**2023 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, 25 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 inch rows, 30 feet in length. Each variety is planted in a 4-row block, 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 to a final stand of 23,500.

The SH2 trial was conducted on Hoytville silty clay loam soil on field H West at the North Central Agricultural Research Station. Best management practices were utilized prior to and during the trial. On October 24, 2022, the test site was sprayed with 42 oz/A Buccaneer 5 extra and 16oz./A Low Vol Ester for control of Canada thistle. On November 9, 2022, the site was full tilled with a disc chisel. On April 27, 2023, 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 17, 2023, the test plot was planted in 30” rows using a John Deere 7000 planter with Almaco units for the test varieties. An herbicide application of 20 oz/ acre Dual Magnum, and 2.7 oz./acre Compadre was made immediately after planting. On June 6, 2023, the plot was side dressed using 31 gal/acre 28% N. The plot was cultivated on 6/20/23.

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

Insecticide applications were made as follows:

 7/12/23 1.92 oz/acre Warrior II

 7/20/23 1.92 oz/per acre Warrior II and 8oz/acre Intrepid 2F

 7/24/22 5 oz/acre Coragen

 7/31/22 1.5 pt/acre Lanate LV

 8/4/22 2.8 oz/acre Baythoid XL

**Results and Discussion**

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 May 17 to first harvest -

 5/20/23 .1

 6/11/23 .85

 6/14/23 .85

 6/15/23 .01

 6/23/23 .5

 6/25/23 .45

 6/26/23 .65

 7/3/23 .6

 7/8/23 .3

 7/11/23 .15

 7/12/23 .45

 7/15/23 .65

 7/20/23 .05

 7/23/23 .1

 7/27/23 .65

 7/31/23 .05

 8/10/23 .2

 8/11/23 .3

 8/12/23 .9

 8/14/23 .4

 8/17/23 .25

 8/24/23 .3

 8/25/23 .75

 9/6/23 .5

 9/8/23 .4

 **TOTAL: 10.41**

**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 | Epiphany | Bicolor | 75 | 8/11/2023 | 89 |
| 2 | Xanadu | Bicolor | 76 | 8/9/2023 | 87 |
| 3 | Inspiration | Bicolor | 78 | 8/15/2023 | 93 |
| 4 | AP358 | Bicolor | 78 | 8/11/2023 | 89 |
| 5 | Solstice | Bicolor | 70 | 8/9/2023 | 87 |
| 6 | Equinox | Yellow | 72 | 8/6/2023 | 84 |
| 7 | 20-2069 | Yellow | 75 | 8/11/2023 | 89 |
| 8 | Eden RMN | White | 75 | 8/11/2023 | 89 |
| 9 | Kickoff XR | Bicolor | 69 | 8/6/2023 | 84 |
| 10 | Bolt XR | Bicolor | 67 | 8/6/2023 | 84 |
| 11 | Ignition | Bicolor | 72 | 8/15/2023 | 93 |
| 12 | Signature XR | Bicolor | 72 | 8/11/2023 | 89 |
| 13 | Xtra Tender 274A | Bicolor | 74 | 8/9/2023 | 87 |
| 14 | Tempo XR | Bicolor | 76 | 8/15/2023 | 93 |
| 15 | American Dream | Bicolor | 79 | 8/15/2023 | 93 |
| 16 | Cadence XR | Bicolor | 78 | 8/15/2023 | 93 |
| 17 | Octane | Bicolor | 78 | 8/15/2023 | 93 |
| 18 | Troubadour | Bicolor | 76 | 8/15/2023 | 93 |
| 19 | Skyray | Bicolor | 80 | Withdrawn | ~ |
| 20 | EX08767143 | Bicolor | 81 | Withdrawn | ~ |
| 21 | Tigershark II | Bicolor | 74 | Withdrawn | ~ |
| 22 | Anthem XR | Bicolor | 73 | 8/11/2023 | 89 |
| 23 | HMC591104 | Bicolor | 74 | 8/11/2023 | 89 |
| 24 | Superb | Bicolor | 72 | 8/11/2023 | 89 |
| 25 | White Lightning | White | 78 | 8/15/2023 | 93 |

**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 | Epiphany | 17 | 3.25 | 2025 | 2000 |
| 2 | Xanadu | 18 | 3.25 | 1850 | 1800 |
| 3 | Inspiration | 22 | 2.5 | 1975 | 1975 |
| 4 | AP358 | 17 | 3.25 | 1775 | 1775 |
| 5 | Solstice | 18 | 2.75 | 1775 | 1750 |
| 6 | Equinox | 19 | 3.25 | 1900 | 1900 |
| 7 | 20-2069 | 21 | 3 | 1825 | 1800 |
| 8 | Eden RMN | 19 | 3.25 | 1875 | 1850 |
| 9 | Kickoff XR | 23 | 2.25 | 1650 | 1625 |
| 10 | Bolt XR | 19 | 3 | 1950 | 1900 |
| 11 | Ignition | 21 | 3 | 1850 | 1800 |
| 12 | Signature XR | 21 | 3.25 | 1900 | 1875 |
| 13 | Xtra Tender 274A | 20 | 3.25 | 1800 | 1800 |
| 14 | Tempo XR | 23 | 2.75 | 1850 | 1825 |
| 15 | American Dream | 24 | 2.75 | 2050 | 2025 |
| 16 | Cadence XR | 26 | 3.25 | 1825 | 1800 |
| 17 | Octane | 22 | 3.25 | 1700 | 1700 |
| 18 | Troubadour | 26 | 3 | 1875 | 1850 |
| 9 | Skyray | ~ | ~ | ~ | ~ |
| 20 | EX08767143 | ~ | ~ | ~ | ~ |
| 21 | Tigershark II | ~ | ~ | ~ | ~ |
| 22 | Anthem XR | 20 | 3 | 1850 | 1850 |
| 23 | HMC591104 | 21 | 3.25 | 1900 | 1875 |
| 24 | Superb | 21 | 3 | 1975 | 1950 |
| 25 | White Lightning | 31 | 3.5 | 1850 | 1825 |

**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 | Epiphany | 1.5 | 3 | 2 | 2.75 | 2.75 | 16-18 | 3 | 3.75 | 8 | 2.1 |
| 2 | Xanadu | 1.75 | 4 | 3 | 3 | 4 | 16-18 | 3.5 | 2.75 | 8.2 | 1.9 |
| 3 | Inspiration | 1.25 | 1.5 | 1.5 | 2 | 4 | 16-18 | 3.5 | 3.75 | 8.7 | 2.0 |
| 4 | AP358 | 2.75 | 3 | 3 | 3.5 | 3.5 | 16-18 | 3.5 | 3.5 | 8.5 | 1.9 |
| 5 | Solstice | 3.5 | 4 | 3.5 | 3 | 4 | 16-18 | 3 | 4 | 8.4 | 1.9 |
| 6 | Equinox | 2.5 | 3.5 | 3 | 2.75 | 4 | 16 | 3.75 | 4 | 8.1 | 1.9 |
| 7 | 20-2069 | 2.5 | 2 | 2 | 2.5 | 3.5 | 16-18 | 4 | 4 | 8.1 | 1.9 |
| 8 | Eden RMN | 1.75 | 2 | 2 | 2.5 | 3.75 | 16-18 | 4 | 4 | 8.5 | 1.9 |
| 9 | Kickoff XR | 3 | 3.75 | 3.25 | 3 | 4 | 16-18 | 3.75 | 3.75 | 8.9 | 2.0 |
| 10 | Bolt XR | 3 | 3.25 | 3 | 2.5 | 3.75 | 14-18 | 3 | 2.5 | 8 | 1.9 |
| 11 | Ignition | 2.75 | 2 | 2.5 | 1.75 | 3.75 | 16-18 | 3.25 | 3.5 | 8.2 | 1.9 |
| 12 | Signature XR | 3.5 | 2.25 | 2.5 | 2.75 | 3 | 18-20 | 3.25 | 4 | 8.2 | 2.1 |
| 13 | Xtra Tender 274A | 3.25 | 3.25 | 3.25 | 2.5 | 3 | 16-18 | 4 | 2.75 | 9.1 | 2.1 |
| 14 | Tempo XR | 2 | 4 | 3 | 2.25 | 3 | 16-18 | 3.5 | 3.25 | 8.6 | 2.0 |
| 15 | American Dream | 2 | 3.25 | 2.25 | 3.25 | 3.75 | 16-18 | 3.25 | 3 | 7.7 | 1.9 |
| 16 | Cadence XR | 1 | 2 | 1 | 2.75 | 4 | 18-20 | 4 | 4 | 8.7 | 2.1 |
| 17 | Octane | 1.25 | 2 | 1.5 | 3 | 3.25 | 16-18 | 3.5 | 3 | 8.4 | 1.9 |
| 18 | Troubadour | 2 | 2.5 | 2 | 2.5 | 3 | 16-18 | 3 | 3.25 | 8.5 | 2.0 |
| 19 | Skyray | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| 20 | EX08767143 | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| 21 | Tigershark II | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ | ~ |
| 22 | Anthem XR | 1.5 | 3.5 | 2 | 2.5 | 3.25 | 16-18 | 3.75 | 3.5 | 8.6 | 1.9 |
| 23 | HMC591104 | 2.5 | 2.5 | 2.25 | 3 | 3.25 | 16-18 | 3 | 3.5 | 8.4 | 2.1 |
| 24 | Superb | 3.25 | 3 | 3 | 3 | 2.75 | 18-20 | 3 | 4 | 8.6 | 2.0 |
| 25 | White Lightning | 2 | 3.25 | 2.5 | 2.5 | 4 | 16-18 | 3.5 | 4 | 8.6 | 2.0 |

**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 | Epiphany | 2.25 | 2.5 | 2.5 |
| 2 | Xanadu | 4 | 4 | 3.5 |
| 3 | Inspiration | 2.75 | 2.75 | 3.25 |
| 4 | AP358 | 3.5 | 3.5 | 3.25 |
| 5 | Solstice | 3.25 | 4 | 3 |
| 6 | Equinox | 3 | 3.5 | 3.75 |
| 7 | 20-2069 | 3.5 | 3.25 | 3 |
| 8 | Eden RMN | 2.75 | 4 | 3.75 |
| 9 | Kickoff XR | 3.75 | 4 | 3.5 |
| 10 | Bolt XR | 3.75 | 3.25 | 3.5 |
| 11 | Ignition | 2.75 | 3 | 2.75 |
| 12 | Signature XR | 3.25 | 3.5 | 3.5 |
| 13 | Xtra Tender 274A | 3.5 | 3.5 | 3.5 |
| 14 | Tempo XR | 3 | 3.25 | 3.5 |
| 15 | American Dream | 3.25 | 3.25 | 2.75 |
| 16 | Cadence XR | 3.25 | 3.5 | 3 |
| 17 | Octane | 3.5 | 2.75 | 3 |
| 18 | Troubadour | 3.5 | 3.5 | 3.5 |
| 19 | Skyray | ~ | ~ | ~ |
| 20 | EX08767143 | ~ | ~ | ~ |
| 21 | Tigershark II | ~ | ~ | ~ |
| 22 | Anthem XR | 4 | 3.5 | 3 |
| 23 | HMC591104 | 3 | 2.5 | 3 |
| 24 | Superb | 2.75 | 2.5 | 3.25 |
| 25 | White Lightning | 3 | 3.75 | 3.5 |

**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.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mike Gastier 2023 SH2 Sweet Corn Trial Log** |  |  |  |  |
| **Date** | **Project Leader** | **Description of Operation** | **Staff # & hours** | **Total Staff hours** | **Seasonal Staff # and hours** | **Total Seasonal Staff hours** |
| 8/18/2022 | Gastier | Herbicide application - 42 oz/A Buccaneer 5 Extra and 8 oz/A Choice Weathermaster | 1-.5 | 0.5 |   |   |
| 10/24/2022 | Gastier | Herbicide application - spot sprayed thistle patches with Cagle sprayer. Applied 42oz/A Buccaneer 5 extra, 16 oz/A Cornbelt Lovol Ester and 8 oz/A Choice Weathermaster | 1-.5 | 0.5 |   |   |
| 11/8/2022 | Gastier | Started disc chisel plowing with JD6155M and Deutz Allis disc chisel  | 1-1.75 | 1.75 |   |   |
| 11/9/2022 | Gastier | Finished disc chisel plowing with JD6155M and Deutz Allis disc chisel  | 1-1.75 | 1.75 |   |   |
| 4/1/2023 | Gastier | Trial received .55 inches of rainfall |   |   |   |   |
| 4/5/2023 | Gastier | Trial received .35 inches of rainfall |   |   |   |   |
| 4/17/2023 | Gastier | Trial received .2 inches of rainfall |   |   |   |   |
| 4/21/2023 | Gastier | Trial received .25 inches of rainfall |   |   |   |   |
| 4/22/2023 | Gastier | Trial received .05 inches of rainfall |   |   |   |   |
| 4/23/2023 | Gastier | Trial received .05 inches of rainfall |   |   |   |   |
| 4/27/2023 | Gastier | Set Drive Flags for spreading fertilizer on west 965ft of field | 1-.5 | 0.5 |   |   |
| 4/27/2023 | Gastier | Fertilizer application - Applied 250lbs/A 46-0-0, 100lbs/A 11-52-0, 400lbs/A 0-0-60 and 7lbs/A 10% granular Boron with JD7210 and cart from Andersons cart was set to double spread. | 1-.75 | 0.75 |   |   |
| 4/27/2023 | Gastier | Worked field with 6155M and landoll | 1-2.25 | 2.25 |   |   |
| 4/27/2023 | Gastier | Counted out SH2 sweet corn with seed counter - 18 packets with 72 seeds/ packet varities 1-13 |   |   | 2-3.0 | 6 |
| 4/28/2023 | Gastier | Trial received .55 inches of rainfall |   |   |   |   |
| 4/30/2023 | Gastier | Trial received .55 inches of rainfall |   |   |   |   |
| 5/1/2023 | Gastier | Trial received .3 inches of rainfall |   |   |   |   |
| 5/3/2023 | Gastier | Finished counting out SH2 sweetcorn varieties by hand 18 packets with 72 seeds/ packet variaties 14-25 |   |   | 2-3.5 | 7 |
| 5/3/2023 | Gastier | Trial received .1 inches of rainfall |   |   |   |   |
| 5/7/2023 | Gastier | Trial received .05 inches of rainfall |   |   |   |   |
| 5/15/2023 | Gastier | Worked plot area with 6155M and perfecta and packer 2 times | 1-4.5 | 4.5 |   |   |
| 5/16/2023 | Gastier | Randomized SH2 sweetcorn for planting | 1-1.25 | 1.25 | 3-1.25 | 3.75 |
| 5/16/2023 | Gastier | Set drive flags for alleys | 1-.75 | 0.75 | 3-.75 | 2.25 |
| 5/16/2023 | Gastier | Drove the alleys with Kubota | 1-1.00 | 1 |   |   |
| 5/16/2023 | Gastier | Made plot stakes for SH2 sweetcorn |   |   | 3-.5 | 1.5 |
| 5/17/2023 | Gastier | Staked Gastier SH2 | 1-.5 | 0.5 | 4-.5 | 2 |
| 5/17/2023 | Gastier | Planted trial with JD6310 and JD 7000 planter with Almaco cone units - planter setting 8-14 | 2-1.00 | 2 | 4-1.00 | 4 |
| 5/18/2023 | Gastier | Herbicide application - 20 oz/A Dual Magnum and 2.7 oz/A Compadre (drift control) | 1-.75 | 0.75 |   |   |
| 5/20/2023 | Gastier | Trial received .1 inches of rainfall |   |   |   |   |
| 5/23/2023 | Gastier | Set flags at corners of trial | 1-.25 | 0.25 | 2-.25 | 0.5 |
| 6/7/2023 | Gastier | Sidedressed trial with 30 gallons/A 28% UAN | 1-.25 | 0.25 |   |   |
| 6/9/2023 | Gastier | Irrigated trial applied approx. 0.5" of water - Gun set at 12.5ft/ 5 minutes |   |   |   |   |
| 6/11/2023 | Gastier | Trial received .85 inches of rainfall |   |   |   |   |
| 6/14/2023 | Gastier | Trial received .85 inches of rainfall |   |   |   |   |
| 6/15/2023 | Gastier | Trial received .01 inches of rainfall |   |   |   |   |
| 6/20/2023 | Gastier | Cultivated with Kubota and 2 row danish tine cultivator | 1-1.25 | 1.25 |   |   |
| 6/23/2023 | Gastier | Trial received .5 inches of rainfall |   |   |   |   |
| 6/25/2023 | Gastier | Trial received .45 inches of rainfall |   |   |   |   |
| 6/26/2023 | Gastier | Trial received .65 inches of rainfall |   |   |   |   |
| 6/30/2023 | Gastier | Walked and hoed |   |   | 5-1.5 | 7.5 |
| 6/30/2023 | Gastier | Thinned Gastier Sweet corn rep 1 and 2 | 1-2.5 | 2.5 |   |   |
| 7/3/2023 | Gastier | Trial received .6 inches of rainfall |   |   |   |   |
| 7/8/2023 | Gastier | Trial received .3 inches of rainfall |   |   |   |   |
| 7/11/2023 | Gastier | Trial received .15 inches of rainfall |   |   |   |   |
| 7/12/2023 | Gastier | Insecticide application - 1.92 oz/A Warrior II | 1-.5 | 0.5 |   |   |
| 7/12/2023 | Gastier | Trial received .45 inches of rainfall |   |   |   |   |
| 7/15/2023 | Gastier | Trial received .65 inches of rainfall |   |   |   |   |
| 7/20/2023 | Gastier | Insecticide application - 1.92 oz/A Warrior II and 8 oz/A Intrepid 2F | 1-.5 | 0.5 |   |   |
| 7/20/2023 | Gastier | Trial received .05 inches of rainfall |   |   |   |   |
| 7/23/2023 | Gastier | Trial received .1 inches of rainfall |   |   |   |   |
| 7/24/2023 | Gastier | Insecticide application - 5 oz/A Coragen | 1-.5 | 0.5 |   |   |
| 7/26/2023 | Gastier | Put electric fence around trial |   |   | 5-2.5 | 12.5 |
| 7/27/2023 | Gastier | Trial received .65 inches of rainfall |   |   |   |   |
| 7/31/2023 | Gastier | Insecticide application - 1.5 pt/A Lanate LV | 1-.5 | 0.5 |   |   |
| 7/31/2023 | Gastier | Trial received .05 inches of rainfall |   |   |   |   |
| 8/4/2023 | Gastier | Insecticide application - 2.8 oz/A Baythroid XL | 1-.5 | 0.5 |   |   |
| 8/7/2023 | Gastier | Harvested and evaluated 3 varieties. Varieties harvested: 6, 9 and 10 | 1-1.0,2-.5 | 1.5 | 5-1.5 | 7.5 |
| 8/7/2023 | Gastier | Trial received .05 inches of rainfall |   |   |   |   |
| 8/9/2023 | Gastier | Harvested and evaluated 3 varieties. Varieties harvested: 2, 5 and 13 | 2-.5 | 1 | 5-.5 | 2.5 |
| 8/9/2023 | Gastier | Evaulated sweet corn | 1-.5 | 0.5 | 5-1.0 | 5 |
| 8/10/2023 | Gastier | Trial received .2 inches of rainfall |   |   |   |   |
| 8/11/2023 | Gastier | Harvested and evaluated 8 varieties. Varieties harvested - 1,4,7,8,12,22,23,24 | 2-2.25 | 4.5 | 5-2.5 | 12.5 |
| 8/11/2023 | Gastier | Trial received .3 inches of rainfall |   |   |   |   |
| 8/12/2023 | Gastier | Trial received .9 inches of rainfall |   |   |   |   |
| 8/14/2023 | Gastier | Trial received .4 inches of rainfall |   |   |   |   |
| 8/14/2023 | Gastier | Harvested 4 bins of sweetcorn to go to society of st Andrews | 2-1.5 | 3 | 5-1.5 | 7.5 |
| 8/15/2023 | Gastier | Harvested and evaluated remaining 8 varieties. Varieties harveted - 3, 11, 14, 15, 16, 17, 18 and 25 | 2-2.5 | 5 | 5-3.0 | 15 |
| 8/16/2023 | Gastier | Harvested 6 bins of sweetcorn 4 for the society of st Andrews. 2 for Sandusky county jail | 2-1.5 | 3 | 3-1.5 | 4.5 |
| 8/16/2023 | Gastier | Took down electric fence | 1-1.5 | 1.5 | 2-1.5 | 3 |
| 8/17/2023 | Gastier | Trial received .25 inches of rainfall |   |   |   |   |
| 8/24/2023 | Gastier | Trial received .3 inches of rainfall |   |   |   |   |
| 8/25/2023 | Gastier | Trial received .75 inches of rainfall |   |   |   |   |
| 9/6/2023 | Gastier | Trial received .5 inches of rainfall |   |   |   |   |
| 9/8/2023 | Gastier | Trial received .4 inches of rainfall |   |   |   |   |
| 9/12/2023 | Gastier | Mowed off trial with JD 6155M and 15ft Woods batwing mower | 1-.5 | 0.5 |   |   |
| 9/15/2023 | Gastier | Disked trial down with 7210 and IH Disk | 1-.75 | 0.75 |   |   |
|  |  |  |  |  |  |  |
|  |  | **Total Staff Hours** |  | **46.75** |  | **104.5** |

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