

2020 SH₂ Sweet Corn

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Sweet corn is an important crop in both the fresh market and shipping market in North Central Ohio, where a significant percentage of Ohio vegetables are grown. Many different varieties of sweet corn are grown by producers with fresh market roadside stands, and still others are grown for early, mid, and late season shipping and processing markets, meaning growers demand a diverse selection of sweet corn varieties and maturities. Growers have indicated this diversity should focus on SH₂ varieties with different stages of maturity, and variance in other traits. Many new varieties are becoming available to meet these grower demands, and this study sought to determine which ones would perform acceptably in Northern Ohio, and which would have the desired traits growers are seeking. For this trial, 34 SH₂ varieties were grown in 4 replicated plots at the Ohio State University's North Central Agricultural Research Station near Fremont, Ohio.

Materials and Methods

The purpose of this trial was to evaluate a significant number of newer varieties of sweet corn, helping seed companies determine which varieties would be suitable to continue breeding and developing for commercial seed sales, and helping growers determine which currently available varieties would be best suited for their specific market demands, including fresh market, shipping, and processing.

Growers and seed companies suggested varieties to be grown, with a strong preference for inclusion given to new and experimental varieties, for comparison alongside industry standard varieties. The evaluation used four replicated plots, grown under best management practices, to give growers a fair comparison of the different varieties grown on lakebed soils, within a normal Northern Ohio growing season. Plots were planted in 30-foot rows, with blocks of 2 rows per variety, replicated 4 times, with randomized variety location within each replication. 2 row boundaries of variety 274A were planted between each test variety. This change was made this year to accommodate worker protection. After germination and stand counts, rows were trimmed to 25 feet. Plots were not thinned this year.

The SH₂ trial was conducted on Colwood fine sandy loam soil on field HE of the North Central Agricultural Research Station. Best management practices were utilized prior to and during the trial. On October 25, 2019 the test site was disked and seeded to a cover crop of winter wheat. The cover crop was terminated on April 23, 2020 using a treatment of 32 oz/acre Roundup Powermax and 8 oz/acre Choice Weathermaster. On May 4, 2020 dry fertilizer consisting of 250 lbs./acre 46-0-0, 100 lbs./acre 10-52-0, 500 lbs./acre 0-0-60, and 10 lbs./acre 10% granular boron was spread on the test site. The site was worked the following day using a disk-chisel. On May 6, 2020 the test site was finish tilled using a Landoll Finish-All with rolling baskets. A rain event occurred following soil preparation, so a final light tillage was performed on 5/12/2020 with a Kongslide Danish tine finisher and packer.

On May 27, 2020 the test plot was planted in 30" rows using a John Deere 7000 planter with Almaco units for the test varieties. The boundary rows were planted using standard John Deere 7000 finger units. A herbicide application of 20 oz/acre Dual II Magnum, 22 oz/acre Roundup Powermax, 8 oz/acre Choice Weathermaster and a drift guard was made immediately after planting. On June 12, 2020, the plot was cultivated using a Danish tine cultivator. Test plot was side dressed with 40 gallons/acre 28% N on June 15, 2020 and was cultivated with a Danish tine cultivator immediately after.

A second herbicide application consisting of 16 oz/acre Basagran, 16 oz/acre Atrazine 4L, and 27 oz/acre Crop Oil. On 6/24/2020 the plot was cultivated for weed control and aeration.

Because of adverse conditions directly after planting, stands were less than desirable for many varieties. On June 25, 2020 stand counts were made on every plot. Those stands can be seen in Table 1 of report. Although poor stand counts do not necessarily indicate that a particular variety performs poorly under stressful conditions,

it is a good indication of the strength of a particular seed lot. In our plot 4 test varieties were of particular concern in terms of emergence.

Electric fence was installed around the entire trial on July 13 to protect against wildlife damage. No fungicide applications were made.

Insecticide applications were made as follows:

July 8

- 1.92 oz/acre Warrior II
- 6 oz/acre Radiant

July 13

- 6 oz/acre Radiant

July 17

- 5 oz/acre Coragen

July 21

- 5 oz/acre Coragen

July 24

- 10 oz/acre Hero

August 5

- 5 oz/acre Coragen

August 7

- 1.92 oz/acre Warrior II

Harvest data was collected from all rows of test varieties. Harvest dates can be found in Table 1.

Sweet corn plants were evaluated at harvest for the following characteristics, which are summarized in the tables: ease of harvesting ear (snap rating), ear height, stand population, harvested dozens per acres, and marketable dozens per acre. Immediately following harvest, 5 random marketable ears per variety were evaluated for flags, husk cover, tip fill, number of kernel rows/ear, kernel color, ear length, ear diameter, tenderness, sweetness, and overall flavor.

Results and Discussion

Results of the harvest and ear evaluation for each variety of sweet corn can be seen in the tables below, with total harvest data compiled and averaged from all four plots harvested. When interpreting yield data, it should be noted that populations varied significantly in our plot this season. Populations in the plot were less than ideal due to adverse conditions soon after planting. Yields did not necessarily reflect this however. Many of the varieties that had a low stand count produced multiple ears.

In determining the ear evaluation scores, a team of 5 individuals, including the principal investigator and 2 members of the research station staff and two student employees each made their individual rankings on the 5 ears for each characteristic, and the final reported value was the combined average individual scores. This process held true for the tenderness, sweetness, and overall flavor scores as well, determined by raw taste testing of the 5 aforementioned individuals.

Rainfall (in inches) from planting May 27 to August 12 –

May 29- .2

June 5 - .5

June 9 - .01

June 10 - .5

June 13 - .2

June 21 - .15

June 23 - .6

June 27 - .1

July 1 - irrigated with 1.0” water

July 8 - .05

July 9 - irrigated with 1.0” water

July 10 - .1

July 12 - .3

July 16 - .1

July 19 - .35

July 22 - .35

July 23 - .1

July 26 - .45

July 28 - .4

August 1 - .9

August 10 - .05

TOTAL: 7.0 (includes 2” irrigation)

Table 1. Variety characteristics, emergence, observed maturity, and individual ear yield. All varieties planted on May 27, 2020.

Variety #	Variety Name	Color	Listed Maturity	Harvest Date	Observed Maturity	Population data row	Harvested Ears	Marketable Ears
1	Coastal	bi-color	77	8/7	72	20,000	69	68
2	Apollo	bi-color	81	8/12	77	17,000	86	88
3	SVSA 0313	bi-color	74	8/5	70	20,000	68	66
4	SAVSA0646	bi-color	79	8/7	72	17,000	69	66
5	SVSA7611	bi-color	73	8/3	68	16,000	63	61
6	EX08767143	bi-color	80	8/10	75	14,000	66	65
7	Takeoff	yellow	69	8/3	68	18,000	55	53
8	Freedom	white	73	8/3	68	20,000	65	64
9	Kickoff	bi-color	69	7/31	65	14,000	44	42
10	Xtra Tender 20173	bi-color	73	8/3	68	18,000	64	63
11	Xtra Tender 274A	bi-color	74	8/3	68	20,000	68	67
12	American Dream	white	77	8/10	75	12,000	58	55
13	Caliber	bi-color	75	8/5	70	20,000	74	72
14	Catalyst	bi-color	66	7/31	65	19,000	59	57
15	XTH 3674	white	74	8/5	70	20,000	65	63
16	Xtra Tender 1572	yellow	72	8/3	68	19,000	77	76
17	Anthem XR	bi-color	73	8/4	69	21,000	73	72
18	Bullet	yellow	76	8/4	69	15,000	64	62
19	2578XR	bi-color	78	8/10	75	18,000	73	70
20	Sprinter XL	yellow	68	7/31	65	19,000	61	59
21	Platinum	white	80	8/12	77	17,000	62	61
22	BSS32198	bi-color	80	8/12	77	19,000	68	65
23	Crave	bi-color	79	8/10	75	18,000	67	65
24	BSS32755	bi-color	79	8/10	75	17,000	64	63
25	BSS37115	bi-color	74	8/5	70	20,000	79	76
26	HMX59YS826	yellow	75	8/5	70	20,000	59	58
27	Cumberland	bi-color	75	8/4	69	17,000	65	64
28	Rosie	bi-color	74	8/4	69	20,000	64	62
29	Flagler	bi-color	76	8/7	72	19,000	70	68
30	Solstice	bi-color	70	7/31	65	20,000	57	57
31	Nirvana	bi-color	75	8/3	69	19,000	68	67
32	Everglades	bi-color	76	8/10	75	19,000	74	73
33	Grizzly	bi-color	79	8/12	77	18,000	70	68
34	Eden RMN 3	white	75	8/4	69	18,000	70	70

Table 2. Harvest Data. Populations varied significantly. Plots were not thinned as in past years.

Variety #	Variety Name	Ear Height (in.)	Snap	Harvested Dozen/acre	Marketable Dozen/acre
1	Coastal	26	3.0	2,001	1,972
2	Apollo	37	3.0	2,494	2,552
3	SVSA 0313	22	3.0	1,972	1,914
4	SAVSA0646	26	3.5	2,001	1,914
5	SVSA7611	21	3.5	1,827	1,769
6	EX08767143	26	4.0	1,914	1,885
7	Takeoff	23	3	1,595	1,537
8	Freedom	26	3	1,885	1,856
9	Kickoff	24	3	1,276	1,218
10	Xtra Tender 20173	18	3.5	1,856	1,827
11	Xtra Tender 274A	21	3.75	1,972	1,943
12	American Dream	28	4.0	1,682	1,595
13	Caliber	25	2.5	2,146	2,088
14	Catalyst	23	3.5	1,711	1,653
15	XTH 3674	24	3.0	1,885	1,827
16	Xtra Tender 1572	22	3.25	2,233	2,204
17	Anthem XR	23	3.25	2,117	2,088
18	Bullet	26	2.75	1,856	1,798
19	2578XR	26	3.75	2,117	2,030
20	Sprinter XL	20	3.75	1,769	1,711
21	Platinum	24	3.5	1,798	1,769
22	BSS32198	28	4	1,972	1,885
23	Crave	23	3.5	1,943	1,885
24	BSS32755	21	3.0	1,856	1,827
25	BSS37115	23	4	2,291	2,204
26	HMX59YS826	28	2.75	1,711	1,682
27	Cumberland	21	3	1,885	1,856
28	Rosie	19	3.5	1,856	1,798
29	Flagler	26	2.5	2,030	1,972
30	Solstice	18	3.5	1,653	1,653
31	Nirvana	18	4.5	1,972	1,943
32	Everglades	28	3.5	2,146	2,117
33	Grizzly	27	3.25	2,030	1,972
34	Eden RMN 3	21	3	2,030	2,030

Ear Height = Height in inches

Snap Rating = 1 difficult

5 easy

Table 3. Ear Evaluation. *All data is reported as the average rating of 10 ears from each variety

Variety #	Variety Name	Husk Cover	Flags	Overall Husk	Shank	Tip Fill	Rows *	Rowing	Color	Length (inches)	Diameter (inches)
1	Coastal	2.0	2.5	2.5	2.0	4.0	16-18	2.5	4.0	8.9	1.9
2	Apollo	1.5	3.0	3.0	2.5	3.5	16-18	2.5	3.5	8.1	1.9
3	SVSA0313	3.0	3.5	3.0	3.0	3.5	16-18	2.75	3.75	8.4	1.8
4	SAVSA0646	3.0	3.0	3.0	4.0	4.0	14-16	4.0	3.75	8.8	1.8
5	SVSA7611	2.75	3.5	3.0	4.25	3.5	16	2.75	4.0	8.3	1.9
6	EX08767143	1.25	3.0	2.5	3.5	2.5	16-18	3.25	3.0	8.8	1.8
7	Takeoff	2.0	2.5	2.5	4.0	4.0	16	4.0	4.0	9.2	2.0
8	Freedom	2.0	4.9	3.0	4.5	4.0	16-18	3.25	4.0	8.5	2.0
9	Kickoff	2.0	3.75	3.5	2.75	2.75	16-18	3.5	4.0	9.3	2.0
10	Xtra Tender 20173	2.25	3.0	3.25	3.0	4.0	16-18	4.0	4.0	8.1	1.9
11	Xtra Tender 274A	2.75	3.0	3.0	3.0	3.0	16-18	2.75	3.5	8.8	2.0
12	American Dream	1.0	3.0	1.5	3.5	3.5	16	2.0	3.25	8.0	2.0
13	Caliber	2.0	3.5	3.0	3.0	4.0	16-18	2.75	3.0	8.5	2.0
14	Catalyst	2.0	3.25	3.25	3.0	4.0	14-16	3.0	4.0	8.5	1.9
15	XTH 3674	2.0	3.25	3.25	2.5	4.0	16-18	4.0	3.0	8.2	1.8
16	Xtra Tender 1572	2.0	3.5	3.0	2.75	4.0	16	4.0	4.0	8.9	1.9
17	Anthem XR	2.5	4.0	3.5	4.0	4.0	14-16	3.25	3.5	8.6	1.8
18	Bullet	3.0	4.0	3.5	2.0	4.0	16-18	4.0	4.0	8.7	1.9
19	2578XR	1.5	2.5	2.0	2.25	3.0	16-18	2.0	3.75	8.7	1.9
20	Sprinter XL	3.0	3.0	3.0	3.0	3.0	14	3.25	3.75	7.8	1.8
21	Platinum	1.25	4.25	3.0	2.5	3.25	16-18	2.25	3.0	8.5	1.9
22	BSS32198	1.25	3.0	3.0	2.5	3.5	16-18	3.25	3.0	8.8	2.0
23	Crave	1.75	3.0	2.0	2.5	3.75	16-18	2.0	3.5	8.0	2.0
24	BSS32755	1.5	3.0	3.0	3.0	3.5	16-18	2.25	3.0	8.0	1.9
25	BSS37115	1.25	2.5	2.0	2.0	4.0	16-18	3.25	3.25	8.3	1.9
26	HMX59YS826	2.0	4.0	3.25	4.0	4.5	18-20	2.0	4.0	8.3	1.9
27	Cumberland	1.75	3.0	2.75	2.0	3.5	14-16	3.5	3.25	9.0	1.9
28	Rosie	1.75	3.5	3.0	3.5	3.25	16-18	2.5	4.0	8.9	2.1
29	Flagler	2.0	2.25	2.25	3.0	3.75	16-18	2.5	3.75	8.8	1.9
30	Solstice	3.0	4.5	4.0	3.0	4.0	14-16	4.0	4.0	8.2	1.9
31	Nirvana	2.25	2.5	2.75	3.0	4.0	14-16	3.25	3.25	8.2	1.9
32	Everglades	1.25	2.75	2.0	3.25	3.5	16-18	2.25	4.0	8.4	1.8
33	Grizzly	1.5	3.0	2.0	3.75	3.5	14-16	3.0	3.75	8.0	1.9
34	Eden RMN 3	1.75	2.5	3.0	3.5	3.5	14-16	4.0	3.75	8.1	1.8

Rating Scale for Table 3 *All scores are reported as the average of 10 ears from each variety

Rating Scale	1	3	5
Husk Cover (at tip)	Exposed	2 fingers of cover	4 fingers of cover
Flags	None	Noticeable/attractive	Many, long, attractive
Overall Husk	Poor	Good	Outstanding
Shank	Short	Average	Long
Tip Fill	2 in. blank	1 in. blank	Complete
Rows	number of rows around entire cob		
Rowing	Scrambled	Mainly straight	All straight
Color	Dull/flat	Average	Bright/attractive
Length	measured from tip to base of shank with husk removed		
Diameter	measured at center of cob with husk removed		

Table 4. SH2 Ear Evaluation. *All data is reported as the average rating of 5 ears from each variety

Variety #	Variety Name	Tenderness	Sweetness	Flavor
1	Coastal	2.5	2.25	2
2	Apollo	2.25	2.5	3
3	SVSA0313	3.25	2.25	2.25
4	SAVSA0646	2.5	2	1.75
5	SVSA7611	1.75	2.25	1.75
6	EX08767143	2.0	2.5	2.5
7	Takeoff	2.5	2.75	2
8	Freedom	3.25	3	3
9	Kickoff	4	4	3.5
10	Xtra Tender 20173	3.25	3.25	3
11	Xtra Tender 274A	3	2.25	1.75
12	American Dream	2.75	3	3.5
13	Caliber	2.75	3	3
14	Catalyst	2	3.75	2
15	XTH 3674	2.25	2.5	2.25
16	Xtra Tender 1572	3.25	2.75	3.25
17	Anthem XR	2.5	1.5	1.0
18	Bullet	3.0	2.25	2.5
19	2578XR	3.5	2.75	3
20	Sprinter XL	2.5	3.0	2.5
21	Platinum	3	3.25	2.5
22	BSS32198	2.25	2.25	2
23	Crave	3.75	3.5	3.25
24	BSS32755	3.5	3.5	3.75
25	BSS37115	2.75	3.25	3.25
26	HMX59YS826	3.25	3.0	3.0
27	Cumberland	2.75	2.25	2.5
28	Rosie	3.5	3.75	4
29	Flagler	2.75	3.25	3
30	Solstice	4	4	4
31	Nirvana	4	4	4
32	Everglades	2	2.5	2
33	Grizzly	2	3	2.5
34	Eden RMN 3	3.75	4	4

Rating Scale for Table 4

Rating Scale	1	3	5
Tenderness	Tough	Average	Very tender
Sweetness	Starchy/bland	Average	Very sweet/sugary
Flavor	Poor	Good	Outstanding

*All scores are reported as the rating of 5 ears from each variety.

2020 Log of Operations for Gastier SH2 corn

Date	Project Leader	Project	Field ID	Description of Operation	Staff # & hours	Total Staff hours	Seasonal Staff # and hours	Total Seasonal Staff hours
10/25/2019	Gastier	SH2 Sweet Corn	HE	Disked and cultipacked whole field	1-5	0.5		
10/25/2019	Gastier	SH2 Sweet Corn	HE	Drilled cover crop wheat at 1/bu/acre	1-5	0.5		
4/7/2020	Gastier	SH2 Sweet Corn	HE	trial received .2 inches of rainfall				
4/8/2020	Gastier	SH2 Sweet Corn	HE	trial received .55 inches of rainfall				
4/13/2020	Gastier	SH2 Sweet Corn	HE	trial received .1 inches of rainfall				
4/15/2020	Gastier	SH2 Sweet Corn	HE	trial received .05 inches of rainfall				
4/17/2020	Gastier	SH2 Sweet Corn	HE	trial received .35 inches of rainfall				
4/21/2020	Gastier	SH2 Sweet Corn	HE	trial received .05 inches of rainfall				
4/23/2020	Gastier	SH2 Sweet Corn	HE	Herbicide application - 32oz/A Roundup Powermax and 8 oz/A Choice Weathermaster	1-5	0.5		
4/23/2020	Gastier	SH2 Sweet Corn	HE	trial received .05 inches of rainfall				
4/26/2020	Gastier	SH2 Sweet Corn	HE	trial received .4 inches of rainfall				
4/27/2020	Gastier	SH2 Sweet Corn	HE	trial received .05 inches of rainfall				
4/30/2020	Gastier	SH2 Sweet Corn	HE	trial received .05 inches of rainfall				
4/30/2020	Gastier	SH2 Sweet Corn	HE	made envelopes for packaging seed - 9 envelopes/variety	1-4.0	4		
5/1/2020	Gastier	SH2 Sweet Corn	HE	trial received .1 inches of rainfall				
5/4/2020	Gastier	SH2 Sweet Corn	HE	broadcasted 250 lbs / acre 46-0-0, 100 lbs / acre 10-52-0, 500 lbs / acre 0-0-60 and 10 lbs / acre of 10 lbs / acre of 10% Boron with Andersons fertilizer cart	1-5	0.5		
5/5/2020	Gastier	SH2 Sweet Corn	HE	Disk chiseled plot area with JD 6150M tractor and Duetz-Allis disk chisel	1-5	0.5		
5/5/2020	Gastier	SH2 Sweet Corn	HE	started packaging seed 40 seeds/envelope 9 envelopes /variety			1-6.5	6.5
5/6/2020	Gastier	SH2 Sweet Corn	HE	worked with JD 6130M and Landoll finish-all with rolling baskets	1-1.0	1		
5/7/2020	Gastier	SH2 Sweet Corn	HE	finished packaging seed for trial			1-4.0	4
5/10/2020	Gastier	SH2 Sweet Corn	HE	trial received .3 inches of rainfall				
5/12/2020	Gastier	SH2 Sweet Corn	HE	worked plot area with JD 7210, Danishtine field cultivator and packer	1-1.5	1.5		
5/12/2020	Gastier	SH2 Sweet Corn	HE	laid out flagged and drove plot areas marking from and rear of all trials	2-1.0	2		
5/14/2020	Gastier	SH2 Sweet Corn	HE	trial received .45 inches of rainfall				
5/15/2020	Gastier	SH2 Sweet Corn	HE	trial received 1.35 inches of rainfall				
5/15/2020	Gastier	SH2 Sweet Corn	HE	made plot stakes for trial			1-3.0	3
5/17/2020	Gastier	SH2 Sweet Corn	HE	trial received .2 inches of rainfall				
5/18/2020	Gastier	SH2 Sweet Corn	HE	trial received .75 inches of rainfall				
5/19/2020	Gastier	SH2 Sweet Corn	HE	trial received .1 inches of rainfall				
5/21/2020	Gastier	SH2 Sweet Corn	HE	trial received .2 inches of rainfall				
5/22/2020	Gastier	SH2 Sweet Corn	HE	trial received .05 inches of rainfall				
5/27/2020	Gastier	SH2 Sweet Corn	HE	Planted trial (34 varieties) with JD 6310 and 4 row JD 7000 planter with Almaco cone units. 7 tooth sprocket on driver and 11 tooth sprocket on driven planted 29.58ft. Rows 2 and 3 were almaco cone units and Rows 1 and 4 were JD finger pickup units with extra tender 274A for guards seeding rate of approximately 16,600 plants/A Mike Gastier here helping	1-2.0	2	2-2.0	4
5/27/2020	Gastier	SH2 Sweet Corn	HE	Staked trial after planting	1-5	0.5	3-5	1.5
5/27/2020	Gastier	SH2 Sweet Corn	HE	Herbicide application - 20 oz/A Dual Magnum, 22 oz/A Roundup Powermax, 8 oz/A Choice weathermaster and .5%v/v Clasp(10.96oz/A) Drift guard	1-7.5	0.75		
5/29/2020	Gastier	SH2 Sweet Corn	HE	trial received .2 inches of rainfall				
6/5/2020	Gastier	SH2 Sweet Corn	HE	trial received 0.5 inches of rainfall				
6/9/2020	Gastier	SH2 Sweet Corn	HE	trial received .01 inches of rainfall				
6/10/2020	Gastier	SH2 Sweet Corn	HE	trial received 0.5 inches of rainfall				
6/12/2020	Gastier	SH2 Sweet Corn	HE	cultivated with Kubota L3430 and 2 row Danishtine cultivator	1-1.25	1.25		
6/13/2020	Gastier	SH2 Sweet Corn	HE	trial received .2 inches of rainfall				
6/15/2020	Gastier	SH2 Sweet Corn	HE	sidedressed trial with 40 gal or 400 lbs / acre of 28-0-0or 112 units of nitrogen	1-7.5	0.75		
6/17/2020	Gastier	SH2 Sweet Corn	HE	Herbicide application - 16 oz/A Basagran, 16 oz/A Atrazine 4L and 27oz/A Crop oil	1-7.5	0.75		
6/21/2020	Gastier	SH2 Sweet Corn	HE	trial received .15 inches of rainfall				
6/22/2020	Gastier	SH2 Sweet Corn	HE	reset plot stakes out in front of data rows	2-5	1		
6/23/2020	Gastier	SH2 Sweet Corn	HE	trial received .6 inches of rainfall				
6/24/2020	Gastier	SH2 Sweet Corn	HE	cultivated with Allis Chalmers G	1-2.5	2.5		
6/27/2020	Gastier	SH2 Sweet Corn	HE	trial received .1 inches of rainfall				
7/1/2020	Gastier	SH2 Sweet Corn	HE	Irrigated trial with 1 inch of water	2-1.0	2	3-1.0	3
7/8/2020	Gastier	SH2 Sweet Corn	HE	trial received .05 inches of rainfall				
7/8/2020	Gastier	SH2 Sweet Corn	HE	Insecticide application - 1.92 oz/A Warrior II and 6 oz/A Radiant	1-5	0.5		
7/9/2020	Gastier	SH2 Sweet Corn	HE	Irrigated trial with 1 inch of water	2-1.0	2	3-1.0	3
7/10/2020	Gastier	SH2 Sweet Corn	HE	trial received 0.1 inches of rainfall				
7/12/2020	Gastier	SH2 Sweet Corn	HE	trial received 0.3 inches of rainfall				
7/13/2020	Gastier	SH2 Sweet Corn	HE	Insecticide application - 6 oz/A Radiant	1-5	0.5		
7/16/2020	Gastier	SH2 Sweet Corn	HE	trial received .1 inches of rainfall				
7/17/2020	Gastier	SH2 Sweet Corn	HE	Insecticide application - 5 oz/A Coragen	1-5	0.5		
7/19/2020	Gastier	SH2 Sweet Corn	HE	trial received .35 inches of rainfall				
7/21/2020	Gastier	SH2 Sweet Corn	HE	Insecticide application - 5 oz/A Coragen	1-5	0.5		
7/22/2020	Gastier	SH2 Sweet Corn	HE	trial received .35 inches of rainfall				
7/23/2020	Gastier	SH2 Sweet Corn	HE	trial received .1 inches of rainfall				
7/24/2020	Gastier	SH2 Sweet Corn	HE	Insecticide Application - 10 oz/A Hero	1-5	0.5		
7/24/2020	Gastier	SH2 Sweet Corn	HE	reset plot stakes			2-.25	0.5
7/26/2020	Gastier	SH2 Sweet Corn	HE	trial received 0.45 inches of rainfall	1-5	0.5		
7/28/2020	Gastier	SH2 Sweet Corn	HE	irrigated trial with .4 inches of water	1-1.0	1		
7/31/2020	Gastier	SH2 Sweet Corn	HE	harvested and evaluated varieties 9, 14, 20, 30	2-2.5	5	1-2.5	2.5
7/31/2020	Gastier	SH2 Sweet Corn	HE	Insecticide application - 2.8 oz/A Baythroid XL	1-5	0.5		
8/1/2020	Gastier	SH2 Sweet Corn	HE	trial received .9 inches of rainfall				
8/3/2020	Gastier	SH2 Sweet Corn	HE	harvested and evaluated varieties 5, 7, 8, 10, 11, 16, 31	3-2.5	7.5	3-3.0	9
8/4/2020	Gastier	SH2 Sweet Corn	HE	harvested and evaluated varieties 17, 18, 27, 28, 34	3-2.5	7.5	3-3.0	9
8/5/2020	Gastier	SH2 Sweet Corn	HE	harvested and evaluated varieties 3, 13, 15, 25, 26	2-2.5	5	2-4.0	8
8/5/2020	Gastier	SH2 Sweet Corn	HE	Insecticide application - 5 oz/A Coragen	1-2.5	0.25		
8/7/2020	Gastier	SH2 Sweet Corn	HE	harvested and evaluated varieties 1, 4, 29	2-7.5	1.5	3-1.5	4.5
8/7/2020	Gastier	SH2 Sweet Corn	HE	Insecticide application - 1.92 oz/A Warrior II	1-2.5	0.25		
8/10/2020	Gastier	SH2 Sweet Corn	HE	trial received .05 inches of rainfall				
8/10/2020	Gastier	SH2 Sweet Corn	HE	harvested and evaluated varieties 6, 12, 19, 23, 24, 32	3-2.5	7.5	3-3.0	9
8/12/2020	Gastier	SH2 Sweet Corn	HE	harvested and evaluated varieties 2, 21, 22, 33	3-1.0	3	2-3.0	6
8/12/2020	Gastier	SH2 Sweet Corn	HE	completed harvest of trial, released for crop destruct				
8/20/2020	Gastier	SH2 Sweet Corn	HE	disked trial under	1-7.5	0.75		
8/21/2020	Gastier	SH2 Sweet Corn	HE	Deep ripped with JD 6155M and Landoll 3 shank subsoiler plot area for compaction	1-1.25	1.25		0
Total Staff hours						68.5		73.5

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