Days to First Harvest	Marketable Yield/Acre		Average Weight of Ears Unhusked	Average Length of Ears Husked	Average Diameter of Ears Husked	Percentage of Ears Having Given Number of Rows of Kernels								Average Depth of Kernel	Color Kernel	Ear Smut	Ear Worm	Ease of Snapping (1-5)	Shanks (1-5)	Flag Number (1-5)	Flag Length (1-5)	Tip Cover (1-5)	Silk Color (1-5)	Husk Color (1-5)	Husk Tightness (1-5)	General Uniformity(1-5)	
					Dozens of Ears	Weight (Tons)				8	10	12	14	16	18	20	22														
					Doz.	Tons				%	%	%	%	%	%	%	%														mm
65	Surecrop	1811T	H ₁	76	1621	6.5	.66	7.4	1.55	-	-	5	5	65	25	-	-	8.5	DYB	-	22.7	4	3	4	4	4	4	5	3	2	4
75	N.K. 87	1994F20	N ₁	76	1567	7.2	.77	8.3	1.80	-	-	-	-	5	30	55	10	9.8	DYB	-	30.4	3	2	3	4	4	5	3	3	4	
77	Golden Security	1-185	L ₂	76	1928	7.2	.63	8.0	1.60	-	-	5	20	40	35	-	-	9.0	DYB	-	27.1	4	3	4	4	4	3	4	4	4	
78	Deep Gold	50831-R	W ₁	76	1529	6.2	.68	8.2	1.75	-	-	-	-	25	40	35	-	10.7	MYB	-	35.2	3	4	3	2	3	4	2	3	4	
79	Victory Golden	45992-F	W ₁	76	1383	6.0	.73	7.6	1.80	-	-	15	25	45	15	-	-	8.0	MYB	-	20.6	3	3	4	5	4	4	3	3	4	
81	Honeycross	6263	B ₁	76	1598	6.5	.68	9.5	1.65	-	5	65	30	-	-	-	-	10.0	MYB	-	41.8	3	3	3	3	2	4	3	4	4	
83	Aristogold Bantam Evergreen	35476	M ₁	76	1659	6.6	.66	8.3	1.65	-	-	-	10	70	15	5	-	8.0	MYB	-	31.5	3	5	3	3	5	1	3	4	4	
84	Golden Regent	30871	M ₁	76	1283	6.7	.87	7.7	1.90	-	-	-	-	-	10	40	50	9.8	DYB	-	20.4	1	2	2	2	3	4	2	2	2	

LSD @ 5% Level

237 1.2