

Table 1. Yield, ear size and quality, and plant characteristics of supersweet corn in Northern Indiana, 2003.

Cultivar	Co.*	Color	Days to Harvest	GDD to Harvest**	Yield of Marketable Ears	Average Ear Weight	Ear Length	Ear Diameter	Husk Cover	Tip Fill	Overall	Emergence	Lodge	Plant Ht.	Ear Ht.	Tillers	Vigor, 8/15	Vigor, 6/12	
			(DAP)**		(doz/A)	(cwt/A)	(lb)	(in)	(in)	(1-9)#	(1-9)#	(1-9)#	(%)	(1-9)#	(1-3)#	(1-6)#	(1-5)#	(1-9)#	(1-9)#
272A	ST	BI	77	1331	1194	91	0.63	7.6	1.74	4.1	6.2	3.7	79	2.3	2.3	2.3	2.0	4.7	7.7
ACX725	AC	BI	80	1395	1355	105	0.64	7.3	1.75	4.2	8.2	4.0	70	4.0	2.2	2.5	1.7	5.0	7.3
BSS1690	SY	BI	80	1395	1355	117	0.72	7.8	1.69	4.8	7.4	3.7	88	1.7	2.8	2.3	1.0	4.7	8.0
277A	ST	BI	82	1454	1420	104	0.61	7.0	1.83	5.4	8.9	5.7	65	4.3	2.5	2.5	1.7	4.3	5.7
ACX1071	AC	BI	82	1454	1565	143	0.76	8.4	1.81	3.4	6.2	4.7	86	3.0	3.0	2.8	2.3	5.3	7.7
Saturn Bicolor	SW	BI	83	1474	1533	118	0.64	7.8	1.72	7.1	8.8	6.7	83	1.7	3.0	3.0	1.3	4.7	5.3
ACX950	AC	BI	84	1497	1339	110	0.69	7.3	1.71	6.4	8.7	6.7	90	3.3	3.0	3.8	1.3	5.3	8.0
Obsession	ST	BI	85	1510	1533	140	0.76	7.8	1.85	8.7	8.4	7.7	82	2.3	3.0	3.3	2.3	5.3	6.7
BSS0977	SY	BI	86	1524	1468	116	0.66	7.9	1.88	7.8	8.1	7.3	81	1.3	3.0	4.0	1.3	5.0	7.3
Mirai 301BC	SG	BI	86	1524	1646	149	0.76	8.1	1.93	7.8	7.7	6.3	77	2.0	3.0	4.0	2.7	5.0	6.7
276A	ST	BI	86	1542	1387	125	0.75	7.9	1.94	8.3	8.3	7.7	71	3.7	2.8	2.7	1.7	4.3	5.0
ACX816	AC	BI	86	1542	1194	121	0.85	8.3	1.93	8.1	5.8	6.0	43	3.3	2.8	2.5	3.3	4.7	2.7
Mirai 002	SG	Y	85	1510	1420	123	0.72	7.4	1.88	9.0	8.2	8.0	73	3.7	3.0	4.0	1.3	5.7	4.3
Saturn	SW	Y	85	1510	1484	122	0.69	7.5	1.86	8.9	8.8	8.0	69	1.7	3.0	3.0	2.3	4.7	3.7
GSS0966	SY	Y	87	1561	1500	123	0.68	7.3	1.75	7.8	9.0	8.0	81	3.0	3.2	4.2	1.3	6.0	6.7
Zenith	RI	Y	87	1561	1355	106	0.66	7.1	1.78	9.0	8.4	7.3	56	3.0	3.0	3.5	2.7	4.7	3.0
Grand mean					1422	120	0.70	7.6	1.81	6.9	8.0	6.3	75	2.8	2.9	3.2	1.9	5.0	6.0
LSD .05†					NS	22	0.08	0.4	0.14	-	-	-	15	1.4	-	-	-	-	-
r ² for regression vs DAP††					NS	NS	NS	NS	0.31										

*Seed source: ST=Stokes Seeds, AC=Abbott&Cobb, SY=Syngenta/Rogers, SW=Seedway, SG=Siegers Seeds, RI=Rispens Seeds.

**DAP: days after planting.

***GDD: corn growing degree days.

#Husk cover, tip fill, plant vigor: 1 to 9 scale; 2=poor (weak), 5=acceptable, 8=good (vigorous). Height: 1=<5 ft., 2=5-6 ft.; 3=> 6 ft.. Ear Ht. 1 < 12 in. to 6 >36 in.; Tillers: 1=no tillers to 5=many large tillers. Lodging: 1=no lodging; 9-maximum lodging.

†Means differing by more than this amount are significantly different at P≤.05. NS=Cultivar effect not significant.

††r² is the proportion of variability explained by harvest date; NS=regression not significant at P≤.05.