# 2022 $SH_2$ 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 $SH_2$ 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, 27 $SH_2$ 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 4 rows per variety, replicated 4 times, using randomized variety location within each replication. The centered 2 rows of each plot were harvested for data collection. After germination and stand counts, rows were trimmed to 25 feet. Plots were thinned in mid-June to a final stand of 23,500.

The $SH_2$ trial was conducted on Colwood fine sandy loam soil on field B South at the North Central Agricultural Research Station. Best management practices were utilized prior to and during the trial. On October 22, 2021 the test site was seeded to a cover crop of winter wheat. The cover crop was terminated on April 25, 2022, using a disc-chisel as primary tillage followed by a finishing tools within a week of initial tillage. On May 6, 2022 dry fertilizer consisting of 250 lbs./ acre 46-0-0, 100 lbs./acre 10-52-0, 400 lbs./acre 0-0-60, and 7 lbs./acre 10% granular boron was spread on the test site. The site was worked the same day using a Landoll Finish-All with a rolling basket.

On May 23, 2022 the test plot was planted in 30" rows using a John Deere 7000 planter with Almaco units for the test varieties. A herbicide application of 20 oz/ acre Dual II Magnum, 32 oz/acre Buccaneer5 Extra, 8oz./acre Choice Weathermax and 2.7 oz./acre Compadre was made immediately after planting. On June 22, 2022, the plot was side dressed using 31 gal/acre 28% N. The plot was cultivated on the following day.

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

Insecticide applications were made as follows:

7/11/22 9.6 oz/acre Asana

7/15/22 6 oz/acre Radiant

7/21/22 4 oz/acre Mustang Maxx

7/26/22 5 oz/acre Coragen

8/1/22 2.8 oz/acre Baythoid XL

8/5/22 5 oz/acre Coragen

**Results and Discussion**

Emergence of the plot was less than perfect due to a heavy rain event right at the time of emergence. The plot received another 3-inch rain event a week later. In both cases, the plot was saved by the special efforts of the station staff to expedite the surface drainage. The plots had been overseeded intentionally, so despite less-than-optimal emergence, final stands after thinning were very acceptable.

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 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. 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 5/25/22 to first harvest

| | |
|---|---|
| 5/25/2022 | 0.25 |
| 5/26/2022 | 0.25 |
| 5/28/2022 | 0.1 |
| 6/1/2022 | 0.5 |
| 6/7/2022 | 3.1 |
| 6/9/2022 | 0.25 |
| 6/13/2022 | 3 |
| 6/20/2022 | 0.05 |
| 7/1/2022 | 0.6 |
| 7/5/2022 | 0.4 |
| 7/6/2022 | 0.85 |
| 7/13/2022 | 0.15 |
| 7/16/2022 | 0.7 |
| 7/18/2022 | 0.3 |
| 7/21/2022 | 0.1 |
| 7/28/2022 | 0.6 |
| | |
| **Total** | **11.2** |

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

| Variety # | Variety Name | Color | Listed Maturity | Harvest Date | Observed Maturity |
|---|---|---|---|---|---|
| 1 | Bolt XR | Bi-Color | 67 | 8/1/2022 | 69 |
| 2 | Catalyst XR | Bi-Color | 66 | 8/1/2022 | 69 |
| 3 | Ignition | Bi-Color | 77 | 8/3/2022 | 71 |
| 4 | Signature XR | Bi-Color | 72 | 8/3/2022 | 71 |
| 5 | Anthem XR | Bi-Color | 73 | 8/3/2022 | 71 |
| 6 | Caliber XR | Bi-Color | 75 | 8/5/2022 | 73 |
| 7 | Tempo | Bi-Color | 76 | 8/8/2022 | 76 |
| 8 | Octane | Bi-Color | 76 | 8/8/2022 | 76 |
| 9 | Enchanted | Bi-Color | 79 | 8/5/2022 | 73 |
| 10 | Icon XR | Yellow | 72 | 8/3/2022 | 71 |
| 11 | American Dream F1 | Bi-Color | 77 | 8/8/2022 | 76 |
| 12 | Cadence XR | Bi-Color | 78 | 8/8/2022 | 76 |
| 13 | Troubadour XR | Bi-Color | 76 | 8/5/2022 | 73 |
| 14 | Kickoff | Bi-Color | 69 | 8/1/2022 | 69 |
| 15 | Skyray | Bi-Color | 78 | 8/8/2022 | 76 |
| 16 | EX08767143 | Bi-Color | 81 | 8/10/2022 | 78 |
| 17 | SVSA9495T | Bi-Color | 74 | 8/5/2022 | 73 |
| 18 | Affection | Bi-Color | 78 | 8/10/2022 | 78 |
| 19 | SV1580SC | White | 79 | 8/10/2022 | 78 |
| 20 | Starfighter II | White | 79 | 8/10/2022 | 78 |
| 21 | Solstice F1 | Bi-Color | 70 | 8/1/2022 | 69 |
| 22 | Nirvana F1 | Bi-Color | 75 | 8/3/2022 | 71 |
| 23 | Xanadu | Bi-Color | 74 | 8/3/2022 | 71 |
| 24 | Equinox | Yellow | 70 | 8/1/2022 | 69 |
| 25 | Epiphany | Bi-Color | 74 | 8/3/2022 | 71 |
| 26 | Inspiration | Bi-Color | 78 | 8/5/2022 | 73 |
| 27 | Summer Celebration | Yellow | 74 | 8/5/2022 | 73 |

**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 | Bolt XR | 13 | 3.75 | 1770 | 1740 |
| 2 | Catalyst XR | 16 | 3.5 | 1750 | 1740 |
| 3 | Ignition | 19 | 3 | 1820 | 1800 |
| 4 | Signature XR | 15 | 3.5 | 1820 | 1820 |
| 5 | Anthem XR | 18 | 3 | 1650 | 1640 |
| 6 | Caliber XR | 19 | 3.5 | 1885 | 1820 |
| 7 | Tempo | 20 | 3 | 1780 | 1760 |
| 8 | Octane | 18 | 3.5 | 1740 | 1720 |
| 9 | Enchanted | 21 | 3 | 1740 | 1680 |
| 10 | Icon XR | 18 | 3.5 | 1595 | 1580 |
| 11 | American Dream F1 | 22 | 3 | 1820 | 1780 |
| 12 | Cadence XR | 21 | 3 | 1840 | 1800 |
| 13 | Troubadour XR | 20 | 3.5 | 1770 | 1770 |
| 14 | Kickoff | 16 | 3.25 | 1690 | 1670 |
| 15 | Skyray | 19 | 3.5 | 1650 | 1640 |
| 16 | EX08767143 | 22 | 3.5 | 1900 | 1860 |
| 17 | SVSA9495T | 17 | 3 | 1810 | 1800 |
| 18 | Affection | 22 | 3 | 1820 | 1760 |
| 19 | SV1580SC | 22 | 3.5 | 1990 | 1970 |
| 20 | Starfighter II | 21 | 3.5 | 1860 | 1800 |
| 21 | Solstice F1 | 14 | 3.75 | 1750 | 1700 |
| 22 | Nirvana F1 | 17 | 4 | 1810 | 1800 |
| 23 | Xanadu | 17 | 3.5 | 1940 | 1910 |
| 24 | Equinox | 16 | 3.5 | 1800 | 1780 |
| 25 | Epiphany | 16 | 3.5 | 1850 | 1830 |
| 26 | Inspiration | 20 | 3 | 1680 | 1620 |
| 27 | Summer Celebration | 18 | 2.5 | 1640 | 1640 |

**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 | Bolt XR | 4 | 2.75 | 3.5 | 3 | 3 | 16-18 | 2.75 | 4 | 7.9 | 2 |
| 2 | Catalyst XR | 2.5 | 2.5 | 2.5 | 3.5 | 2.75 | 14-16 | 3.25 | 3.5 | 8.1 | 1.9 |
| 3 | Ignition | 4 | 2.75 | 3 | 3 | 4 | 16-18 | 4 | 2.75 | 8.1 | 1.8 |
| 4 | Signature XR | 4 | 3.75 | 4 | 4 | 3.5 | 16-18 | 3.5 | 3 | 8.2 | 2 |
| 5 | Anthem XR | 3 | 4 | 3.5 | 4 | 3.75 | 14-18 | 3.25 | 3 | 8.2 | 1.9 |
| 6 | Caliber XR | 2 | 3 | 2.5 | 3.5 | 3.5 | 16-18 | 3 | 3.5 | 8.2 | 2 |
| 7 | Tempo | 3 | 3 | 3 | 2.5 | 2.5 | 16-18 | 2.75 | 3.5 | 8.1 | 2.1 |
| 8 | Octane | 1.5 | 3.5 | 2 | 3.5 | 3.25 | 16-18 | 3.25 | 3 | 7.9 | 1.9 |
| 9 | Enchanted | 2 | 3 | 2.5 | 3.25 | 3.5 | 18-20 | 3.5 | 3.25 | 8.1 | 1.9 |
| 10 | Icon XR | 3 | 3.25 | 3 | 3.25 | 3.75 | 16-18 | 4 | 4 | 8.4 | 2.2 |
| 11 | American Dream F1 | 2 | 3.5 | 3 | 3.5 | 3.5 | 16-18 | 3.5 | 3.5 | 7.8 | 2.1 |
| 12 | Cadence XR | 3 | 3.5 | 3 | 3 | 3.25 | 16-18 | 3.5 | 3.5 | 7.8 | 2.1 |
| 13 | Troubadour XR | 3.5 | 3.75 | 3.25 | 4 | 3.75 | 18-20 | 4 | 3.75 | 8.2 | 2.2 |
| 14 | Kickoff | 3.75 | 3 | 3.5 | 3.5 | 3.25 | 16-18 | 3 | 2.5 | 8.3 | 2 |
| 15 | Skyray | 3.25 | 3 | 3 | 3 | 3 | 16-18 | 3.75 | 3.75 | 8.3 | 2.1 |
| 16 | EX08767143 | 2.5 | 1.5 | 2 | 2 | 2.5 | 16-18 | 2.5 | 4 | 8.1 | 1.9 |
| 17 | SVSA9495T | 2 | 4 | 2.5 | 3.5 | 2.75 | 16-18 | 3 | 2.5 | 8.2 | 1.8 |
| 18 | Affection | 3 | 3.25 | 3 | 3.75 | 2 | 16-18 | 2.5 | 4 | 8.1 | 2.3 |
| 19 | SV1580SC | 2 | 3 | 2.5 | 2.75 | 3.5 | 16-18 | 3.5 | 3.75 | 8.2 | 2.3 |
| 20 | Starfighter II | 2 | 2.5 | 2 | 2 | 3.5 | 16-18 | 3 | 3 | 8.1 | 2.1 |
| 21 | Solstice F1 | 3 | 2.75 | 3 | 3 | 3.25 | 14-16 | 2.75 | 3.25 | 8.1 | 2 |
| 22 | Nirvana F1 | 2.5 | 2.5 | 2.25 | 2.5 | 4 | 16-18 | 3.5 | 3 | 8.2 | 1.9 |
| 23 | Xanadu | 2 | 3.5 | 2.5 | 2.75 | 3.75 | 18-20 | 3.5 | 3.5 | 8.1 | 2 |
| 24 | Equinox | 3 | 2.5 | 3 | 3 | 4 | 14-16 | 4 | 4 | 8.1 | 1.9 |
| 25 | Epiphany | 2 | 3 | 3 | 3 | 4 | 16-18 | 3.5 | 2.5 | 8 | 2 |
| 26 | Inspiration | 2.5 | 2.25 | 2.5 | 3 | 2 | 16-18 | 3 | 2.5 | 8 | 1.9 |
| 27 | Summer Celebration | 2 | 3 | 2.5 | 3.5 | 3 | 16-18 | 3.5 | 4 | 8.1 | 2 |

See next page for rating scale

**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 | | |

**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.**

**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 |
|---|---|---|---|---|
| | | | | Flavor |
| 1 | Bolt XR | 3.75 | 3.75 | 3.75 |
| 2 | Catalyst XR | 2 | 3.5 | 3 |
| 3 | Ignition | 3 | 3.25 | 3.25 |
| 4 | Signature XR | 3.5 | 3 | 3.5 |
| 5 | Anthem XR | 3.25 | 3.75 | 3.5 |
| 6 | Caliber XR | 3.25 | 3.25 | 3.25 |
| 7 | Tempo | 4 | 3.75 | 3.5 |
| 8 | Octane | 3 | 3.5 | 3.25 |
| 9 | Enchanted | 3.75 | 3.5 | 3.5 |
| 10 | Icon XR | 3.5 | 3.5 | 3.5 |
| 11 | American Dream F1 | 3.75 | 3.5 | 3.5 |
| 12 | Cadence XR | 3.5 | 3.75 | 3.5 |
| 13 | Troubadour XR | 3.5 | 3.75 | 3.5 |
| 14 | Kickoff | 4 | 4 | 3.75 |
| 15 | Skyray | 3.5 | 3.25 | 3 |
| 16 | EX08767143 | 2 | 3.5 | 3 |
| 17 | SVSA9495T | 2.5 | 2.5 | 2.75 |
| 18 | Affection | 3.75 | 3.5 | 3 |
| 19 | SV1580SC | 2 | 3.25 | 2.25 |
| 20 | Starfighter II | 2 | 2.75 | 2.5 |
| 21 | Solstice F1 | 3.75 | 4 | 4 |
| 22 | Nirvana F1 | 3 | 3 | 3.5 |
| 23 | Xanadu | 3.75 | 3.75 | 3.5 |
| 24 | Equinox | 3.75 | 3.75 | 3.5 |
| 25 | Epiphany | 3.5 | 3.75 | 3.75 |
| 26 | Inspiration | 3.25 | 3.25 | 2.75 |
| 27 | Summer Celebration | 3.75 | 3.5 | 3.75 |

See previous page for rating scale

# Log of Operations

| 2022 Gastier SH2 Sweet corn log of operations | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Date** | **Project Leader** | **Project** | **Field ID** | **Description of Operation** | **Staff # & hours** | **Total Staff** | **Seasonal Staff # and** | **Total Seasonal** |
| 10/22/2021 | Gastier | SH2 Sweet Corn | BS | Sowed covercrop wheat to all but the processing cabbage with Kubota and vicon spreader - broadcasted approx. 60lbs/A Kirby wheat vicon setting 15 | 1-.5 | 0.5 | | |
| 10/22/2021 | Gastier | SH2 Sweet Corn | BS | worked field with JD7210 and perfecta to incorporate wheat covercrop seed | 1-1.0 | 1 | | |
| 4/4/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 4/6/2022 | Gastier | SH2 Sweet Corn | BS | trial received .1 inches of rain | | | | |
| 4/8/2022 | Gastier | SH2 Sweet Corn | BS | trial received .05 inches of rain | | | | |
| 4/11/2022 | Gastier | SH2 Sweet Corn | BS | trial received .05 inches of rain | | | | |
| 4/12/2022 | Gastier | SH2 Sweet Corn | BS | trial received .15 inches of rain | | | | |
| 4/14/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 4/16/2022 | Gastier | SH2 Sweet Corn | BS | trial received .05 inches of rain | | | | |
| 4/19/2022 | Gastier | SH2 Sweet Corn | BS | trial received .4 inches of rain | | | | |
| 4/22/2022 | Gastier | SH2 Sweet Corn | BS | Made envelopes 18 envelopes for all 27 varieties | | | 2-2.25 | 4.5 |
| 4/25/2022 | Gastier | SH2 Sweet Corn | BS | trial received .8 inches of rain | | | | |
| 4/28/2022 | Gastier | SH2 Sweet Corn | BS | started counting out 72 seeds/ envelope 18 envelopes/ variety | | | 2-3.0 | 6 |
| 4/30/2022 | Gastier | SH2 Sweet Corn | BS | Disk chiseled with JD6155M and Deutz Allis disk chisel plow | 1-1.0 | 1 | | |
| 5/1/2022 | Gastier | SH2 Sweet Corn | BS | trial received .05 inches of rain | | | | |
| 5/2/2022 | Gastier | SH2 Sweet Corn | BS | Finished counting out sweet corn seed | | | 2-.75 | 1.5 |
| 5/3/2022 | Gastier | SH2 Sweet Corn | BS | Worked middle half of field with JD6155M and Landoll finisholl | 1-.5 | 0.5 | | |
| 5/4/2022 | Gastier | SH2 Sweet Corn | BS | trial received 1.1 inches of rain | | | | |
| 5/6/2022 | Gastier | SH2 Sweet Corn | BS | trial received .5 inches of rain | | | | |
| 5/6/2022 | Gastier | SH2 Sweet Corn | BS | Randomized seed for planting | 1-1.0 | 1 | 2-1.0 | 2 |
| 5/7/2022 | Gastier | SH2 Sweet Corn | BS | trial received .8 inches of rain | | | | |
| 5/11/2022 | Gastier | SH2 Sweet Corn | BS | Worked outside half of field with JD7210 and Perfecta | 1-.5 | 0.5 | | |
| 5/11/2022 | Gastier | SH2 Sweet Corn | BS | Set flags for spreading Fertilizer | 1-.5 | 0.5 | | |
| 5/11/2022 | Gastier | SH2 Sweet Corn | BS | made plot stakes | | | 1-1.0 | 1 |
| 5/12/2022 | Gastier | SH2 Sweet Corn | BS | Double Spread fertilizer with JD7210 and cart from Andersons. Applied 250 lbs/A 46-0-0, 100 lbs/A 11-52-0, 400 lbs/A 0-0-60 and 7lbs/A 10% boron | 1-.5 | 0.5 | | |
| 5/12/2022 | Gastier | SH2 Sweet Corn | BS | worked field with JD6155M and Landoll Finisholl to incorprate fertilizer | 1-.75 | 0.75 | | |
| 5/16/2022 | Gastier | SH2 Sweet Corn | BS | trial received .5 inches of rain | | | | |
| 5/19/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 5/22/2022 | Gastier | SH2 Sweet Corn | BS | trial received .15 inches of rain | | | | |
| 5/23/2022 | Gastier | SH2 Sweet Corn | BS | Flagged alleys for driving | 1-.25 | 0.25 | 3-.25 | 0.75 |
| 5/23/2022 | Gastier | SH2 Sweet Corn | BS | Drove alleys to mark out plot area | 1-.5 | 0.5 | | |
| 5/24/2022 | Gastier | SH2 Sweet Corn | BS | Planted trial with JD6310 tractor and 4row JD 7000 planter with almaco cone seeder units | 2-1.25 | 2.5 | 4-1.25 | 5 |
| 5/24/2022 | Gastier | SH2 Sweet Corn | BS | Set out plot stakes for trial | 1-.5 | 0.5 | 3-.5 | 1.5 |
| 5/25/2022 | Gastier | SH2 Sweet Corn | BS | Herbicide application - 20oz/A Dual Magnum, 32 oz/A Buccaneer 5 Extra, 8 oz/A Choice Weathermaster and 2.7 oz/A Compadre | 1-.75 | 0.75 | | |
| 5/26/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 5/27/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 5/28/2022 | Gastier | SH2 Sweet Corn | BS | trial received .1 inches of rain | | | | |
| 6/1/2022 | Gastier | SH2 Sweet Corn | BS | trial received .5 inches of rain | | | | |
| 6/7/2022 | Gastier | SH2 Sweet Corn | BS | trial received 3.1 inches of rain | | | | |
| 6/9/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 6/13/2022 | Gastier | SH2 Sweet Corn | BS | trial received 3 inches of rain | | | | |
| 6/20/2022 | Gastier | SH2 Sweet Corn | BS | trial received .05 inches of rain | | | | |
| 6/22/2022 | Gastier | SH2 Sweet Corn | BS | Sidedressed trial with 31 gpa 28% UAN and N stablizer applied 93 pounds N/A | 1-.75 | 0.75 | | |
| 6/24/2022 | Gastier | SH2 Sweet Corn | BS | Cultivated trial with AC 'G' | 1-2.0 | 2 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 6/26/2022 | Gastier | SH2 Sweet Corn | BS | trial received .01 inches of rain | | | | |
| 6/27/2022 | Gastier | SH2 Sweet Corn | BS | thinned sweet corn to 9" inrow spacing or 33 plants/ row | 1-4.0 | 4 | 3-4.0 | 12 |
| 6/28/2022 | Gastier | SH2 Sweet Corn | BS | finished thinning sweet corn | 1-4.0 | 4 | 3-3.0 | 9 |
| 7/1/2022 | Gastier | SH2 Sweet Corn | BS | trial received .6 inches of rain | | | | |
| 7/5/2022 | Gastier | SH2 Sweet Corn | BS | trial received .4 inches of rain | | | | |
| 7/6/2022 | Gastier | SH2 Sweet Corn | BS | trial received .85 inches of rain | | | | |
| 7/11/2022 | Gastier | SH2 Sweet Corn | BS | Insecticide application - 9.6 oz/A Asana | 1-.5 | 0.5 | | |
| 7/13/2022 | Gastier | SH2 Sweet Corn | BS | trial received .15 inches of rain | | | | |
| 7/15/2022 | Gastier | SH2 Sweet Corn | BS | Insecticide Application - 6 oz/A Radiant SC | 1-.5 | 0.5 | | |
| 7/16/2022 | Gastier | SH2 Sweet Corn | BS | trial received .7 inches of rain | | | | |
| 7/18/2022 | Gastier | SH2 Sweet Corn | BS | trial received .3 inches of rain | | | | |
| 7/20/2022 | Gastier | SH2 Sweet Corn | BS | put up electric fence around sweetcorn trial | 1-2.0 | 2 | 5-2.0 | 10 |
| 7/21/2022 | Gastier | SH2 Sweet Corn | BS | Insecticide application - 4 oz/A Mustang Maxx | 1-.5 | 0.5 | | |
| 7/21/2022 | Gastier | SH2 Sweet Corn | BS | trial received .1 inches of rain | | | | |
| 7/26/2022 | Gastier | SH2 Sweet Corn | BS | Insecticde application - 5 oz/A Coragen | 1-.5 | 0.5 | | |
| 7/26/2022 | Gastier | SH2 Sweet Corn | BS | Made out harvest stakes for trial and set them in the field | | | 2-1.5 | 3 |
| 7/28/2022 | Gastier | SH2 Sweet Corn | BS | trial received .6 inches of rain | | | | |
| 7/29/2022 | Gastier | SH2 Sweet Corn | BS | Sprayed around Electric fence | 1-.5 | 0.5 | | |
| 8/1/2022 | Gastier | SH2 Sweet Corn | BS | Insecticide application - 2.8 oz/A Baythroid XL | 1-.5 | 0.5 | | |
| 8/1/2022 | Gastier | SH2 Sweet Corn | BS | Harvested and evaluated 5 varieties. Varieties harvested : 1, 2, 14, 21 and 24 | 2-2.0 | 4 | 4-3.0 | 12 |
| 8/3/2022 | Gastier | SH2 Sweet Corn | BS | Harvested and evaluated 7 varieties. Varieties harvested: 3, 4, 5, 10, 22, 23 and 24 | 1-1.0,1-2.5 | 3.5 | 4-2.5 | 10 |
| 8/4/2022 | Gastier | SH2 Sweet Corn | BS | trial received .1 inches of rain | | | | |
| 8/5/2022 | Gastier | SH2 Sweet Corn | BS | Insecticide application - 5 oz/A Coragen | 1-.5 | 0.5 | | |
| 8/5/2022 | Gastier | SH2 Sweet Corn | BS | harvested and evaluated 6 varieties: Varieties harvested - 6, 9, 13, 17, 26 and 27 | 1-1.0,1-2.0 | 3 | 4-2.5 | 10 |
| 8/5/2022 | Gastier | SH2 Sweet Corn | BS | trial received .15 inches of rain | | | | |
| 8/8/2022 | Gastier | SH2 Sweet Corn | BS | Harvested and Evaluated 5 varieties; varieties harvested - 7, 8, 11, 12 and 15 | 1-1.25, 1-2.25 | 3.5 | 3-2.5 | 7.5 |
| 8/8/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 8/9/2022 | Gastier | SH2 Sweet Corn | BS | trial received 2.1 inches of rain | | | | |
| 8/10/2022 | Gastier | SH2 Sweet Corn | BS | Harvested and Evaluated final 4 varieties. Varieties harvested - 16, 18, 19 and 20 | 1-1.0, 1-2.0 | 3 | 4-2.0 | 8 |
| 8/14/2022 | Gastier | SH2 Sweet Corn | BS | trial received .15 inches of rain | | | | |
| 8/15/2022 | Gastier | SH2 Sweet Corn | BS | took down electric fence from around trial | | | 3-1.0 | 3 |
| 8/20/2022 | Gastier | SH2 Sweet Corn | BS | trial received 1.5 inches of rain | | | | |
| 8/21/2022 | Gastier | SH2 Sweet Corn | BS | trial received .5 inches of rain | | | | |
| 8/30/2022 | Gastier | SH2 Sweet Corn | BS | trial received .9 inches of rain | | | | |
| 9/4/2022 | Gastier | SH2 Sweet Corn | BS | trial received 1 inches of rain | | | | |
| 9/5/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 9/9/2022 | Gastier | SH2 Sweet Corn | BS | Disked down trial with JD 7210 and 10ft International disk | 1-1.0 | 1 | | |
| 9/12/2022 | Gastier | SH2 Sweet Corn | BS | trial received .25 inches of rain | | | | |
| 9/13/2022 | Gastier | SH2 Sweet Corn | BS | trial received .15 inches of rain | | | | |
| 9/15/2022 | Gastier | SH2 Sweet Corn | BS | Disked down trial with JD 7210 and 10ft International disk | 1-1.0 | 1 | | |
| | | | | | | | | |
| | | | | **Total Staff Hours** | | **46** | | **106.75** |