Horticulture Series No. 514

305: 9

New OARDC

O. A. R. D. C.

1981

EVALUATION OF

FEB 1 4 1983

SWEET CORN CULTIVARS

COLUMBUS AND FREMONT, OHIO

William M. Brooks, J.M. Pisarczyk, James D. Utzinger S.F. Gorske, Gerald G. Myers and Charles C. Willer

5865

Department of Horticulture Ohio Agricultural Research and Development Center U.S. 250 and Ohio 83 South Wooster, Ohio



0 608

0.0.8.0.0

学的人名英国马

r

•

EVALUATION OF SWEET CORN CULTIVARS - 1981 Columbus and Fremont

William M. Brooks¹, J.M. Pisarczyk², James D. Utzinger¹, S.F. Gorske¹, Gerald G. Myers¹ and Charles C. Willer³

The 1981 Sweet Corn Cultivar Trials at Fremont consisted of twenty-eight cultivars which were replicated four times.

Corn was seeded on May 13 at Fremont in rows 36" apart with hills spaced 18" apart in the row. Single row plots of 21 hills were 31.5' long. Blocks and tiers of plots were separated by a distance of at least six feet. Guard rows were planted to the north and south sides of rows running east and west at Fremont. All plots were planted by hand jabbers with 4 kernels per hill. Plants were thinned to 2 plants per hill at the 2 to 3 leaf stage.

Prior to planting at Fremont, 15-15-15 fertilizer was broadcast at the rate of 1000 pounds per acre. One hundred fifty pounds of 6-24-12 fertilizer was placed in bands at planting. The corn was sidedressed with ammonium nitrate at a rate of 50 lbs. N/acre on June 18. Three quarts of Lasso per acre was used for weed control. Insecticides and fungicides were applied on a regular spray schedule.

The first harvest was made at Fremont on July 20 and the last harvest was made on August 14. Buttervee was the only cultivar harvested on July 20. The highest yielding cultivars for each color type as dozens of marketable ears per acre were: 1) yellow: Seneca Sentry-1875, Jubilee-1855, Merit-1804; 2) bi-color: Sweet Sal-1824, Symphony-1431, Calico King-1270, Sugar Dot-1240; and 3) white: NCX 2021-2399, Silver Queen-1895, Crystal Delight-1492. The earliest maturity cultivar in each color was: Yellow: Buttervee; Bi-color: Sugar Dot; and White: Earliqueen (See Table 1).

Listed below are the seed companies who generously supply the seed for these trials without charge:

Code used in tables	Company and Location
1	Stokes Seed, Inc., Box 548, Buffalo, NY 14240
2	Seedway, Inc., Hall, NY 14463
3	Robson Seed Farms, Co., Hall, NY 14463
4	Joseph Harris Co., Rochester, NY 14624
5	Asgrow Seed Co., Kalamazoo, MI 49001
6	Rogers Bros. Co., Idaho Falls, ID 83401
7	FMC Niagara Corp., El Macero, CA 95618
8	Ferry-Morse Seed Co., Mountain View, CA 94042
9	Sun Seeds, Bloomington, MN 55420

1) Mailing address: Department of Horticulture, The Ohio State University, 2001 Fyffe Ct., Columbus, OH 43210.

2) Mailing address: Department of Horticulture, OARDC, Wooster, OH 44691.

3) Manager, Vegetable Crops Branch, Fremont, OH.

All publications of the Ohio Agricultural Research and Development Center are available to all on a nondiscriminatory basis without regard to race, color, national origin, sex, or religious affiliation.

******		Davia ta	Manleada		1 1 / A	Avg.Wt.	Avg.	Avg.	Π		D:1	
		Days to first	Marketa dozens	wt.	per-	_mkt.ears unhusked	lgth.ears husked	husked	Ear worms	Smut	Bird damage	
Variety and Source	()*	harvest		(tons)	cent	(1bs.)	(in.)	(in.)	worms	sinut %	uamage %	Color
				(00110)		(1031)	(1110)	(1)	·····			
Buttervee	(1)	69	1159	3.6	86	.52	7.4	1.6	1	-	- .	Y
Seneca Horizon	(3)	73	1179	4.7	85	.66	6.9	1.8	1 ·	-	-	Y
Aztec	(5)	76	1391	5.0	95	.60	7.2	1.7	1	-	-	Y
Spring Gold	(4)	76	1341	4.2	88	.52	6.8	1.6	-	1	1	Y
Goldenvee	(1)	79	806	2.6	84	.53	7.8	1.7	-		-	Y
Sugar Dot	(8)	82	1240	4.4	86	.59	7.9	1.7	-	-	1	Bi
Tablevee	(1)	83	1411	4.9	87	.58	7.5	1.6	-	-	-	Y
Wondersweet	(4)	83	968	3.7	77	.64	8.5	1.7	-	-	4	Y
Burgandy Delight	(2)	83	1119	3.4	74	.51	8.4	1.5	· _	-	1	Bi
Candy Bar	(8)	83	544	2.3	78	.71	7.2	1.8	-	1	-	Y
Gold Winner	(4)	85	1643	6.0	96	.61	7.6	1.7	-	-	1	Y
Honeycomb	(9)	85	1421	5.8	92	.68	8.7	1.6	-	-	-	Y
Earliqueen	(6)	85	1210	4.0	82	.55	7.1	1.8	-	-	2	W
NCX 2021	(7)	86	2399	8.3	88	.57	7.7	1.7	-	-	-	W
Jubilee	(6)	86	1855	7.2	94	.65	8.8	1.7	-	-	-	Y
Merit	(5)	87	1804	7.1	89	.65	8.3	1.8	-	-	-	Y
Sugar Loaf	(9)	87	1532	5.7	87	.62	8.0	1.7	-	-	-	Y
Sweet Sal	(4)	90	1824	7.3	96	.67	7.7	1.8	-	-		Bi
Atlantic	(7)	90	1714	7.2	86	.69	7.7	1.9	-	-	1	Y
Crystal Delight	(2)	90	1492	6.1	83	.68	7.9	1.8	-	-	1	W
Seneca Scout	(3)	90	1643	6.0	89	.60	7.7	1.9	-	-	1	Y
Sugar Time	(9)	90	1482	5.2	90	.58	7.7	1.7	-	-	3	Y
Symphony	(4)	91	1431	5.6	84	.63	7.3	1.8	-	-	-	Bi
Silver Queen	(6)	92	1895	7.9	91	.69	8.2	1.7	-	-	-	W
Flavorvee	(1)	92	1431	6.4	93	.74	8.2	1.7	-	-	-	Y
Silver Chief	(5)	93	1371	6.3	92	.77	9.3	1.7	-	-	-	W
Calico King	(5)	94	1270	7.5	98	.98	8.6	1.9	-	-	-	Bi
Seneca Sentry	(3)	94	1875	7.1	95	.63	7.9	1.7	1	-	-	Υ.

TABLE 1. Replicated Trial: Yield and Other Characteristics of Sweet Corn Cultivars - Fremont - 1981.

* Cultivars ranked according to days to first harvest (lowest first) and dozens of marketable ears per acre (highest yield) based on ears listed first within maturity. () numbers within bracket refer to seed company supplying seed.

1981 Evaluation of Sweet Corn Cultivars - Columbus

The 1981 sweet corn cultivar trials at The Ohio State University Horticultural Farm, 1000 West Lane Avenue, Columbus, consisted of twenty-eight cultivars which were replicated four times and seventy-seven cultivars in non-replicated, single plots.

Corn was seeded on May 20, 1981, in 36" rows with hills spaced 18" apart. Single row plots of 21 hills were 31.5' long. Blocks and tiers of plots were separated by a distance of six feet. Guard rows were planted to the east and west sides of rows running north and south with guard hills across the north and south ends of the entire planting. In addition to the other guard rows, 4 rows of an early maturing and a late maturing cultivar were planted on both the east and west sides of the entire planting of plots to enhance pollination. All plots were planted by hand jabber with 4 kernels per hill. Plants were thinned to 2 plants per hill at the 2 to 3 leaf stage.

Prior to plowing, 15-15-15 fertilizer was applied broadcast at the rate of 1000 pounds per acre. There was also 250 pounds 6-24-12 placed 2 inches to the side and 2 inches below the seed at planting time. Ramrod herbicide was applied, immediately after planting, at 5 pounds active ingredient per acre. No insecticides or fungicides were applied after planting. Most lots of seed had been treated with a fungicide and/or an insecticide. Irrigation was used throughout the season as needed. However with the high rainfall in May and June, which probably resulted in stunted plant growth, only one irrigation in July was needed.

The following information on temperature and rainfall was obtained for the University Farm records in Columbus, Ohio:

		Weather Data	
Month	Average Temperature (^O F)	Total Rainfall (inches)	Above or Below Normal (inches)
May	58.8	6.78	2.50
June	70.0	6.37	2.28
July	73.6	4.04	-0.37
August	71.2	1.30	-2.51

The first harvest was made on July 24 and the last harvest was made August 16. Seneca Horizon, Buttervee and Earlivee were harvested on the first day of harvest. The highest yielding cultivars in the replicated plots (Table 2) based on marketable ears harvested per acre were Gold Winner, Honeycomb and Silver Chief with over 1200 dozen ears per acre. The Gold Winner cultivar produced the highest percent of marketable ears. Silver Chief, a white variety, had ears with the highest weight per ear and the longest ears in the replicated plots. Silver Chief was also the highest yielding white cultivar in the trials. Sweet Sal was the highest yielding bicolor cultivar in the trial based on dozens of ears per acre. Seneca Sentry was the highest yielding yellow cultivar in the replicated trials.

The numbered cultivars 77-2269 and 79-2537 were the highest yielding in the non-replicated plots.

Variety and source ()* haSeneca Horizon(3)Buttervee(1)Spring Gold(4)Burgandy Delight(2)Wondersweet(4)Aztec(5)Goldenvee(1)Honeycomb(9)NCX 2021(7)Tablevee(1)Candy Bar(8)Gold Winner(4)Earliqueen(6)Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	rst rvest 64 64	doz/A	ton/A	Per-	unhusked	husked	dia.ears husked	Ear worms	Smut	Bird damage	Kernel
Buttervee(1)Spring Gold(4)Burgandy Delight(2)Wondersweet(4)Aztec(5)Goldenvee(1)Honeycomb(9)NCX 2021(7)Tablevee(1)Candy Bar(8)Gold Winner(4)Earliqueen(6)Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	64			cent	(1bs.)	(in.)	(in.)	<u>%</u>	%	%	Color
Buttervee(1)Spring Gold(4)Burgandy Delight(2)Wondersweet(4)Aztec(5)Goldenvee(1)Honeycomb(9)NCX 2021(7)Tablevee(1)Candy Bar(8)Gold Winner(4)Earliqueen(6)Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	64	930	2.83	73	.51	6.6	1.6	6.2	0.0	4.4	Y
Spring Gold(4)Burgandy Delight(2)Wondersweet(4)Aztec(5)Goldenvee(1)Honeycomb(9)NCX 2021(7)Tablevee(1)Candy Bar(8)Gold Winner(4)Earliqueen(6)Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)		797	1.60	52	.35	7.1	1.5	9.9	0.6	15.2	Y
Burgandy Delight (2) Wondersweet (4) Aztec (5) Goldenvee (1) Honeycomb (9) NCX 2021 (7) Tablevee (1) Candy Bar (8) Gold Winner (4) Earliqueen (6) Sugar Loaf (9) Sugar Dot (8) Seneca Scout (3) Sweet Sal (4) Merit (5) Atlantic (7) Jubilee (6) Symphony (4) Sugar Time (9) Flavorvee (1)	70	657	1.55	46	.39	6.0	1.6	4.2	3.6	17.7	Ŷ
Wondersweet (4) Aztec (5) Goldenvee (1) Honeycomb (9) NCX 2021 (7) Tablevee (1) Candy Bar (8) Gold Winner (4) Earliqueen (6) Sugar Loaf (9) Sugar Dot (8) Seneca Scout (3) Sweet Sal (4) Merit (5) Atlantic (7) Jubilee (6) Symphony (4) Sugar Time (9) Flavorvee (1)	70	708	1.73	40 52	.39	8.0	1.4	0.0	0.7	0.0	BC
Aztec (5) Goldenvee (1) Honeycomb (9) NCX 2021 (7) Tablevee (1) Candy Bar (8) Gold Winner (4) Earliqueen (6) Sugar Loaf (9) Sugar Dot (8) Seneca Scout (3) Sweet Sa1 (4) Merit (5) Atlantic (7) Jubilee (6) Symphony (4) Sugar Time (9) Flavorvee (1)	72	554	2.47	51	.74	8.5	1.4	0.6	3.2	18.0	Y
Goldenvee (1) Honeycomb (9) NCX 2021 (7) Tablevee (1) Candy Bar (8) Gold Winner (4) Earliqueen (6) Sugar Loaf (9) Sugar Dot (8) Seneca Scout (3) Sweet Sa1 (4) Merit (5) Atlantic (7) Jubilee (6) Symphony (4) Sugar Time (9) Flavorvee (1)	72	531	1.48	39	.46	7.3	1.5	3.3	2.2	37.8	Ŷ
Honeycomb (9) NCX 2021 (7) Tablevee (1) Candy Bar (8) Gold Winner (4) Earliqueen (6) Sugar Loaf (9) Sugar Dot (8) Seneca Scout (3) Sweet Sal (4) Merit (5) Atlantic (7) Jubilee (6) Symphony (4) Sugar Time (9) Flavorvee (1)	72	439	1.35	47	.40	7.2	1.7	2.7	0.0	15.3	Ŷ
NCX 2021 (7) Tablevee (1) Candy Bar (8) Gold Winner (4) Earliqueen (6) Sugar Loaf (9) Sugar Dot (8) Seneca Scout (3) Sweet Sal (4) Merit (5) Atlantic (7) Jubilee (6) Symphony (4) Sugar Time (9) Flavorvee (1)	72	1279	4.37	83	.51	8.5	1.7	0.0	0.0	1.7	Y
Tablevee(1)Candy Bar(8)Gold Winner(4)Earliqueen(6)Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	75	1162	3.29	58	.47	7.6	1.7	1.1	0.8	2.3	Ŵ
Candy Bar(8)Gold Winner(4)Earliqueen(6)Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	75	637	2.11	62	.55	8.0	1.7	0.0	1.2	2.4	Y
Gold Winner(4)Earliqueen(6)Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	75 75	379	1.13	26	.50	5.2	1.2	0.7	8.2	11.6	Ŷ
Earliqueen(6)Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	77	1221	5.18	85	.71	7.9	1.9	0.6	0.0	1.2	Ŷ
Sugar Loaf(9)Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	77	1060	3.20	69	.50	6.1	1.7	2.0	0.0	0.0	Ŵ
Sugar Dot(8)Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	77	893	2.57	54	.48	7.4	1.5	0.8	0.0	1.2	Y
Seneca Scout(3)Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	77	657	1.64	51	.40	7.5	1.6	0.0	0.0	3.4	BC
Sweet Sal(4)Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	78	1196	4.14	79	.58	7.5	1.4	0.5	0.0	1.9	Y
Merit(5)Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	78 78	1196	4.39	82	.61	8.2	1.7	0.0	0.5	1.5	BC
Atlantic(7)Jubilee(6)Symphony(4)Sugar Time(9)Flavorvee(1)	78 78	1183	4.64	79	.65	8.2	1.7	0.0	0.0	0.0	Y
Jubilee (6) Symphony (4) Sugar Time (9) Flavorvee (1)	78 78	1123	4.54	75	.67	8.4	1.8	1.4	0.0	0.0	Ŷ
Symphony(4)Sugar Time(9)Flavorvee(1)	78	902	3.22	62	.60	8.6	1.6	0.0	0.0	0.0	Ŷ
Sugar Time (9) Flavorvee (1)	78	750	2.23	57	.50	7.6	1.8	0.0	1.9	0.6	BC
Flavorvee (1)	78	615	1.81	42	.49	8.7	1.5	1.4	0.0	1.9	Y
	79	954	3.73	68	.65	8.0	1.8	3.6	0.0	3.0	Ŷ
	80	1047	3.50	74	.56	7.8	1.5	0.0	0.5	0.0	Ŵ
	80	814	4.00	76	.82	9.0	1.7	0.0	0.7	1.4	BC
	80 81	1208	4.00 6.49	84	.90	9.5	1.6	4.1	0.6	0.6	W
(-,	84	1183	4.22	56	.59	8.2	1.6	0.4	0.0	0.0	Ŷ
Silver Queen (6)	04	912	3.41	48	.62	8.0	1.5	1.4	1.4	1.0	Ŵ

TABLE 2. Replicated Trial: Yield and Other Characteristics of Sweet Corn Cultivars - Columbus - 1981.

LSD

*Cultivars ranked according to days to first harvest (lowest first) and dozens of marketable ears per acre (highest yield) based on ears listed first within maturity. () number within bracket refers to seed company supplying seed.

-4-

Variety and sourc	e ()*	Days to first harvest		able Yi ton/A	Per-	Avg. wt. mkt.ears unhusked (1bs.)	Avg. lgth.ears husked (in.)	Avg. dia.ears husked (in.)	Ear worms %	Smut	Bird damage %	Kerne Colo
Earlivee	(1)	64	273	0.57	12	0.35	6.0	1.3	6.9	30.2	4.6	Y
Early Sunray	(2)	68	500	1.91	53	0.63	7.6	1.7	17.5	2.5	2.5	Y
Spring White	(4)	68	192	0.41	15	0.36	5.8	1.6	5.5	2.7	25.0	W
Seneca Star	(3)	70	714	2.29	46	0.53	7.6	1.7	6.1	4.0	2.0	Y
Early Arctic	(9)	70	230	0.81	36	0.58	7.0	1.8	15.7	0.0	26.3	Y
Dawn	(9)	70	115	0.32	11	0.46	7.0	1.7	6.2	3.1	9.3	Y
Exp. 1800	(9)	· 72	230	0.37	20	0.26	6.0	1.5	0.0	6.6	20.0	Y
79-1888	(6)	73	40	0.71	2	0.29	7.0	1.8	17.6	5.8	67.6	Y
Tablevee	(1)	76	361	1.30	39	0.60	7.2	1.7	0.0	2.8	2.8	Y
Bellringer	(4)	77	1191	7.00	96	0.98	7.7	1.8	0.0	0.0	5.0	Y
Seneca RXP -293	(3)	77	1125	3.42	80	0.50	7.7	1.6	0.0	0.0	5.4	Y
XP-2538	(5)	77	1114	4.12	61	0.61	7.1	1.6	3.3	0.0	6.7	BC
Bellegold	(4)	77	1037	2.76	59	0.44	7.3	1.6	3.8	3.8	7.6	Y
Sundance	(4)	77	926	2.48	59	0.44	7.0	2.4	1.9	5.7	5.7	Y
Calico	(5)	77	922	2.83	74	0.51	8.2	1.6	0.0	0.0	0.0	BC
Spring Calico	(15)	77	807	2.53	54	0.52	7.9	1.6	4.5	0.0	2.3	BC
SX-1009	(4)	77	764	2.46	47	0.53	8.3	1.6	0.0	4.1	2.1	Y
Starlet	(2)	77	764	2.17	50	0.47	8.3	1.5	0.0	4.3	15.2	Y
Quicksilver	(4)	77	764	2.51	40	0.54	7.3	1.6	0.0	1.4	10.2	W
NCX-2033	(7)	77	691	1.82	56	0.43	7.6	1.5	0.0	2.1	4.2	Y
Bullseye	(8)	77	522	2.12	42	0.67	8.4	1.8	2.0	2.0	14.0	Y
Mevak	(5)	77	503	1.23	34	0.40	7.6	1.5 ,	4.9	2.4	22.0	Y
Tastyvee	(1)	77	423	0.92	31	0.36	8.4	1.4	0.0	0.0	22.0	Y
Early Gold	(7)	77	323	1.16	38	0.59	7.4	1.6	6.2	0.0	15.6	Y
Debut	(6)	77	230	0.88	16	0.63	6.8	1.7	9.1	0.0	45.4	Y
Goldenvee	(1)	77	132	0.55	24	0.48	6.8	1.8	0.0	0.0	34.4	Y
Mellow Yellow	(8)	77	1119	4.29	69	0.60	8.1	1.7	1.5	0.0	6.1	Y
79-2537	(6)	78	1690	5.16	62	0.50	8.5	1.7	3.5	0.0	0.0	Y
Mov-2043	(7)	78	1152	3.71	54	0.53	7.8	1.6	0.0	4.0	16.0	Y
79-2727	(6)	78	964	2.82	77	0.48	7.3	1.6	0.0	0.0	3.1	W
Exp-5651	(9)	78	964	4.03	86	0.69	8.7	1.5	2.8	0.0	5.6	Y
NCX-2022	(7)	78	960	2.30	68	0.40	7.4	1.5	8.7	0.0	13.0	Y
Reliance	(9)	78	807	2.58	54	0.53	7.8	1.5	0.0	0.0	11.0	Y
79-2608	(6)	78	807	2.53	42	0.52	8.9	1.7	7.7	0.0	23.1	BC
E-0501	(8)	78	499	1.91	26	0.63	7.4	1.8	10.4	0.0	26.9	Y
NCX-2029	(7)	78	499	1.67	49	0.55	7.9	1.5	0.0	0.0	2.8	Y
XP-2553	(5)	78	38	0.07	2	0.31	8.5	1.5	0.0	6.4	38.7	Y
Burgandy Delight	(1)	79	730	1.94	48	0.44	8.0	1.5	0.0	1.7	3.5	BC

ļ

TABLE 3. Non-Replicated Trial: Yield and Other Characteristics of Sweet Corn Cultivars - Columbus - 1981.

-5-

•

		Days to first		able Yi	Per-	Avg. wt. mkt.ears unhusked	Avg. lgth.ears husked	Avg. dia.ears husked	Ear worms	Smut	Bird damage	
Variety and sourc	e ()*	harvest	doz/A	ton/A	cent	(1bs.)	(in.)	(in.)	%	%	%	Color
XP-2500	(5)	79	653	1.18	66	0.30	7.7	1.6	3.7	3.7	0.0	Y
XP-2539	(5)	79	484	1.69	26	0.58	8.2	1.6	8.7	0.0	39.1	Y
Harmony	(4)	79	119	0.38	9	0.53	6.7	1.8	0.0	0.0	74.5	BC
Reward	(6)	79	-	-	-	-	-	-	5.9	5.9	88.2	Y
77-2269	(6)	80	1679	6.39	69	0.63	8.6	1.6	4.1	0.0	2.7	Y
79-2649	(6)	80	1268	5.02	74	0.66	9.0	1.9	1.4	0.0	0.0	BC
XP-2554W	(5)	80	964	4.10	62	0.70	9.4	1.7	3.7	0.0	5.7	W
AX-409	(4)	80	910	2.32	73	0.42	7.4	1.4	0.0	0.0	3.2	Y
Comet	(5)	80	883	3.32	63	0.62	8.9	1.7	8.0	0.0	2.0 .	W
Apache	(5)	80	730	2.23	49	0.51	7.7	1.4	6.4	2.1	12.8	Y
E-8501	(8)	80	538	2.53	40	0.78	7.4	1.7	7.8	0.0	23.5	Y
Seneca RXP-347	(3)	81	1072	4.14	86	0.56	8.2	1.5	0.0	0.0	7.9	Y
Golden Nectar	(9)	82	999	3.96	65	0.66	8.8	1.7	0.0	0.0	0.0	Y
BVX-819	(4)	82	999	3.04	58	0.51	8.2	1.6	2.1	4.2	14.6	Y
XP-2541 BC	(5)	82	807	3.32	45	0.68	8.9	1.7	14.8	3.7	5.6	BC
EXP-5133	(9)	82	787	3.04	54	0.64	7.6	1.7	15.6	0.0	18.8	Y
NCX-2028	(7)	82	691	2.81	60	0.67	7.6	1.6	0.0	2.6	5.1	· BC
Seneca RXP-258	(3)	82	691	3.34	37	0.81	8.9	1.8	7.9	0.0	19.1	Y
Flavorvee	(1)	82	691	3.02	50	0.73	8.1	1.7	0.0	0.0	0.0	Y
E-9503	(8)	82	603	1.93	39	0.53	7.7	1.7	5.4	0.0	21.8	Y
Seneca RXP-258	(3)	82	1191	3.50	76	0.49	7.8	1.6	0.0	0.0	4.3	Y
78-2656	(6)	83	1306	5.18	68	0.66	8.4	1.7	4.3	1.4	2.9	Y
E-9502	(8)	83	499	1.96	40	0.65	8.5	1.6	14.3	0.0	21.4	Y
Mini Max	(9)	83	161	0.48	17	0.49	8.2	1.5	12.9	0.0	16.1	Y
Sucro	(6)	83	-	-	-	-	-	-	0.0	0.0	0.0	Y
White Lightning	(1)	84	1229	3.36	56	0.46	7.5	1.4	1.5	6.2	7.7	W
Calypso	(6)	84	1045	4.22	54	0.67	8.0	1.9	0.0	1.5	12.1	BC
E-0502	(8)	84	979	4.56	53	0.78	8.8	1.7	3.1	0.0	12.5	Y
WX-309	(4)	84	764	2.80	34	0.61	8.7	1.5	5.7	0.0	0.0	W
VX-719	(4)	84	499	2.38	43	0.79	8.5	1.7	6.7	3.3	43.3	Y
Honey-N-Frost	(2)	84	307	0.92	22	0.50	7.5	1.5	15.6	0.0	28.9	BC
76-2883	(6)	84	230	0.97	13	• 0.70	9.2	1.7	10.5	1.8	42.1	Y
Kandy Korn	(1)	84	77	0.37	6	0.80	8.0	2.0	1.5	0.0	24.6	Y
E-9501	(8)	84	0	0.00	0	0.00	8.4	1.7	28.0	0.0	16.0	Y
Seneca Pinto	(3)	85	384	0.97	27	0.42	7.4	1.4	4.3	10.6	0.0	BC
XP-2555 W	(5)	86	1364	5.19	60	0.64	8.1	1.7	0.0	0.0	1.3	W
XP-2534 BC	(5)	88	273	1.01	23	0.62	7.5	1.3	0.0	7.1	0.0	BC

TABLE 3. Non-Replicated Trial: Yield and Other Characteristics of Sweet Corn Cultivars - Columbus - 1981.

*Cultivars ranked according to days to first harvest (lowest first) and dozens of marketable ears per acre (highest yield) basd on ears listed first within maturity. () number within brackets refers to seed company supplying seed.

φ



