



UNIVERSITY OF
SASKATCHEWAN

VEGETABLE CULTIVAR AND CULTURAL TRIALS 2006

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Saskatchewan
Agriculture
and Food

SUPERSWEET CORN 2006

Cultivar	Source	Date of 50% Harvest	Marketable Yields 000/ha t/ha		Height		Cob Characteristics						Taste	Sweetness	Overall Rating	Comments
					Plant (m)	Cob (m)	Length (cm)	Width (cm)	Row #	Row Uniformity	Tip Fill	Cob Fill				
Supersweet (sh2): Bicolour																
BSS 6562	RO	Sept. 6	65.8	21.1	2.2	0.7	18.4	4.6	18.4	1.5	4.0	4.0	3.5	3.0	3.5	Above average cob #, excellent tip & cob fill, good flavour, rows spiralled around the cob
Cabaret	SW	Sept. 6	69.2	23.0	2.5	0.8	19.9	4.7	20.8	4.0	2.5	3.5	3.0	3.0	3.5	Good yields & flavour, small kernels
Candy Corner***	HM	Sept. 6	78.3	27.9	2.4	0.6	19.1	4.4	15.8	4.0	4.5	4.0	3.0	3.0	4	Excellent yields & fill, good flavour, juicy but tough
Confection***	HM	Sept. 1	79.2	27.0	2.3	0.7	18.7	4.7	16.9	4.0	3.5	4.0	2.0	2.0	3	Excellent yields, good tip & cob fill, difficult to harvest, juicy but tough
Fresh Start	ST	Sept. 1	79.2	24.6	2.1	0.7	19.6	4.4	13.7	3.0	3.0	2.5	3.5	2.0	3	Good yields, variable tip/cob fill and kernel size, some cobs look overdone
Mirai 301***	SW	Sept. 6	53.3	21.5	2.0	0.8	20.7	4.6	17.8	3.5	4.0	3.0	2.5	2.5	2.5	Poor flavour
Mirai 308BC	SW,Sie	Aug. 30	63.3	18.5	1.9	0.6	20.3	4.5	17.6	3.0	3.5	3.5	4.0	4.5	4	Excellent flavour, sweet, good cob #, crunchy, flattened cob tips
Mirai 327	NOR	Sept. 6	70.0	22.6	1.9	0.6	21.0	4.3	16.4	4.0	2.0	2.0	3.0	3.5	3.5	Good cob #, poor tip & cob fill, unique flavour, juicy & crunchy
Supersweet (sh2): Yellow																
ACX 725Y***	AC	Sept. 1	63.3	22.4	2.1	0.5	18.9	4.9	16.9	3.5	4.5	4.0	3.5	3.5	4	Good yields & taste, juicy, excellent tip & cob fill
Butterscotch	T+M	Sept. 1	25.8	11.0	2.2	0.5	22.5	4.9	16.4	3.5	3.0	3.5	2.0	2.0	2	Poor yields & flavour, tough & starchy, large cobs
GSS 1303	RO	Sept. 6	73.3	23.6	2.3	0.7	21.3	4.5	18.4	3.0	1.0	3.0	3.5	2.0	3	Good yields, poor tip fill, starchy, difficult to harvest
Impulse***	RO	Sept. 6	65.8	20.8	2.4	0.6	19.1	4.5	16.7	3.0	1.5	3.0	2.0	1.0	2	Average yields, poor tip fill, starchy, tough texture
Mirai 002***	Sie	Sept. 6	60.8	18.6	2.4	1.0	19.2	4.6	17.0	2.5	4.0	3.5	3.5	4.5	3	Excellent sweetness, good taste, below average yields
Northern Supersweet***	EFG	Aug. 30	59.2	23.3	2.0	0.6	23.6	4.6	13.4	2.0	1.5	3.5	3.5	2.5	3	Large cobs & kernels, good flavour, poor husk cover on tips
Passion	NOR,Sie,ST	Sept. 6	66.7	26.6	2.2	0.7	23.3	4.6	18.0	2.5	3.0	3.5	3.5	3.0	4	Good yields & flavour, crunchy, attractive dark yellow colour
Primetime	SW	Sept. 6	63.3	21.1	2.0	0.5	21.2	4.1	17.6	3.5	4.5	4.0	2.0	2.0	2	Good tip & cob fill, 40% cobs have corn earworm, bland, crunchy, starchy
Sheba	WG	Aug. 25	65.8	22.0	2.1	0.8	20.7	4.3	14.3	3.5	2.5	4.0	3.0	2.5	3	Early, good cob fill & cob #, poor tip fill, crunchy & juicy but starchy
Summer Sweet 6800	AC	Aug. 25	47.5	15.3	2.1	0.7	18.2	4.3	16.5	2.5	3.0	3.0	4.0	4.0	2	Excellent flavour & sweetness, juicy, poor yields
Yellow Crown	EG	Sept. 13	18.3	9.8	2.4	1.0	22.6	4.8	17.0	3.0	3.5	2.5	4.0	3.5	2	Late, poor yields, large cobs, excellent flavour, crispy
Average (supersweet)		Sept. 3	61.5	21.1	2.2	0.7	20.4	4.5	16.8	3.1	3.1	3.4	3.1	2.8	3.0	

Augmented Supersweet (Gourmet Sweet): Bicolor																
ACX 734BC	Os	Sept. 6	51.7	18.6	2.0	0.7	18.7	4.9	17.4	3.0	4.5	4.5	3.5	5.0	3.5	Excellent tip & cob fill, sweetness is overpowering, below average yields
Fantastic	SW,Sie	Sept. 1	60.8	21.0	2.1	0.7	19.5	4.8	17.4	2.5	4.0	4.0	4.5	5.0	4	Excellent flavour & sweetness, excellent tip & cob fill, below average yields
Holiday	CK	Sept. 6	62.5	22.7	2.2	0.7	21.6	4.5	21.3	---	---	---	---	---	2.5	Late, large cobs
Optimum	CK,SW	Sept. 6	65.8	24.8	2.2	0.5	20.4	4.6	16.0	3.5	4.0	3.5	4.5	4.5	4.5	Excellent flavour & sweetness, good yields, good cob & tip fill
Surpass	CK	Sept. 6	70.8	20.9	2.3	0.8	19.8	4.2	15.2	3.5	0.5	3.5	4.0	4.5	3.5	Good cob # and flavour, rows are not straight, difficult to pick
XtraTender 270A	Sie	Aug. 30	53.3	20.4	2.0	0.5	21.5	4.5	17.0	3.0	2.5	3.5	3.5	3.5	3.5	Below average yields, starchy
Xtra Tender 272A	SW	Sept. 1	65.8	24.7	2.1	0.6	20.4	4.6	18.0	4.0	3.5	4.0	3.0	3.0	3	Good yields & tip fill, juicy, firm kernels
XtraTender 274A	Sie	Sept. 6	67.5	25.2	1.9	0.5	20.7	4.5	19.8	2.0	3.0	3.5	2.5	2.0	3	Good yields, juicy but bland
Xtra Tender 277A***	SW	Sept. 6	65.8	21.8	2.1	0.4	19.1	4.6	17.4	3.0	4.0	3.5	3.5	4.0	3	Good flavour but variable, difficult to determine maturity
Augmented Supersweet (Gourmet Sweet): White																
ACX 727W	Os	Aug. 25	70.8	23.2	2.1	0.6	18.0	4.5	15.2	3.5	4.0	4.0	3.5	3.5	3.5	Early, good cob #, juicy but starchy
Boreal	Os	Sept. 6	64.2	20.6	2.5	0.7	19.9	4.4	17.2	2.5	4.0	3.0	3.5	3.0	3	Below average yields, tough texture
Augmented Supersweet (Gourmet Sweet): Yellow																
1178	SW	Sept. 1	84.2	28.6	2.2	0.6	17.9	4.6	17.0	3.5	3.0	4.5	4.5	4.0	4.5	Attractive, excellent cob # & flavour
173A XtraTender	SW	Aug. 25	70.0	22.6	2.0	0.6	17.9	4.3	16.2	5.0	4.0	5.0	3.0	3.0	3.5	Attractive, excellent tip & cob fill, average flavour
Mirai 131	Sie	Sept. 6	50.0	19.4	2.2	0.9	22.6	4.5	16.8	2.0	2.5	2.0	3.5	3.5	2	Unattractive, poor yields, sweet but starchy
Vision	SW,Sie	Sept. 6	61.7	23.4	2.1	0.4	20.3	4.4	17.0	3.0	3.5	3.0	2.5	2.5	2	Poor flavour, below average cob #
XTH 1178	SW	Sept. 6	75.8	28.4	2.1	0.5	20.2	4.7	17.0	1.0	2.0	3.0	4.0	4.0	4	Excellent yields & flavour, poor uniformity & fill
XtraTender Brand 1178	Sie	Sept. 6	52.5	20.8	2.2	0.6	19.5	4.6	17.0	4.0	4.5	4.0	4.5	3.5	3.5	Excellent flavour, below average yields, good fill & uniformity
Average (augmented supersweet)		4 Sept.	64.3	22.8	2.1	0.6	19.9	4.5	17.2	3.1	3.3	3.7	3.6	3.7	3.3	
Miniature Corn																
Minor Sweet	Ve	Sept. 1	97.5	10.9	2.4	0.8	10.3	1.3	15.5	---	---	---	3.0	2.0	3.5	Mini-corn (harvested immature), difficult to determine when to pick, excellent cob #, good mini-corn flavour
<p>Bold = Recommended in 2006 *** = Recommended in previous trials --- = Data not available</p> <p>Date Seeded: May 23, 2006 Date of First Harvest: Aug. 14, 2006 Date of Final Harvest: Sept. 13, 2006</p> <p>Spacing: In row - 10cm Between row - 1m</p> <p>Sweetness: 1 - bland 5 - very sweet</p> <p>Row Uniformity: 1 - crooked rows 5 - straight rows</p> <p>Tip Fill/Cob Fill/Overall Rating: 1 - poor 5 - excellent</p>																