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Northern Ohio Sweet Corn Evaluation – 2008

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Rispen
Mesa Maize
Seminis
Stokes
Abbott-Cobb
Syngenta
Crookham
Rogers Syngenta
Harris Moran

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Northern Ohio Sweet Corn Evaluation - 2008

Sweet corn is one of the most commonly grown fresh market crops in Northwest Ohio. Having two general genotypes and a wide array of different varieties within each genotype, it becomes difficult to choose what varieties to plant. To add to this confusion there is also the combination of the two genotypes referred to by triple sweets *su*. The objectives of the Northern Ohio Sweet Corn Evaluation were (1) to test and evaluate *sh2*, *se* and *su* sweet corn varieties under northern Ohio growing conditions for plant and ear characteristics and yield, and (2) to provide taste test results from the general public for several varieties. Each variety was judged using only plot numbers and only at the end of the evaluation were variety names substituted for plot numbers.

Plant evaluations were performed at regular intervals during the growing seasons and at harvest.

Seventeen *se* and/or *su* sweet varieties and fourteen varieties of *sh2* were evaluated (Tables 1, 2). Plots were established in a randomized complete block design with 4 replications per entry. Each rep was planted in 4 rows, harvesting only the middle two rows. Data collected on each entry included the following:

- Seedling vigor early and midseason
- Suckering
- Silk and harvest dates
- Snap rating (ease of ear removal from stalk)
- Ear height
- Final stand per 20 ft/row (2 ten ft/row harvest data rows)
- Marketable dozen per acre
- Flag appearance
- Husk cover
- Tip fill
- Rows of kernels/ear
- Ear color, length and diameter
- Brix value at harvest, 3 days storage, 5 days storage

All values reported are based on the average of all 4 replications per entry, unless otherwise noted.

Sh2 trial was first planted on May 5, 2008 which was followed two weeks of extremely poor weather. Evaluation of the plot on May 27 found several of the varieties with populations that were not acceptable. These varieties are noted in the *sh2* plant evaluation as being unacceptable and force us to replant the trial on May 29. Please note that three of the varieties were switched from the original trial due to seed availability. Plots were established on May 28 & 29 2008, in rows spaced 30" apart and at a seeding rate of 3 seeds per foot of row. All cultural practices and field operations are listed in Table 3.

Seedling vigor (emergence), mid-season vigor and pre-tassel vigor ratings were taken along with silk date and harvest date (Tables 4, 8). Disease was not a problem in either of the plots. No evaluation was taken.

At harvest, ease of harvesting ear (snap rating), ear height, stand per 10 ft./row, marketable dozens per acre (Tables 5, 9). At harvest, 5 ears per rep were evaluated for flags, husk cover, tip fill, number of kernel rows/ear, ear color, length and diameter (Tables 6, 10).

As part of this continuing project, several different varieties were distributed to a group of volunteer individuals for the purpose of rating varieties on appearance and taste. Individuals were given two different varieties and asked to judge each variety in two general areas. The first area was Appearance, defined as (1) husk color (2) size of ear and (3) kernel color. The second area was Taste, which included (1) tenderness (2) sweetness and (3) flavor. The evaluation form also asked about overall comments about each variety. Participants were encouraged to let each family member judge the corn individually. Varieties were only identified to participants as numbers.

The goal of the consumer taste results was to get the public's opinion on some of the sweet corn varieties tested in our trial this year. Most participants thought the test was interesting and very enjoyable. Sweet corn varieties selected for public opinion were selected by harvest ratings done at the OARDC North Central Agricultural Research Station. These ratings included appearance of rowing (how straight the rows of kernels were on the ears, tenderness and sweetness (raw taste test) (Tables 7, 11). Volunteer participants were asked to taste cooked sweet corn for evaluation. Some general observations of the taste test panel were that everyone has a different idea of how sweet corn should taste, some participants prefer immature corn while others prefer fully mature or over-mature ears, and people prefer longer ears. All participants volunteered for future taste test panels.

Table 1. Varieties and seed suppliers for *se* & *su* entries

**2008 North Ohio Sweet Corn Evaluation
OARDC North Central Agricultural Research Station**

Varieties & Seed Companies

SE/ SU Trial Varieties

Bi-Color SE Varieties	Supplier
Revelation (68 day)	Harris Moran
Vitality (67 day)	Seminis
Montauk (80 day)	Mesa Maize
BC 0805 (82 day)	Rogers Syngenta
Reflection (72 day)	Harris Moran
BC 0808 (75 day)	Rogers Syngenta
HMX 6358 BES (66 day)	Harris Moran
Fastlane (67 day)	Stokes
Ovation (75 day)	Mesa Maize
Monomoy (76 day)	Mesa Maize
Trinity (70 day)	Crookham
Mystiue (75 day)	Crookham
Frisky (69 day)	Crookham
Kristine (80 day)	Crookham
White Varieties	
WH 1163 (76 day)	Rogers Syngenta
WHX 0809 (82 day)	Rogers Syngenta

Table 2. Varieties and seed suppliers for *sh2* entries

SH2 Trial Varieties

Bi-Color SH2 Varieties

	Supplier
Fantastic (75 day)	Stokes / Seedway
XTH 2280 (80 day)	Stokes
Brand 274A (74 day)	Stokes
Awesome (75 day)	Stokes
Triumph (75 day)	Rispen
BSS 0982 (79 day)	Rogers Syngenta
BSS 0977 (78 day)	Rogers Syngenta
ACR MS 5140 BC (77 day)	Abbott-Cobb
ACR MS 4012 BC (76 day)	Abbott-Cobb
ACX MS 7080 BC (78 day)	Abbott-Cobb
Seminis 5857 (77 day)	Rispen/Seminis
BSS 0808	Rispen
BSS 0809	Rispen
XTH 2171 (71 day)	Stokes
Sweet Surprise (72 day)	Rispen

White SH2 Varieties

	Supplier
Devotion (82 day)	Seminis/Rispen
Iceberg (74 day)	Harris Moran
Accure (79day)	Rispen
WSS 0987 BT (81 day)	Rogers Syngenta

Yellow SH2 Varieties

	Supplier
Accentuate (80 day)	Abbott-Cobb
Garrison (81 day)	Rogers Syngenta
Passion (81 day)	Seminis
GSS 0966 BT (78 day)	Rogers Syngenta
GSS 2008 BT (72 days)	Rogers Syngenta

Table 3. Log of Operation sh2

2008 Log of Operations for SH2 Sweet Corn Trial

Date	Project	Description of Operation
10/9/2007	SH 2 Sweet Corn	Applied 200 lbs / acre MAP, 400 lbs / acre 0-0-60, 10 lbs / acre Boron
10/10/2007	SH 2 Sweet Corn	Disk Chiseled field with JD 7520
4/20/2008	SH 2 Sweet Corn	weighed out and randomized seed for trial
4/30/2008	SH 2 Sweet Corn	Applied 350 lbs / acre of 28-0-0 fertilizer
5/1/2008	SH 2 Sweet Corn	measured and flagged out plot locations on edges of field
5/2/2008	SH 2 Sweet Corn	Made out variety stakes
5/2/2008	SH 2 Sweet Corn	Worked plot area with JD 5425, Kongslilde, and packer
5/6/2008	SH 2 Sweet Corn	planted staked and flagged plot area
5/6/2008	SH 2 Sweet Corn	set out variety stakes
5/6/2008	SH 2 Sweet Corn	Applied 1 pt / acre of Dual Magnum
5/29/2008	SH 2 Sweet Corn	Ripped up trial and reworked with Kongslilde and packer
5/29/2008	SH 2 Sweet Corn	weighed out seed and randomized
5/29/2008	SH 2 Sweet Corn	Layed out staked and drove plot area
5/29/2008	SH 2 Sweet Corn	Replanted trial
6/8/2008	SH 2 Sweet Corn	Cultivated trial with Allis Chalmers G
6/8/2008	SH 2 Sweet Corn	Hoed and hand weeded
6/17/2008	SH 2 Sweet Corn	Sidedressed with 400 lbs / acre of 28-0-0
6/23/2008	SH 2 Sweet Corn	Applied 1.66 pts / acre Laddock S-12 and 2 pts / acre Crop Oil
7/1/2008	SH 2 Sweet Corn	Set out plot stakes
7/2/2008	SH 2 Sweet Corn	Applied 2.56 oz / acre Warrior
7/10/2008	SH 2 Sweet Corn	Applied 6 oz / acre Asana XL
7/18/2008	SH 2 Sweet Corn	Applied 2.6 oz / acre Warrior
7/24/2008	SH 2 Sweet Corn	Applied 6 oz / acre Asana XL
7/31/2008	SH 2 Sweet Corn	made and set out field signs
7/31/2008	SH 2 Sweet Corn	Applied 3 oz / acre Spintor
8/8/2008	SH 2 Sweet Corn	harvested and evaluated varieties 18 & 21
8/11/2008	SH 2 Sweet Corn	harvested varieties 19, 28, 30, 33, 39
8/11/2008	SH 2 Sweet Corn	evaluated varieties 19, 28, 30, 33, 39
8/12/2008	SH 2 Sweet Corn	harvested varieties 17, 22, 24, 25, 31
8/12/2008	SH 2 Sweet Corn	evaluated varieties 17, 22, 24, 25, 31
8/18/2008	SH 2 Sweet Corn	harvested varieties 20, 32, 36, 38
8/18/2008	SH 2 Sweet Corn	evaluated varieties 20, 32, 36, 38
8/19/2008	SH 2 Sweet Corn	harvested varieties 29, 35, 37
8/19/2008	SH 2 Sweet Corn	evaluated varieties 29, 35, 37
8/20/2008	SH 2 Sweet Corn	Brix testing on varieties
8/26/2008	SH 2 Sweet Corn	Brix testing on varieties
8/26/2008	SH 2 Sweet Corn	Mowed off trial

Table 3 Log of Operations Se

2008 Log of Operations for SE Sweet Corn

Date	Project	Description of Operation
10/9/2007	SE Sweet Corn	Applied 200 lbs / acre of MAP, 400 lbs / acre of 0-0-60, and 10 lbs / acre of 10% Boron
10/15/2007	SE Sweet Corn	moldboard plowed under clover cover crop
4/20/2008	SE Sweet Corn	weighed out and randomized seed
4/30/2008	SE Sweet Corn	Applied 350 lbs / acre of 28-0-0 fertilizer
5/2/2008	SE Sweet Corn	Made out stakes for trial
5/28/2008	SE Sweet Corn	worked plot area with Danish tine and packer
5/28/2008	SE Sweet Corn	planted trial
5/29/2008	SE Sweet Corn	Applied 1 pt / acre Dual Magnum and 200 lbs / acre 28-0-0
6/17/2008	SE Sweet Corn	cultivated with Allis-Chalmers G
6/17/2008	SE Sweet Corn	hoed and hand weeded
6/17/2008	SE Sweet Corn	Side dressed plot with 400 lbs / acre of 28-0-0
6/23/2008	SE Sweet Corn	applied 1.6 pts / acre of Laddock SP12 and 2 pts / acre crop oil
7/1/2008	SE Sweet Corn	set out stakes for trial
7/2/2008	SE Sweet Corn	Applied 2.5 oz / acre Warrior
7/10/2008	SE Sweet Corn	Applied 6 oz / acre of Asana XL
7/18/2008	SE Sweet Corn	Applied 2.6 oz / acre Warrior
7/24/2008	SE Sweet Corn	Applied 6oz / acre of Asana XL
7/29/2008	SE Sweet Corn	Made and set out field sign
7/31/2008	SE Sweet Corn	Applied 3 oz / acre Spintor
8/4/2008	SE Sweet Corn	Harvested 5 varieties, # 3, 7, 9, 11, 14
8/4/2008	SE Sweet Corn	Evaluated 5 varieties
8/6/2008	SE Sweet Corn	Harvested 5 varieties, # 2, 4, 8, 12, 13
8/6/2008	SE Sweet Corn	Evaluated 5 varieties
8/8/2008	SE Sweet Corn	Harvested 2 varieties, # 5 & 6
8/8/2008	SE Sweet Corn	evaluated 2 varieties
8/14/2008	SE Sweet Corn	Harvested 4 varieties, # 1, 10, 15, 16
8/14/2008	SE Sweet Corn	Evaluated 4 varieties harvested
8/22/2008	SE Sweet Corn	Trial completed Disked under plots

Table 4. Plant evaluation se & su entries

2008 Northern Ohio Sweet Corn Trial (Plant Evaluation SE)

Varieties	Seedling Emergence	Mid-season Vigor	Suckers (1-3)	Silk Date	Harvest Date
<u>Bi-Color Varieties</u>					
HMX 6358 BES	4	4	2	7/14	8/4
Vitality	4	4	2	7/14	8/4
Fastlane	4	4	2	7/14	8/4
Revelation	3	3	0	7/22	8/6
Trinity	3	3	1	7/14	8/4
Reflection	3	3	1	7/22	8/6
BC 0808	3	3	2	7/22	8/6
Ovation	3	4	1	7/22	8/6
Mystiue	3	3	1	7/22	8/4, 8/6
Monomoy	3	3	2	7/22	8/8
BC 0805	3	3	1	7/28	8/14
<u>Synergistic</u>					
Frisky	3	4	2	7/14	8/4
Montauk	3	3	2	7/28	8/8
Kristine	3	3	2	7/22	8/14
<u>White Varieties</u>					
WH1163	3	4	2	7/28	8/14
WH 0809	4	4	1	7/28	8/14

Rating Scale:

Seeding Emergence;

Mid season: 1= poor (weak) 3 = average 5 = outstanding

Sucker: 0 = no suckers 1= few 2 = moderate

3 = severe

Silking date = 50% or more of plants silking in all 4 reps

Table 5. Harvest se & su entries

2008 Northern Ohio Sweet Corn Evaluation (Harvest Data SE)

Varieties	Snap (1 – 5)	Ear Height (Inches)	Stand Per/acre	Harvested Dozen/ acre	Marketable Dozen/acre
<u>Bi-Color Varieties</u>					
HMX 6358 BES	4.25	16	23,710	2011.88	1993.75
Vitality	4	18.5	20,880	2066.25	2048.13
Fastlane	3.5	17.8	21,100	1885	1885
Revelation	4.25	14	22,400	1848.75	1740
Trinity	3.75	12.75	21,100	1885	1848.75
Reflection	4.25	18.75	23,490	2066.25	1957.5
BC 0808	3.5	17	20,660	1703.75	1667.5
Ovation	4	22.75	19,790	1649.38	1576.88
Mystiue	4.25	24.8	20,010	1685.63	1721.88
Monomoy	4	17.25	24,360	2102.5	2102.5
BC 0805	3.75	20.4	23,710	2030	1957.5
<u>Synergistic</u>					
Frisky	3.75	10.63	22,840	1957.5	1703.75
Montauk	4	26	24,580	2066.25	2066.25
Kristine	4.25	16.6	22,620	1885	1830.63
<u>White Varieties</u>					
WH1163	3.75	26.5	25,880	2175	2084.38
WH 0809	3.75	27	25,010	2102.5	2066.25

Snap 1= very hard pull 3 = average pull 5 = very easy pull

Table 6. Ear Evaluation se & su entries

2008 Northern Ohio Sweet Corn Evaluation (Ear Evaluation SE)

Varieties	Husk Cover	Flags	Overall Husk	Tip Fill	Rows (AVG)	Length (Inches)	Diameter (Inches)
<u>Bi-Color Varieties</u>							
HMX 6358 BES	3	4	5	4	14	7.8	1.75
Vitality	3	5	5	4	14	7.65	1.8
Fastlane	3	5	5	5	14	7.55	1.75
Revelation	4	4	5	4	16	8.05	1.9
Trinity	3	5	5	5	14	7.9	1.8
Reflection	3	4	5	4	16	7.7	1.85
BC 0808	3	4	5	4	16	8.8	2
Ovation	5	5	5	5	14	7.9	1.95
Mystiue	4	4	4	3	16	8.1	1.85
Monomoy	4	5	5	4	16	7.85	1.65
BC 0805	3	4	4	4	16	8.6	1.85
<u>Synergistic</u>							
Frisky	2	5	4	5	13	7.3	1.75
Montauk	3	5	5	4	18	8.55	2
Kristine	3	4	5	5	16	7.8	2.1
<u>White Varieties</u>							
WH1163	4	3	4	4	18	8.4	2
WH 0809	4	3	4	5	16	8.4	1.9

Flags: 1= no flags 3= somewhat attractive 5= long & attractive
Husk Cover: 1 = no cover 3 = adequate tip cover 5 = abundant tip cover
Tip Fill: 1 = more than 2 inch gag 3 = 1 inch gap 5 = complete to the end
Overall Husk 1 = no cover poor appearance 3 = average appearance 5 = very good appearance

Table 7. Raw taste and appeal evaluation se & su entries

2008 Northern Ohio Sweet Corn Trial (Taste & Appeal SE)

Varieties	Rowing	Tenderness	Sweetness	Flavor	Kernel Color	Taste Test (Public)
<u>Bi-Color Varieties</u>						
HMX 6358 BES	4	5	4	4	5	X
Vitality	4	5	5	5	4	X
Fastlane	4	4	4	4	4	X
Revelation	4	4	5	5	5	X
Trinity	3	4	4	4	5	X
Reflection	5	5	5	5	4	X
BC 0808	4	4	4	4	4	X
Ovation	4	4	4	5	3	X
Mystiue	4	5	4	5	4	
Monomoy	5	5	4	4	5	X
BC 0805	5	5	4	4	5	
<u>Synergistic</u>						
Frisky	2	3	5	5	5	X
Montauk	4	5	5	5	5	X
Kristine	4	4	3	3	5	
<u>White Varieties</u>						
WH1163	4	5	5	5	4	X
WH 0809	5	4	4	4	5	X

Grading scales:

Rowing (straightness): 1 = no uniformity 3 = mostly straight 5 = straight & uniform

Kernel Color: 1 = dull 3 = average 5 = bright

Tenderness, Sweetness and Flavor were evaluated with raw sweet corn

Tenderness: 1 = tough 3 = somewhat tender 5 = very tender

Sweetness: 1 = bland 3 = somewhat sweet 5 = very sweet

X: Has been public taste tested results are listed in the back

Table 8. Brix Ratings

**2008 Northern Ohio Sweet Corn Evaluation
Brix Ratings
Cold Storage**

Varieties	Harvest Brix	3 Day Storage Brix	5 Day Storage Brix
<u>Bi-Color Varieties</u>			
HMX 6358 BES	18	15	18
Vitality	20	17.3	14.6
Fastlane	18.3	16.6	21
Revelation	13.3	20.6	19.3
Trinity	20	23.6	18.3
Reflection	15.6	15	17
BC 0808	16.3	16.3	13.3
Ovation	17.6	14	15.3
Mystiue	14.6	12.3	14.6
Monomoy	17.6	18.6	21.6
BC 0805	19	15.6	16.6
<u>Synergistic</u>			
Frisky	19.6	20	22.3
Montauk	16	14	15
Kristine	20.6	15.6	18.3
<u>White Varieties</u>			
WH1163	20	13.6	14.6
WH 0809	20.6	17	19.6

Brix results is a combination of three readings
 1st is from the top of the ear 2nd is from the middle 3rd is from the bottom
 Readings are then averaged and stated above.

Table 9. Plant evaluation sh2 entries

2008 Northern Ohio Sweet Corn Trial (Plant Evaluation Sh2)

Varieties	Seeding Emergence 1 st planting	Seeding Emergence 2 nd planting	Suckers (1-3)	Silk Date	Harvest Date
<u>Bi-Color Varieties</u>					
XTH 2171	1	3	1	7/14	8/11
Sweet Surprise	4	3	1	7/14	8/11
Brand 274A	4	4	2	7/14	8/8
Triumph	3	3	1	7/17	8/12
Awesome	4	4	0	7/17	8/12
Fantastic	4	4	1	7/14	8/8
ACR MS 4012	4	3	1	7/14	8/12
ACR MS 5140	3	3	2	7/17	8/12
Seminis 5857	1	3	1	7/22	8/15
<i>Seminis 4712 / BSS 0808</i>	1	3	2	7/14	8/11
BSS 0977	4	4	1	7/17	8/15
ACX MS 7080	1	3	2	7/14	8/15
BSS 0982	1	3	2	7/17	8/12
<i>Rispen 8000 / BSS 0809</i>	4	4	1	7/14	8/19
<i>XTH 2281 / XTH 2280</i>	4	4	1	7/22	8/18
<u>White Varieties</u>					
Iceberg	3	3	1	7/1	8/15
Accure	3	3	1	7/14	8/11
WSS 0987	3	3	2	7/22	8/18
Devotion	1	3	1	7/22	8/19
<u>Yellow Varieties</u>					
GSS 2008	3	3	2	7/14	8/11
GSS 0966	3	3	2	7/22	8/18
Accentuate	4	4	1	7/25	8/18
Garrison	4	4	2	7/25	8/18
Passion	1	3	1	7/17	8/15

Rating Scale: Seeding Emergence

1st planting, 1= poor not enough to evaluated, 3= average in three plots 5 = very good

2nd planting, 1= poor 3= average 5 = excellent

Sucker: 0 = no suckers 1= few 2 = moderate 3 = severe

Table 10. Harvest evaluation sh2 entries

2008 Northern Ohio Sweet Corn Trial (Harvest Data Sh2)

Varieties	Snap (1 – 5)	Ear Height (Inches)	Stand Per/acre	Harvested Dozen/ acre	Marketable Dozen/acre
<u>Bi-Color Varieties</u>					
XTH 2171	4	19	25,450	2193.13	2175
Sweet Surprise	3.5	20.25	24,360	2048.13	1993.75
Brand 274A	4.25	17.25	23,500	1721.88	1703.75
Triumph	4	21.5	22,185	1939.4	1812.5
Awesome	4.25	20.5	25,230	2193.13	2120.63
Fantastic	4	22	21,320	1794.38	1613.13
ACR MS 4012	4	20.25	23,710	2066.25	1903.13
ACR MS 5140	4.75	23.75	24,360	2030	2030
Seminis 5857	4	17.75	26,970	2555.63	1504.38
BSS 0808	3.75	14.6	26,970	2301.88	2265.63
BSS 0977	4	28.5	22,400	1975.63	1848.75
ACX MS 7080	4	17.75	21,750	1830.63	1595
BSS 0982	3.75	25.25	25,230	2102.5	2011.88
BSS 0809	3.75	26.75	27,840	2392.5	2320
XTH 2280	3.75	24.25	25,010	2120.63	1848.75
<u>White Varieties</u>					
Iceberg	4	27	20,880	1758.13	1558.75
Accure	4	23	22,400	1812.5	1631.25
WSS 0987	4	30.5	25,230	2374.38	2356.25
Devotion	3.75	32	26,100	2247.5	2048.13
<u>Yellow Varieties</u>					
GSS 2008	3.75	24.13	24,360	2066.25	2066.25
GSS 0966	4	28.6	24,800	2102.5	1939.4
Accentuate	4	28.25	24,580	2229.38	2120.63
Garrison	4.25	24.5	29,360	2664.38	2283.75
Passion	4.5	30	30,890	2646.25	2519.38

Snap 1= very hard pull 3 = average pull 5 = very easy pull

Table 11. Ear evaluation sh2 entries

2008 Northern Ohio Sweet Corn Evaluation (Ear Evaluation Sh2)

Varieties	Husk Cover	Flags	Overall Husk	Tip Fill	Rows (Avg)	Length (Inches)	Diameter (Inches)
<u>Bi-Color Varieties</u>							
XTH 2171	3	5	5	4	17	8.5	1.95
Sweet Surprise	3	4	4	5	18	8.35	1.8
Brand 274A	3	5	5	4	18	8.9	1.8
Triumph	3	5	5	5	18	8.35	1.8
Awesome	4	5	5	4	16	8.15	1.9
Fantastic	3	5	5	4	19	8.35	1.85
ACR MS 4012	3	5	5	5	16	8.3	1.8
ACR MS 5140	3	3	4	5	18	8.65	1.95
Seminis 5857	3	5	5	5	20	8.3	2.1
BSS 0808	4	3	4	4	18	8.7	1.9
BSS 0977	4	4	4	5	16	7.55	1.75
ACX MS 7080	3	5	5	5	16	8.45	1.95
BSS 0982	3	4	4	4	18	7.9	1.8
BSS 0809	5	2	3	3	16	8.25	1.85
*** XTH 2280	3	4	5	5	18	7.8	1.8
<u>White Varieties</u>							
Iceberg	4	2	4	4*	18	8.25	1.95
Accure	3	5	5	4.5	14	8.05	1.75
*** WSS 0987	3	4	5	5	16	7.3	1.9
Devotion	2	4	4	4	19	8.7	2
<u>Yellow Varieties</u>							
GSS 2008	4	5	5	3	16	8.35	1.85
GSS 0966	4	4	5	5	16	7.7	1.9
*** Accentuate	4	4	4	4	16	42	1.95
Garrison	4	4	4	5	18	8.3	2
Passion	3	3	3	4	19	8.45	1.85

* Poor pollination some tips not completely filled (noted from taste test not ear evaluation)

*** Should have harvested a little earlier

Flags 1 = no flags

Husk cover: 1 = no cover

Tip Fill: 1 = more than 2 inch gag

Overall Husk: 1 = no cover poor appearance

3 = somewhat attractive

3 = adequate tip cover

3 = 1 inch gap

3 = nice appearance

5 = long & attractive

5 = abundant tip cover

5 = complete to the end

5 = very good appearance

Table 12. Raw taste and appeal sh2 entries

2008 Northern Ohio Sweet Corn Evaluation (Taste & Appeal Sh2)

Varieties	Rowing	Tenderness	Sweetness	Flavor	Kernel Color	Taste Test (Public)
<u>Bi-Color Varieties</u>						
XTH 2171	4.5	4	5	5	5	X
Sweet Surprise	5	4	5	5	5	X
Brand 274A	5	5	5	5	4.5	X
Triumph	4	4	5	5	4	
Awesome	4	4	5	5	4	X
Fantastic	4	4	4	5	4	X
ACR MS 4012	5	5	5	5	5	X
ACR MS 5140	5	5	5	5	4	X
Seminis 5857	4	4	5	5	5	X
BSS 0808	4	4	4	4	5	
BSS 0977	5	3	4	4	4	X
ACX MS 7080	4	5	5	4	5	X
BSS 0982	4	5	5	5	4	X
BSS 0809	5	5	5	5	5	X
XTH 2280	4	3	5	5	4.5	
<u>White Varieties</u>						
Iceberg	5	4	3	2	4	
Accure	4	4	5	5	5	X
WSS 0987	5	3	5	5	4	
Devotion	5	4	5	5	4	X
<u>Yellow Varieties</u>						
GSS 2008	5	5	5	4.5	5	X
GSS 0966	4	3	5	5	5	
Accentuate	5	3	5	5	5	
Garrison	4	3	5	5	5	
Passion	4	3	5	5	5	X

Grading scales:

Rowing (straightness): 1 = no uniformity 3 = mostly straight 5 = straight & uniform

Color: 5 = bright 3 = average 1 = dull

Tenderness, Sweetness and Flavor were evaluated with raw sweet corn

Tenderness: 1 = tough 3 = somewhat tender 5 = very tender

Sweetness: 1 = bland 3 = somewhat sweet 5 = very sweet

X: Has been public taste tested results are listed in the back

Table 13. Brix Rating sh2

2008 Northern Ohio Sweet Corn Evaluation
Brix Ratings
Cold Storage

Varieties	Harvest Brix	3 Day Storage Brix	5 Day Storage Brix
<u>Bi-Color Varieties</u>			
XTH 2171	12.3	12.3	11.3
Sweet Surprise	15.3	11	11.6
Brand 274A	13.6	10	10.3
Triumph	14.3	16	11.6
Awesome	15	14	12
Fantastic	12	10.3	11.3
ACR MS 4012	13.3	12	10
ACR MS 5140	13	13	11.3
Seminis 5857	16.6	14	12
BSS 0808	14.6	19	18.3
BSS 0977	15	11.3	11.3
ACX MS 7080	14.3	10.3	11
BSS 0982	14.6	12.3	11.3
BSS 0809	19	16.3	19.6
XTH 2280	15.3	15.3	12.6
<u>White Varieties</u>			
Iceberg	12	10.3	10
Accure	14	12	9.6
WSS 0987	13.6	13	13.6
Devotion	13.6	13	12.3
<u>Yellow Varieties</u>			
GSS 2008	11.6	12.3	10
GSS 0966	14.3	13.3	14
Accentuate	13.6	12.3	12
Garrison	13	12.3	13.6
Passion	14	10.6	10.3

Brix results is a combination of three readings
1st is from the top of the ear 2nd is from the middle 3rd is from the bottom
Readings are then averaged and stated above.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **BRAND 274A**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		3	4	3
Size of Ear		2	3	5
Kernel Color		1	5	4
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		1	4	5
Sweetness	1	1	3	5
Flavor		2	4	4

Overall Experience: Size of ear – large This was good Kernels are very soft – broke when we shelled corn. Small kernels

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **AWESOME**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		6	3	3
Size of Ear	1	6	3	6
Kernel Color	1	1	4	5
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	1	5	5
Sweetness	1	1	4	6
Flavor	2		4	6

Overall Experience: Not very good Very good
 This corn was really sweet & very good

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **BSS 0977**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		4	3	6
Size of Ear	1	6	5	2
Kernel Color		3	5	4
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		2	6	5
Sweetness		5	6	2
Flavor		4	4	5

Overall Experience: Easy to husk. Great corn.

Best of the season with the exception of #33.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **ACR MS 5140 BC**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	2	2
Size of Ear	1	1	3	2
Kernel Color		1	4	2
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		1	2	3
Sweetness		1	3	2
Flavor		1	4	1

Overall Experience: Tender, excellent, great.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **ACR MS 4012 BC**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		3	4	2
Size of Ear		3	4	2
Kernel Color		1	5	1
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		2	2	4
Sweetness	1	1	3	3
Flavor	1	1	4	2

Overall Experience: Good – thanks for the Japanese Beetle!
 Kernel was a little on the soft side.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **ACX MS 7080 BC**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		1	2	5
Size of Ear			4	4
Kernel Color			1	7
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness			3	4
Sweetness			4	4
Flavor			4	4

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **SEMINIS 5857**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	2	2
Size of Ear		1	3	2
Kernel Color			3	3
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness			2	4
Sweetness			2	4
Flavor			3	3

Overall Experience: This is as good as it gets. Perfect each of corn! Very crisp & sweet!

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **BSS 0809**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		5	1	2
Size of Ear		5	1	2
Kernel Color		4	2	2
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	1	5	1
Sweetness	1	3	4	
Flavor	1	3	4	

Overall Experience:

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **FANTASTIC**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	7	
Size of Ear	1	1	7	
Kernel Color		1	8	
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		2	5	2
Sweetness	1	1	6	1
Flavor	1		7	1

Overall Experience: This was good corn. Loved the corn! It came off the husk very easily and was very tender & juice. Large ears for kids or elderly.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **XTH 2171**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color			8	4
Size of Ear			5	7
Kernel Color			6	6
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	2	1	4	5
Sweetness		2	4	6
Flavor	2		3	6

Overall Experience: Great flavor, tender, wish it was bigger. Appearance wise I expected it to be tough – it wasn't. Lots sweeter than we expected. Loved it. Too much silk!

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **SWEET SUPRISE**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	5	3
Size of Ear		3	4	3
Kernel Color		2	5	3
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		1	2	7
Sweetness		1	2	7
Flavor		1	3	7

Overall Experience: Excellent quality. Kernels could be bigger.
 Best tasting corn out of the three we tried. Among the best we've had.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **ACCURE**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		4	5	7
Size of Ear		4	6	5
Kernel Color	1	2	2	10
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		2	1	10
Sweetness		1	3	9
Flavor		1	2	10

Overall Experience: Best corn ever!
 We grilled outside, so that may have made less juicy, but wasn't very moist to start with.
 Best corn I've ever had – very tender – fell off the cob.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **DEVOTION**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color			3	7
Size of Ear			4	8
Kernel Color			4	8
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness			4	7
Sweetness			4	7
Flavor			3	8

Overall Experience:

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **GSS 2008**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	2	6
Size of Ear		2	1	7
Kernel Color		1	3	6
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	3	2	4
Sweetness		3	3	4
Flavor		4	1	5

Overall Experience: Very good
Just average taste

Big, good flavor – could be more tender

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **PASSION**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	6	4
Size of Ear		5	4	3
Kernel Color			8	4
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		2	7	3
Sweetness		2	5	5
Flavor		2	4	6

Overall Experience: Great Harder to husk but better tasting.
Not a lot of flavor

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **BSS 0982**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		3	6	1
Size of Ear	1	5	4	1
Kernel Color	1	2	5	3
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		5	4	2
Sweetness	1	5	3	1
Flavor		6	3	2

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **FRISKY**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color	1	5	8	1
Size of Ear	1	10	4	
Kernel Color	1	3	11	
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	5	7	2
Sweetness		6	6	3
Flavor		6	6	3

Overall Experience: Great taste but somewhat mushy. Best this year so far.
Pollinated unevenly, rows were strange, over-ripe?

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **HMX 6358 BES**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	5	3
Size of Ear		4	4	2
Kernel Color			6	4
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		6	2	2
Sweetness	2	3	2	3
Flavor	2	3	2	3

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **MONTAUK**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color	1	2	4	5
Size of Ear	1	2	2	8
Kernel Color	1	2	4	7
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	2	2	9
Sweetness		2	3	7
Flavor		5	3	6

Overall Experience: Pale in color. Corn silk over abundant. Not a lot of flavor.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **TRINITY**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		1	4	5
Size of Ear		1	5	4
Kernel Color			7	3
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		1	5	4
Sweetness		2	4	4
Flavor		2	4	4

Overall Experience: Not very sweet, Harder to shuck.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **OVATION**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	4	4
Size of Ear	1	5	4	3
Kernel Color	1	1	7	
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		1	6	1
Sweetness	2	4	2	1
Flavor		4	4	1

Overall Experience: Pale, less sweet, not as full, OK, but other tested better.
 Small ears and small kernels. Smaller kernel but very tasty.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **MONOMOY**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		3	6	3
Size of Ear	1	6	2	3
Kernel Color		4	6	2
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	4	3	4
Sweetness	2	2	6	2
Flavor	3	3	4	2

Overall Experience: Not very good. Tender & sweet, poor flavor.
 Ears small. Kernels small, no flavor.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **REVELATION**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		3	3	2
Size of Ear		4	2	2
Kernel Color		2	4	2
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		1	4	3
Sweetness		1	3	4
Flavor		1	4	3

Overall Experience: Enjoyed it. Didn't need butter.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **REFLECTION**
 Please rate each sample by the following criteria:
 Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		5	3	2
Size of Ear		4	2	1
Kernel Color		2	4	1
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		6	3	2
Sweetness	1	3	9	1
Flavor	2	4	7	1

Overall Experience: Taste like field corn.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **VITALITY**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color	1	5	9	5
Size of Ear	1	8	5	6
Kernel Color	1	3	9	5
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		7	6	5
Sweetness	1	7	5	4
Flavor	1	7	5	4

Overall Experience: Would definitely buy this corn, it was great! Excellent taste!

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **WH 1163**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		5		1
Size of Ear		1	4	1
Kernel Color			4	1
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		1	3	2
Sweetness		2	2	2
Flavor		2	2	2

Overall Experience: Kinda starchy Yum! Ears completely formed.

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **WH 0809**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		1	1	2
Size of Ear			2	2
Kernel Color		1	1	1
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness			1	2
Sweetness			2	2
Flavor			2	2

Overall Experience: The tenderness, sweetness & flavor of this corn was the best we've ever eaten. (2) EXCELLENT!

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **BSS 0808**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		2	5	2
Size of Ear		2	6	1
Kernel Color		2	7	
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	2	4	1
Sweetness	2	3	2	1
Flavor	2	2	3	1

Overall Experience: Nice color, fullness and taste
Moist & juicy

Very tender and good

2008 Northern Ohio Sweet Corn Evaluation



Public evaluation results for: **FASTLANE**

Please rate each sample by the following criteria:

Rating number maybe individual or family group

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		3	9	1
Size of Ear		4	6	3
Kernel Color		3	9	1
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	2	6	3	2
Sweetness		7	5	1
Flavor		7	5	1

Overall Experience:

Tastes like field corn (2)

Just a little disappointing

I think if this would have been picked a couple of days earlier, all checks would have been excellent.