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Northern Ohio Sweet Corn Evaluation – 2005

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Siegers
Seedway
Rispen
Rupp
Stokes
Rogers
Crookham
Seminis**
- **To the many volunteer taste testers and their families** for sampling the varieties and rating their observations.
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Northern Ohio Sweet Corn Evaluation - 2005

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. The objectives of the Northern Ohio Sweet Corn Evaluation were (1) to test and evaluate *sh₂* and *se* 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. Eighteen *se* varieties and twenty-three 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, midseason and pre-tassel stages
- Suckering
- Silk and harvest dates
- Snap rating (ease of ear removal from stalk)
- Ear height
- Final stand per 10 ft/row
- Marketable dozen per acre
- Marketable ears per stalk (one pull only)
- Flag appearance
- Husk cover
- Tip fill
- Rows of kernels/ear
- Ear color, length and diameter

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

Plots were established on May 10 & 11, 2005, in rows spaced 30" apart and at a seeding rate of 3 seeds per foot of row. On June 15, all varieties were hand thinned to establish a spacing of 8 to 10 inches between plants. All cultural practices and field operations are listed in Table 3. There was a noticeable difference between the *se* and *sh₂* from emergence to harvest. The *sh₂* were planted one day earlier than the *se* and had a better appearance though out the season. Seedling vigor (emergence), mid-season vigor and pre-tassel vigor ratings were taken along with silk date and harvest date (Tables 4, 9). Disease was not a problem in either of the plots evaluation was taken after all plots were harvested. (Tables 5, 10)

At harvest, ease of harvesting ear (snap rating), ear height, stand per 10 ft./row, marketable dozens per acre and marketable ears per stalk were recorded (Tables 6, 11). 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 7, 12).

As part of this years 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 for them and their family members. Most participants kept a record of the sample numbers and requested a list of the varieties at the end of the test. 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 8, 13). 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* entries

**2005 North Ohio Sweet Corn Evaluation
OARDC North Central Agricultural Research Station**

Varieties & Seed Companies

SE Trial Varieties

Bi-Color SE Varieties Supplier

Seneca Spring (68 day)	Stokes
Revelation (68)	Rispens
Nantasket (70 day)	Rupp
Polka (70)	Rupp
Renaissance (70 day)	Rispens
Temptation (72 day)	Speedway
Absolute (74 day)	Rupp
Kristine (74 day)	Crookham
Mystique (75 day)	Stokes
Montauk (80 day)	Rupp
BT 0805 (82 day)	Rogers
Cameo (84 day)	Rispens
Providence (84 day)	Rupp
Charm (86 day)	Rispens

White SE Varieties Supplier

Sugar Pearl (73 day)	Seigers
Misquamicut (78 day)	Seigers
Avalon (82 day)	Seigers

Yellow SE Varieties Supplier

Honey Select (79day)	Rogers
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Table 2. Varieties and seed suppliers for *sh2* entries

SH2 Trial Varieties

Bi-Color SH2 Varieties	Supplier
A&C 6802 (68 day)	A&C
Extra Tender 270A (70 day)	Siegers
Mirai 308 (71 day)	Siegers
Optimum (71 day)	Rispens
Double Up (72 day)	Seedway
Mirai 301 BC (76 day)	Siegers
Extra Tender 278A (78 day)	Seedway
BSS 0977A attribute (78 day)	Rispens
Obsession (79 day)	Seminis
Extra Tender 282A (82 day)	Stokes
Cavalry (82 day)	Rispens
EX 08716390 (day)	Seminis
White SH2 Varieties	Supplier
Extra Tender 372A	Stokes
Extra Tender 378A	Stokes
Extra Tender 382A	Stokes
EX 08705770 (83 day)	Seminis
Yellow SH2 Varieties	Supplier
A&C 6800 (68 day)	A&C
Extra Tender 173A (73 day)	Seedway
Sweet Sunrise (73 day)	Rispens
Sweet Shipper (75 day)	Rispens
Vision (75 day)	Seedway
Sweet Perfection (77 day)	Rispens
Passion (81 day)	Seminis
Mirai 002	Siegers

Table 3. Log of field operation for se entries

Harvest Protocol: Harvest center 2 rows of 4 row planted per / variety / Rep
 Harvest 10 feet per each of 2 rows in center of plot

2005 Log of Operations for SE Sweet Corn

Date	Project Leader	Project	Field ID	Description of Operation
10/1/2004	Koenig	SE sweet corn trial	HW	Applied 200# / @ 10-52-0 and 400# / @ 0-0-60 fertilizer
10/5/2004	Koenig	SE sweet corn trial	HW	Chisel Plowed
4/14/2005	Koenig	SE sweet corn trial	HW	Worked field with danishtine field cultivator
5/7/2005	Koenig	SE sweet corn trial	HW	Applied 300 lbs / @ of 28-0-0 nitrogen fertilizer
5/9/2005	Koenig	SE sweet corn trial	HW	Worked field with danishtine field cultivator
5/9/2005	Koenig	SE sweet corn trial	HW	Worked field with danishtine field cultivator
5/11/2005	Koenig	SE sweet corn trial	HW	Worked field with danishtine field cultivator
5/11/2005	Koenig	SE sweet corn trial	HW	laid out staked and drove plot area
5/11/2005	Koenig	SE sweet corn trial	HW	Planted SE sweet corn trial, 18 varieties, 4 rows / variety / Rep, applied 2 oz of Furadan 4F / 1000 linear feet of Row
5/11/2005	Koenig	SE sweet corn trial	HW	applied 1.25 pts / @ Dual II Magnum
5/12/2005	Koenig	SE sweet corn trial	HW	Made plot stakes for trial
5/18/2005	Koenig	SE sweet corn trial	HW	set out plot stakes
6/7/2005	Koenig	SE sweet corn trial	HW	sidedressed with 400# / @ 28-0-0
6/13/2005	Koenig	SE sweet corn trial	HW	cultivated
6/15/2005	Koenig	SE sweet corn trial	HW	Thinned stand and hoed and weeded
6/23/2005	Koenig	SE sweet corn trial	HW	set up irrigation, irrigated with 1.25 " of H2O, and broke down irrigation
7/6/2005	Koenig	SE sweet corn trial	HW	applied 7 oz / @ Asana XL
7/8/2005	Koenig	SE sweet corn trial	HW	hoed and weeded
7/11/2005	Koenig	SE sweet corn trial	HW	applied 10 oz . @ Ambush insecticide
7/14/2005	Koenig	SE sweet corn trial	HW	applied 3 oz / @ Warrior insecticide
7/19/2005	Koenig	SE sweet corn trial	HW	applied 3.5 oz/@ Spintor
7/25/2005	Koenig	SE sweet corn trial	HW	harvested and evaluated varieties: 30, 31, 32, 34, 40, & 41
7/26/2005	Koenig	SE sweet corn trial	HW	applied 8 oz./@ Asana XI
7/28/2005	Koenig	SE sweet corn trial	HW	walked and evaluated for harvest
7/29/2005	Koenig	SE sweet corn trial	HW	harvested and evaluated variety: 45
8/1/2005	Koenig	SE sweet corn trial	HW	harvested and evaluated varieties: 33, 42, 43, 46, 47, 39, 37, 44, & 35
8/5/2005	Koenig	SE sweet corn trial	HW	Harvested and evaluated variety: 38
8/15/2005	Koenig	SE sweet corn trial	HW	mowed off all plots
9/22/2005	Koenig	SE sweet corn trial	HW	mowed off all plots
9/22/2005	Koenig	SE sweet corn trial	HW	disked under all plots

Table 3. Log of field operations for SH2 entries

Harvest Protocol: Harvest center 2 rows of 4 row planted per / variety / Rep
 Harvest 10 feet per each of 2 rows in center of plot

2005 Log of Operations for SH2 Sweet Corn Trial

Date	Project Leader	Project	Field ID	Description of Operation
10/5/2004	Koenig	Sweet Corn SH2	HE	broadcast applied 200 lbs/@ 18-46-0 and 400 lbs/@ 0-0-60 fertilizer
10/6/2004	Koenig	Sweet Corn SH2	HE	Subsoiled and deep chiseled with JD 8320 tractor and 2700 Ripper
4/13/2005	Koenig	Sweet Corn SH2	HE	Worked with JD 6310 Tractor and Kongskilde danish-tine cultivator
4/14/2005	Koenig	Sweet Corn SH2	HE	Worked with JD 6310 Tractor and Kongskilde danish-tine cultivator
5/7/2005	Koenig	Sweet Corn SH2	HE	Broadcast applied 300 lbs / @ of 28-0-0 nitrogen
5/10/2005	Koenig	Sweet Corn SH2	HE	Worked plot area with Danish-tine and packer
5/10/2005	Koenig	Sweet Corn SH2	HE	Laid out plots, drove alleys
5/10/2005	Koenig	Sweet Corn SH2	HE	Planted SH2 trial with cone seeder, 24 varieties, used 2oz Furadan 4F /1000 ft of row
5/10/2005	Koenig	Sweet Corn SH2	HE	Applied 1 pt /@ Dual II Magnum herbicide
5/12/2005	Koenig	Sweet Corn SH2	HE	Made plot stakes for trial
6/6/2005	Koenig	Sweet Corn SH2	HE	Cultivated with Allis Challmers G
6/7/2005	Koenig	Sweet Corn SH2	HE	sidedressed plot with 400 lbs / @ of 28-0-0 fertilizer
6/15/2005	Koenig	Sweet Corn SH2	HE	Cultivated with Allis Challmers G
6/15/2005	Koenig	Sweet Corn SH2	HE	Thinned, hoed and weeded
6/28/2005	Koenig	Sweet Corn SH2	HE	setup, irrigated with 1.5 inches of H2O, breakdown irrigation
7/6/2005	Koenig	Sweet Corn SH2	HE	applied 7 oz / @ of Asana XL
7/8/2005	Koenig	Sweet Corn SH2	HE	hoed and hand weeded
7/11/2005	Koenig	Sweet Corn SH2	HE	applied 10 oz / @ Ambush
7/15/2005	Koenig	Sweet Corn SH2	HE	Laid out , irrigate with 1 inch of H2O, and breakdown irrigation
7/19/2005	Koenig	Sweet Corn SH2	HE	applied 3.5 oz / @ Spintor
7/22/2005	Koenig	Sweet Corn SH2	HE	Harvested and evaluated varieties 1, 2, 17
7/26/2005	Koenig	Sweet Corn SH2	HE	harvested and evaluated varieties 6, 9, 13, 18, 23, 24, 15, 19, 22
7/26/2005	Koenig	Sweet Corn SH2	HE	applied 8 oz / @ Asana XL
7/28/2005	Koenig	Sweet Corn SH2	HE	walked and evaluated for harvest
7/29/2005	Koenig	Sweet Corn SH2	HE	harvested and evaluated varieties 21, 7, 11, 3, 8, 12, 20
8/1/2005	Koenig	Sweet Corn SH2	HE	harvested and evaluated varieties 16, 5, 10, 4, 14

Table 4. Plant evaluation SE entries

2005 Northern Ohio Sweet Corn Trial

Bi-color Varieties	Seeding Vigor 5/27	Mid- Season 6/13	Pre-tassel 6/28	Suckers (1-3)	Silk Date (July)	Harvest Date
Seneca Springs	1.5	2.75	2.25	0	13	7/25
Revelation	2	2.5	2.75	1	13	7/25
Nantasket	2.5	3	3	0	18	7/25
Polka	1.5	2.25	2.75	0	13	7/25
Renaissance	1	2.75	2.5	1	13	7/25
Temptation	1.5	3.25	3	0	13	7/25
Absolute	2.25	3.25	3	1	18	8/1
Kristine	1.5	3	3	1	13	8/1
Mystique	1.5	2.75	2.75	2	13	7/25
Montauk	.5	2.75	3	1	18	8/1
BT 0805	1.25	2.5	2.75	1	20	8/5
Cameo	.25	2	2.25	0	18	8/1
Providence	1.75	2.75	3	1	18	8/1
Charm	1.5	2.5	2	1	18	8/1
White Varieties						
Sugar Pearl	.75	2	2.5	2	13	7/29
Misquamicut	1.25	2.5	2.75	1	18	8/1
Avalon	2	2.5	2.5	1	18	8/1
Yellow Variety						
Honey Select	1.5	2.5	2.75	0	18	8/1

Rating Scale:

Seeding Vigor (emergence): 1= poor 3=good (average) 5=outstanding

Mid season & Pre-tassel: 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

Table 5. Disease Evaluation SE entries

2005 Northern Ohio Sweet Corn Trial

Disease evaluation was done after harvest no treatments were needed.

Rust was seen on most varieties.

Bi-color Varieties	Gray Leaf Spot	Anthracnose	Rust	
Seneca Springs		X		
Revelation				
Nantasket	X			
Polka				
Renaissance				
Temptation				
Absolute	X			
Kristine	X	X		
Mystique		X		
Montauk	X			
BT 0805	X	X		
Cameo				
Providence	X			
Charm				
White Varieties				
Sugar Pearl				
Misquamicut				
Avalon	X			
Yellow Variety				
Honey Select	X			

Table 6 Harvest Data SE entries

2005 Northern Ohio Sweet Corn Trial

Bi-color Varieties	Snap (1 – 5)	Ear Height (Inches)	Stand Per/10ft	Marketable Dozen/ acre	Marketable Ears/stalk
Seneca Springs	3	15.6	16.1	1870	.86
Revelation	4	13.8	17.4	1706	.67
Nantasket	4	19.8	16.2	1597	.68
Polka	2.5	14.8	15.1.	1688	.76
Renaissance	3.5	14.2	16.1	1724	.84
Temptation	3.5	19.4	15.1	1761	.80
Absolute ***	3.5	23.2	15	1978	.91
Kristine ***	3	16.1	14.8	1851	.86
Mystique	2.8	15.8	15	1615	.74
Montauk	3.5	22.3	15.4	2087	.93
BT 0805	3	21.1	12.7	1888	1.02
Cameo	2.8	23.4	11.8	1379	.81
Providence	2.5	21.9	12.8	1870	1.01
Charm ***	3.5	17.5	13.3	1561	.81
White Varieties					
Sugar Pearl	3	18.8	13.4	1797	.92
Misquamicut	3	24.3	13.4	1997	1.02
Avalon ***	2.8	21.5	13.6	1888	.95
Yellow Variety					
Honey Select ***	2.8	21.1	15.4	2233	1.00

Snap ratings: 5 = very easy 3 = easy 1= hard to pull

*** Bird damage (several varieties had light to moderate damage)

Some goose necking was also observed nothing serve.

Marketable ear per stalk = marketable ears /stand (one pull only)

Table 7. Ear Evaluation SE entries

2005 Northern Ohio Sweet Corn Evaluation

Bi-color Varieties	Flags	Husk Cover	Tip Fill	Rows (AVG)	Raw Kernel Color	Length (Inches)	Diameter (Inches)
Seneca Springs	5	3	4	14	3	8.3	1.85
Revelation	5	3	4	16	4	7.6	1.85
Nantasket	5	3	4	16	2	8	1.65
Polka	2	3	5	14	2	7.6	1.85
Renaissance	5	4	5	13	3	8.4	1.8
Temptation	3	2	5	16	4	8.1	1.65
Absolute	4	1	4	16	4	8.8	1.75
Kristine	4	3	4	17	4	8	1.8
Mystique	3	4	5	13	3	8	1.75
Montauk	4	3	5	18	4	8.7	1.8
BT 0805	4	4	4	15	5	9.25	1.8
Cameo	4	2	4	17	3	8.75	1.9
Providence	2	2	4	15	3	9.3	1.55
Charm	3	3	4	18	2	8	1.7
White Varieties							
Sugar Pearl	4	3	5	15	5	7.4	1.75
Misquamicut	4	2	4	18	4	8.7	1.75
Avalon	5	3	4	17	4	8.8	1.7
Yellow Variety							
Honey Select	3	2	3	16	3	8.4	1.7

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

Color: 1 = Dull 3 = average & uniform 5 = bright excellent contrast

Table 9. Plant Evaluation for SH2 entries

2005 Northern Ohio Sweet Corn Evaluation

Bi-Color Varieties	Seeding Vigor 5/27	Mid-Season 6/13	Pre-Tassel 6/28	Suckers (0-3)	Silk Date (July)	Harvest Date
A&C 6802	2.75	3	2.3	.5	13	7/23
Extra Tender 270A	2.75	3.25	3	1.5	13	7/23
Mirai 308	2.25	2.75	2.6	1	13	7/29
Optimum	1.75	2.25	2.6	1.5	13	7/26
Double Up	2.25	3	2	0	18	7/26
Mirai 301 BC	2	3	3.3	.5	18	7/29
Extra Tender 278A	2.5	2.75	3.3	0	18	7/29
BSS 0977A	3	3.5	3	.5	18	8/1
Obsession	2.75	3	3	.5	18	8/1
Extra Tender 282A	2.25	2.5	2.6	1	18	8/1
Cavalry	2.25	3	2.6	1.5	18	7/29
EX 08716390	2.25	2.75	2.6	1	18	7/29
White Varieties						
Extra Tender 372A	1.75	3	2.6	1	13	7/26
Extra Tender 378A	1.75	2.75	2.6	.5	18	8/1
Extra Tender 382A	2.75	3	3	.5	18	8/1
EX 08705770	2.25	3	3	0	13	7/26
Yellow Varieties						
A&C 6800	2	3	2	0	13	7/23
Extra Tender 173A	2	2.5	2	1	13	7/26
Sweet Sunrise	2	3	3	.5	13	7/26
Sweet Shipper	2	2.25	2	1	13	7/26
Vision	2.5	3	2.6	.5	13	7/26
Sweet Perfection	2.25	3.25	2.6	0	13	7/26
Passion	1.75	2.25	3	1	18	7/29
Mirai 002	2	2	2.6	1	18	7/29

Rating Scale:

Seeding Vigor (emergence): 1= poor 3=good (average) 5=outstanding
 Mid season & Pre-tassel: 1=poor (weak) 3= average 5=outstanding
 Suckers: 0 = no suckers 1= few 2 = moderate 3= severe
 Silking date = 50% or more of plants silking

Table 10. Plant Disease evaluation SH2 entries

2005 Northern Ohio Sweet Corn Evaluation

Disease evaluation was done after harvest no treatments were need.

Rust could be found on most varieties

Bi-Color Varieties	Gray Leaf Spot	Anthracnose	Rust	
A&C 6802	X			
Extra Tender 270A	X			
Mirai 308	X	X		
Optimum	X			
Double Up				
Mirai 301 BC	X	X		
Extra Tender 278A				
BSS 0977A				
Obsession		X		
Extra Tender 282A				
Cavalry	X	X		
EX 08716390	X			
White Varieties				
Extra Tender 372A	X			
Extra Tender 378A				
Extra Tender 382A				
EX 08705770				
Yellow Varieties				
A&C 6800	X			
Extra Tender 173A				
Sweet Sunrise	X	X		
Sweet Shipper	X	X		
Vision	X	X		
Sweet Perfection	X			
Passion				
Mirai 002	X	X		

Table 11. Harvest Evaluation for SH2 entries

2005 Northern Ohio Sweet Corn Evaluation

Bi-Color Varieties	Snap (1- 5)	Ear Height (inches)	Stand Per/10ft	Marketable Dozen Per/acre	Marketable Ears/stalk
A&C 6802	3	19.7	14	1543	.76
Extra Tender 270A	3	15.7	14.8	1960	.91
Mirai 308 ***	3	22	15.5	2252.	1.00
Optimum	2.75	19.5	14	2015	.99
Double Up	3	20.1	14.7	1906	.89
Mirai 301 BC	3.25	24.3	15.2	2106	.95
Extra Tender 278A	3	23.4	15.7	2414	1.07
BSS 0977A	3	24.6	14.3	2160	1.04
Obsession	3.75	24.9	15.1	2559	1.16
Extra Tender 282A	3.5	28.3	15	2287	1.04
Cavalry	3.5	28.3	15.1	2196	1.00
EX 08716390 ***	3.5	25.6	14.1	1978	.96
White Varieties					
Extra Tender 372A	3.25	20.8	16.1	2015	.86
Extra Tender 378A	3.5	25.1	14.8	2632	1.22
Extra Tender 382A	3	27.6	14.9	2323	1.07
EX 08705770	4	17.7	17.8	2178	.84
Yellow Varieties					
A&C 6800	3	19.5	14.5	1615	.77
Extra Tender 173A	2.5	21	16.1	2069	.88
Sweet Sunrise	2.25	20.7	14.2	1997	.96
Sweet Shipper	1.75	20.7	15	2178	1.00
Vision	4	19.1	16.6	2360	.98
Sweet Perfection	3.5	18.5	15.2	1997	.90
Passion ***	3.75	25.1	13.5	2160	1.10
Mirai 002 ***	2.75	23.5	14.3	2051	1.05

Snap ratings: 5 = very easy 3 = easy 1= hard to pull

*** Bird damage (several varieties had light to moderate damage)

Some goose necking was also observed nothing serve.

Marketable ear per stalk = marketable ears /stand (one pull only)

Table 12. Ear Evaluation for SH2 entries

2005 Northern Ohio Sweet Corn Evaluation

Bi-Color Varieties	Flags	Husk Cover	Tip Fill	Rows	Raw Kernel Color	Length	Diameter
A&C 6802	3	3	5	16	4	7.6	1.8
Extra Tender 270A	5	3	5	16	3	8.0	1.95
Mirai 308	4	1	5	16	5	8.2	1.7
Optimum	4	4	4	16	3	7.45	1.8
Double Up	4	2	5	16	2	8.6	1.75
Mirai 301 BC	3	5	5	16	4	8.3	1.9
Extra Tender 278A	4	3	5	18	3	7.8	1.65
BSS 0977A	2	3	5	13	4	7.1	1.55
Obsession	4	2	5	19	5	8.25	1.75
Extra Tender 282A	4	3	4	18	4	7.7	1.85
Cavalry	4	3	5	18	4	7.1	1.6
EX 08716390	4	2	4	18	3	8.3	1.6
White Varieties							
Extra Tender 372A	4	3	5	16	3	8	1.9
Extra Tender 378A	5	2	5	18	4	7.45	1.8
Extra Tender 382A	2	2	4	18	4	7.9	1.8
EX 08705770	2	2	4	19	4	7.85	1.8
Yellow Varieties							
A&C 6800	5	1.5	5	15	3	8	1.8
Extra Tender 173A	5	2	5	18	5	7.4	1.75
Sweet Sunrise	3	2	5	17	3	8	1.65
Sweet Shipper	3	2	5	17	3	8	1.65
Vision	4	3	4	19	5	8.1	1.8
Sweet Perfection	3	3	5	18	4	8.1	1.8
Passion	4	2	4	18	3	8.3	1.6
Mirai 002	4	4	5	14	4	8	1.8

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 gap 3 = 1 inch gap 5 = complete to the end
Color: 1 = Dull 3 = average & uniform 5 = bright excellent contrast

Table 13. Raw Taste and Appeal Evaluation for SH2 entries

2005 Northern Ohio Sweet Corn Evaluation

Bi-Color Varieties	Rowing	Tenderness	Sweetness	Taste Test (Public)
A&C 6802	4	4	3.5	
Extra Tender 270A	3	4	3	
Mirai 308	4	4	5	
Optimum	3	3	3	
Double Up	4	3	2	
Mirai 301 BC	3	4	5	
Extra Tender 278A	3	4	5	
BSS 0977A	3.5	2	4	
Obsession	4	4	4.5	X
Extra Tender 282A	3	4	4	X
Cavalry	2	3	3	
EX 08716390	3	3	3	
White Varieties				
Extra Tender 372A	3	4	4	X
Extra Tender 378A	3	4.5	5	X
Extra Tender 382A	4.5	4	5	X
EX 08705770	3	3	4	
Yellow Varieties				
A&C 6800	4	5	3.5	
Extra Tender 173A	4	5	5	X
Sweet Sunrise	5	5	5	X
Sweet Shipper	4	3	3	
Vision	4	4	3	
Sweet Perfection	3	4	4	
Passion	4	4	4	
Mirai 002	3	5	5	X

Grading scales:

Rowing (straightness):	1 = no uniformity	3 = mostly straight	5 = straight & uniform
Tenderness:	1 = tough	3 = somewhat tender	5 = very tender
Sweetness:	1 = bland	3 = somewhat sweet	5 = very sweet

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria:

Mystique (se)

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		7	7	6
Size of Ear	6	5	4	6
Kernel Color	1	10	3	6
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	9	4	6
Sweetness	1	8	5	6
Flavor	3	7	5	5

Overall Experience:

Very Tasty

Asked for Seconds

Small kernels, Just Ok Not Great

Corn tasted like the cob, could have matured a little more

This variety had a very tender texture and delicious juicy buttery favor

Very Good

Not fit for pig

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria:

Absolute (se)

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

Overall Experience:

Insect damage, not as good as "33" but still very good

Best we've ever had

This ear was not completely filled out, not very pleasing to look at

We all really loved and enjoyed it

The hair was really hard to pull from ear

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria:

Revelation (se)

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

Overall Experience:

Excellent, very tender & flavorful

Mushy kernel

Very excellent taste, crispness & flavor

Amazed at the way the silk came off so easily and completely

Corn was a little “young”, maybe better if a little more mature

Tiny kernels

Ear a little coarse

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria:

Sugar Pearl (se)

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

Overall Experience:

Part of ear was very tender other part not quite so

Best

One white, others were bi-colored

Cooked in microwave, ears were filled out, overall was good corn

Not very sweet at all, size small, brown on tips, kernel sunk in.

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria:

Montauk (se)

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		1	8	9
Size of Ear		1	5	12
Kernel Color			7	11
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness			7	11
Sweetness	1	1	6	10
Flavor		2	6	10

Overall Experience:

Very nice size ear, very good flavor

Fair

It was fantastic best this year

Flavor wonderful

Best corn we ever ate! Thank You

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria:

Extra Tender 282A (SH2)

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

Overall Experience:

Sweet Corn served at Vegetable Crops Field Day

I don't like corn, and I loved this

I like this variety very much

Small kernels (too small)

Kernels could be a little larger

Very Good

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria: **Extra Tender 372A (SH2)**

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		3	9	5
Size of Ear		10	6	1
Kernel Color	1	3	11	2
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	1	5	7	4
Sweetness	1	5	6	5
Flavor	1	6	7	3

Overall Experience:

Very tender, pretty good taste
 Flavor was not too good and it was tough
 Ears were small, tender, flavor not good
 Smaller kernels than normal, but very good
 Did not care for this variety

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria: **Extra Tender 382A (SH2)**

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

Overall Experience:

Sweet corn served at Vegetable Crops Field Day
 Little bigger kernels
 Not Very Tasty
 Enjoyed the Day, Thank You

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria: **Extra Tender 173A (SH2)**

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color	1	7	13	3
Size of Ear	2	8	12	1
Kernel Color	2	2	15	4
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness	4	3	12	4
Sweetness	5	6	8	4
Flavor	5	7	7	4

Overall Experience:

Wonderful
Ears seemed to shine
Taste like dirt would not buy
I would not buy this corn
Good taste – small kernels
It's ok I have had better

Color was good, so was the flavor. It was also very tender
Very, Very Good

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria: **Extra Tender 378A (SH2)**

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

Overall Experience:

These ears will either take more time to fill out & sweeten up, or it's just bad corn
Very underdeveloped
One of the Best
One of the Best along with EXT 5
Very Good
Ear could have been better developed and taste could have sweeter, not as good as others

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria:

Mirai 002 (SH2)

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

Overall Experience:

One ear was small, not filled out very good
 Filled out nice, size good, wonderful flavor
 Ok
 Pretty good just a little bitter taste to it

Northern Ohio Sweet Corn Evaluation

Thanks for your help with the Sweet Corn Variety Evaluation.

Please rate each sample by the following criteria:

Sweet Sunrise (SH2)

Appearance:	Poor	Acceptable	Very Good	Excellent
Husk color		3	13	3
Size of Ear		9	10	
Kernel Color		2	13	3
Taste:	Poor	Acceptable	Very Good	Excellent
Tenderness		6	10	3
Sweetness	1	13	3	2
Flavor	2	9	5	2

Overall Experience:

Looked better than tasted
 Was more bi-colored than yellow
 Kernels seemed smaller than were use to
 Good Taste
 Taste was a bit lacking but overall good
 Ears were a bit small, ok flavor, but not very sweet

