

#### **Background**

New sweet corn hybrids are being bred all the time. These new hybrids need to be tested under an Ontario growing environment and management system in order to select those with optimum performance in an Ontario climate. Having data to support future hybrid purchases will ensure maximum productivity for Ontario sweet corn growers.

#### **Objectives**

- 1. Evaluate the genetic adaptiveness of available sweet corn hybrids to the Ontario climate through observations on key hybrid characteristics.
- 2. Evaluate each hybrid's relative performance as compared to hybrids grown extensively in Ontario's sweet corn program.
- 3. Evaluate each hybrid's potential response to intensive agronomic management practices by creating near-non-limiting growing conditions, namely through increasing planting populations and nitrogen application rate, and the inclusion of a foliar fungicide application.

#### **Materials & Methods**

**Sites:** The trial was duplicated across two sites, separated by 29 days between planting dates in order to separate harvest dates and accommodate mechanical harvest requirements. Site #1 is located near Tupperville, ON and hosted the "early" planting, planted on May 26, 2025. Site #2 is located near Glanworth, ON and hosted the "late" planting, planted on June 24, 2025.

**Setup:** Site #1 trial area was planted into field corn in the 2024 season. Vertical till and disc rip was done in the fall of 2024 and 2 passes of the cultivator were done in the spring of 2025. Site #2 trial area was planted into lima beans in 2024. The field was fall disc ripped followed by 2 passes of the cultivar in the spring.

**Crop Nutrition:** Site #1 had 140 lbs/ac and 180 lbs/ac of nitrogen applied to the Standard and Intensive blocks respectively. Due to a planting error at site #2, both management blocks received the same nitrogen rate of 140lbs/ac.

**Planting:** Each hybrid was planted in plots 4 rows wide, in 30" row width to a length of approximately 17.5 feet. Each hybrid was planted into 9 plots, four of which were under Standard Management and four of which were under Intensive Management. The remaining replication was planted in the Standard Management system and was used to perform pre-harvest assessments to determine optimal harvest. The Standard management blocks were planted at target rates of 20,000 seeds/ac and the Intensive management blocks were planted with a target seeding rate of 27,500 seeds/ac. Prior to planting, all hybrids were placed in one of four harvest groups based on expected maturity. These groups were used to block the trial at planting to ensure that mechanical harvest could work from shorter maturing hybrids to longer season ones.

**Disease Tolerance:** Each hybrid was evaluated on its respective relative tolerance to the major foliar diseases (namely Tar Spot and Northern Corn Leaf Blight (NCLB)) compared to all other hybrids in the trial. At Site #1, there were no foliar disease pressures observed. At Site #2, Tar Spot and Northern Corn Leaf Blight started appearing the second week of

### Sweet Corn Hybrid Evaluations, Ontario (2025)



September in the Standard management block only; however, overall pressures remained very low. All hybrids showed relatively equal pressures of Tar Spot. The majority of hybrids showed very low pressures of NCLB however, some hybrids showed increased susceptibility.

**Foliar Fungicide and Insecticide:** As per the scope, a foliar fungicide was only applied to the Intensive management blocks at tassel. Due to higher aphid pressures occurring near pollen shed at the St. Thomas site, an insecticide was applied to both management blocks.

**Pre-Harvest Maturity Assessment:** The 5th replications were used to collect ears from to perform a moisture and theoretical recovery reading. This information was used to determine the optimal harvest date for each harvest block.

**Harvest Observations:** Prior to harvest, disease pressure, secondary ear production, and overall plant health was evaluated to further understand a hybrid's response to management practice and performance in an Ontatrio growing environment.

Harvest Data Collection: Each plot was harvested in its entirety by a harvester with the stripper plates set to a minimum of 2". The harvester recorded the weight of all harvested ears for each individual plot allowing yield to be calculated on a per plot scale. A representative random composite subsample of 32 ears was collected for each hybrid in both the Standard and Intensive management systems. From each subsample, 24 ears were used to determine theoretical recovery and kernel moisture, while 4 random ears were selected to evaluate cob length and ear diameter to determine kernel depth. The remaining ears were used to set cutter depth. When possible, both harvest samples for a hybrid were cut consecutively.

**Cob Length:** Ears were husked and placed in a measuring tray. Length measurements were taken as the distance from the butt end of the ear to the end of the ear tip and reported in inches.

**Ear Diameter:** After husking, a calliper was used to measure the diameter of the ear and reported in millimeters.

**Cob Diameter:** 4 spent cobs from the theoretical recovery process were selected and diameter was measured using a caliper and reported in millimetres. Kernel depth was reported as the difference between ear and cob diameter measurements.

**Photos:** A picture of the 4 random ears selected for ear measurements was taken while still in the tray. The 4 ear subsample from both the Standard and Intensive management samples were included in one picture when possible.



#### Results

#### Season Summaries:

## Early Planting - Tupperville, ON:

The trial was planted into good soil conditions and adequate moisture. Following planting, daytime and nighttime temperatures remained cool during early vegetative development with sufficient rainfall. The remainder of the season had high temperatures and more sporadic rainfall, with the soil trending drier later in the season. Disease incidence and severity was very low.

Some corn rootworm feeding occurred across the trial area and beetles were present during ear production however, levels remained below threshold and silk clipping was not observed. The rootworm did cause variable amounts of root lodging throughout the trial area with some hybrids appearing to be impacted more than others.

Mechanical harvest started August 19th, eighty-five (85) days after planting and continued until September 2nd, ninety-nine (99) days after planting.

Data presented from this site is of high quality with limited incidence of uncontrollable stressors.

### Late Planting - St. Thomas, ON:

The trial was planted into adequate soil moisture but the site received almost ¾ in of rain the evening the trial was planted in a short burst. This burst caused water to pool in the lowest spots of the trial, causing soil crusting, washouts and denitrification. The areas impacted by this weather event were significantly impacted for the duration of the season in the form of poor stands, stunting, and severe nitrogen deficiencies.

Rainfall for the remainder of the season was very sporadic and overall low. Disease incidence and severity was low with very low pressures of Northern Corn Leaf Blight and Tar Spot starting the second week of September in the Standard management block only. All hybrids showed a good response to fungicide with limited to no foliar diseases noted in the Intensive block. The trial received an insecticide application on August 15th to control corn leaf aphids.

Nitrogen deficiencies were present across the trial site with severity varying across replications and management systems. Note that a planting mishap resulted in both management blocks receiving the lower rate of nitrogen, 140lbs/ac, while the Intensive block was still planted at a higher population which appeared to cause more nitrogen deficiencies and necrosis.

Mechanical harvest started on September 17th, eighty-five (85) days after planting and the final harvest occurred on October 2, one hundred (100) days after planting.

Overall, the late planting experienced multiple stressors that impacted plant health and therefore it is likely that this site did not represent the true potential of the hybrids under evaluations especially in reference to the individual hybrids' response to management practice.





# Yield and Theoretical Recovery:

	Super Sweet Bicolour									
Hyl	brid	Management System	Harvest Date	Avg. Ear Length (in)	Avg. Ear Diameter (mm)	Avg. Aperture (mm)	Kernel Depth (mm)	Moisture (%)	Yield Index	THEORETICAL RECOVERY Index
	Early Planting	Standard	Aug 19	7.75	50	28	11.0	74.00	92	95
HMC594108	Early Planting	Intensive	Aug 19	8.50	50	28	11.0	74.00	107	101
	Late Planting	Standard	Sept 17	7.44	49	28	10.1	73.00	92	97
	Late Flanting	Intensive	Sept 17	7.56	49	29	10.0	74.20	158	104
	Early Planting	Standard	Aug 27	7.50	49	28	10.4	74.51	86	97
BSS8040	Early Flaming	Intensive	Aug 25	7.06	48	28	10.1	73.53	70	94
B330040	Late Planting	Standard	Sept 23	7.94	47	27	10.1	71.29	82	96
	Late Planting	Intensive	Sept 23	7.06	44	27	8.5	71.29	27	94
	Forly Blanting	Standard	Aug 27	8.69	55	31	12.0	73.53	122	108
Shenandoah	Early Planting	Intensive	Aug 25	8.06	52	32	10.0	73.53	123	105
XR	Lete Bleeting	Standard	Sept 23	8.69	52	30	11.4	75.00	126	107
	Late Planting	Intensive	Sept 23	7.88	50	29	10.3	75.00	115	102

	Super Sweet Yellow									
Hyl	orid	Management System	Harvest Date	Avg. Ear Length (in)	Avg. Ear Diameter (mm)	Avg. Aperture (mm)	Kernel Depth (mm)	Moisture (%)	Yield Index	THEORETICAL RECOVERY Index
	Early Planting	Standard	Aug 19	8.25	54	29	12.5	74.16	112	98
Dune	Carry Flaming	Intensive	Aug 19	7.75	52	28	12.0	74.16	110	100
Dune		Standard	Sept 17	7.94	52	28	12.3	71.80	120	98
Late Planting	Intensive	Sept 17	6.69	48	30	8.9	73.30	102	100	
	Fort Direction	Standard	Aug 19	8.25	53	29	12.0	76.61	96	100
December	Early Planting	Intensive	Aug 19	8.25	50	28	11.0	76.61	96	103
Pronghorn	Late Disation	Standard	Sept 17	8.19	54	30	12.0	71.70	102	105
	Late Planting	Intensive	Sept 17	7.94	51	28	11.4	67.20	100	109
	Fash Diantina	Standard	Aug 27	9.25	47	28	9.6	73.79	104	96
Connedies B	Early Planting	Intensive	Aug 25	9.00	50	28	11.0	75.96	100	93
Grenadier R	Late Disstine	Standard	Sept 23	8.81	48	28	10.3	71.84	99	94
	Late Planting	Intensive	Sept 23	8.88	45	27	9.3	71.84	72	95
	Fast: Dianting	Standard	Aug 27	7.88	51	27	12.3	76.92	111	109
OCC20E4	Early Planting	Intensive	Aug 25	8.06	52	26	12.8	74.04	108	104
GSS3951	Lete Diesties	Standard	Sept 23	8.44	50	26	12.4	75.00	126	112
i	Late Planting	Intensive	Sept 23	7.50	45	25	10.1	75.00	99	105





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Hyl	brid	Management	Harvest Date	Avg. Ear Length	Avg. Ear Diamet		Kernel Depth	Moisture (%)	Yield Index	THEORETICAL PECOVERY Ind
		Standard	Aug 25	(in) 9,19	(mm) 48	29	(mm) 9.5	77.67	101	RECOVERY Ind
	Early Planting	Intensive	Aug 25	9.38	49	29	10.3	77.67	101	98
GSS5524			Aug 25						96	
	Late Planting	Standard	Sept 19	8.94	47	28	9.8	72.12		92
		Intensive	Sept 19	8.50	44	28	7.9	72.12	110	93
	Early Planting	Standard	Aug 27	9.00	49	29	10.0	77.45	96	96
HMC592312	, ,	Intensive	Aug 25	7.50	47	28	9.5	75.73	73	92
	Late Planting	Standard	Sept 23	8.69	48	29	9.8	74.74	111	98
		Intensive	Sept 23	8.63	47	27	10.3	74.74	44	95
	Early Planting	Standard	Aug 27	9.06	52	28	12.1	74.26	103	106
HMC594315	Carry Francing	Intensive	Aug 25	9.13	50	28	11.0	76.00	106	101
HWIC594515	Late Planting	Standard	Sept 23	8.69	49	28	10.5	71.57	103	109
	Late Flanting	Intensive	Sept 23	8.06	26	25	10.5	71.57	50	102
	E-t-Di-ti-	Standard	Aug 25	8.06	50	28	10.9	76.70	94	101
	Early Planting	Intensive	Aug 25	8.38	52	28	11.6	76.70	106	98
Olympia		Standard	Sept 19	7.81	49	30	9.3	73.79	109	89
	Late Planting	Intensive	Sept 19	8.25	48	30	9.1	73.79	128	91
		Standard	Aug 25	8.44	53	28	12.5	77.23	92	107
	Early Planting	Intensive	Aug 25	8.44	54	28	13.4	77.23	104	110
SVSK0279		Standard	Sept 19	8.06	51	29	10.8	75.25	101	102
	Late Planting	Intensive	Sept 19	7.94	48	29	9.6	75.25	119	105
		Standard	<del></del>	8.06	55	29	12.8	75.24	95	103
	Early Planting		Aug 25							
SVSK5217		Intensive	Aug 25	7.81	54	29	12.6	75.24	111	104
	Late Planting	Standard	Sept 19	7.56	51	30	10.5	75.25	98	103
	Intensive	Sept 19	7.56	49	29	9.8	75.25	146	105	
	Early Planting	Standard	Aug 25	8.75	53	28	12.5	76.00	110	107
SVSK7434		Intensive	Aug 25	8.31	51	28	11.1	76.00	100	106
	Late Planting	Standard	Sept 19	8.19	51	29	10.8	76.70	102	98
	eato r tarting	Intensive	Sept 19	8.06	51	29	10.8	76.70	116	99
	Early Planting	Standard	Aug 27	9.06	53	31	11.1	75.96	115	100
Teton	Carry Francing	Intensive	Aug 25	8.31	53	32	10.8	74.76	116	100
161011	Late Planting	Standard	Sept 23	8.69	53	30	11.8	70.59	114	110
	Late Flanting	Intensive	Sept 23	7.63	46	28	9.0	70.59	46	102
		Standard	Aug 25	8.31	54	31	11.8	79.00	108	102
	Early Planting	Intensive	Aug 25	7.94	50	31	9.9	79.00	104	104
Zion MXR		Standard	Sept 19	7.94	52	31	10.4	73.00	99	100
	Late Planting									
		Intensive	Sept 19	7.63	48	31	8.8	73.00	115	103
	Early Planting	Standard	Aug 27	8.06	50	27	11.4	72.28	92	94
HMC595321	, , ,	Intensive	Aug 25						96	
	Late Planting	Standard	Sept 23	7.81	49	25	12.0	73.00	105	102
	Late Flaming	Intensive	Sept 23	7.13	46	27	9.8	73.00	44	93
	Early Dianting	Standard	Sept 2	8.06	52	28	11.6	75.49	103	101
CHVD40 4000	Early Planting	Intensive	Sept 2	7.88	52	29	11.8	75.49	113	101
CHYP18-1292	Lata Dia ii	Standard	Oct 2	7.75	52	28	12.0	70.00	104	102
	Late Planting	Intensive	Oct 2	7.25	49	29	10.1	70.00	145	100
								80.20	93	75
		Standard	Sept 2	8.88	45	30	7.4			
	Early Planting	Standard Intensive		8.88 9.13	50	29	10.1	80.20	103	71
SHYP16-1027		Intensive	Sept 2	9.13	50	29	10.1	80.20		71
SHYP16-1027		Intensive Standard	Sept 2 Oct 2	9.13 8.31	50 50	29 31	10.1 9.8	80.20 75.73	83	72
SHYP16-1027		Intensive Standard Intensive	Sept 2 Oct 2 Oct 2	9.13 8.31 8.00	50 50 49	29 31 30	10.1 9.8 9.3	80.20 75.73 75.73	83 133	72 78
SHYP16-1027		Intensive Standard Intensive Standard	Sept 2 Oct 2 Oct 2 Sept 2	9.13 8.31 8.00 8.38	50 50 49 50	29 31 30 28	10.1 9.8 9.3 11.0	80.20 75.73 75.73 77.00	83 133 90	72 78 97
SHYP16-1027	Late Planting	Intensive Standard Intensive Standard Intensive	Sept 2 Oct 2 Oct 2 Sept 2 Sept 2	9.13 8.31 8.00 8.38 7.69	50 50 49 50 52	29 31 30 28 28	10.1 9.8 9.3 11.0 12.0	80.20 75.73 75.73 77.00 77.00	83 133 90 101	72 78 97 97
	Late Planting	Intensive Standard Intensive Standard Intensive Standard	Sept 2 Oct 2 Oct 2 Sept 2 Sept 2 Sept 2 Oct 2	9.13 8.31 8.00 8.38 7.69 7.81	50 50 49 50 52 49	29 31 30 28 28 28	10.1 9.8 9.3 11.0 12.0	80.20 75.73 75.73 77.00 77.00 69.31	83 133 90 101 94	72 78 97 97 100
	Late Planting  Early Planting	Intensive Standard Intensive Standard Intensive Standard Intensive	Sept 2 Oct 2 Oct 2 Sept 2 Sept 2 Sept 2 Oct 2 Oct 2 Oct 2	9.13 8.31 8.00 8.38 7.69 7.81 8.38	50 50 49 50 52 49 51	29 31 30 28 28 28 28	10.1 9.8 9.3 11.0 12.0 10.8 11.8	80.20 75.73 75.73 77.00 77.00 69.31 69.31	83 133 90 101 94 118	72 78 97 97 100 101
	Late Planting  Early Planting  Late Planting	Intensive Standard Intensive Standard Intensive Standard Intensive Standard Standard	Sept 2 Oct 2 Sept 2 Sept 2 Sept 2 Oct 2 Oct 2 Sept 2 Sept 2 Sept 2 Sept 2	9.13 8.31 8.00 8.38 7.69 7.81 8.38 8.19	50 50 49 50 52 49 51	29 31 30 28 28 28 28 27 29	10.1 9.8 9.3 11.0 12.0 10.8 11.8 11.4	80.20 75.73 75.73 77.00 77.00 69.31 69.31 73.79	83 133 90 101 94 118 103	72 78 97 97 100 101
Forerunner	Late Planting  Early Planting	Intensive Standard Intensive Standard Intensive Standard Intensive	Sept 2 Oct 2 Oct 2 Sept 2 Sept 2 Sept 2 Oct 2 Oct 2 Oct 2	9.13 8.31 8.00 8.38 7.69 7.81 8.38	50 50 49 50 52 49 51 52 50	29 31 30 28 28 28 28 27 29	10.1 9.8 9.3 11.0 12.0 10.8 11.8	80.20 75.73 75.73 77.00 77.00 69.31 69.31	83 133 90 101 94 118 103 82	72 78 97 97 100 101
	Late Planting  Early Planting  Late Planting  Early Planting	Intensive Standard Intensive Standard Intensive Standard Intensive Standard Standard	Sept 2 Oct 2 Sept 2 Sept 2 Sept 2 Oct 2 Oct 2 Sept 2 Sept 2 Sept 2 Sept 2	9.13 8.31 8.00 8.38 7.69 7.81 8.38 8.19	50 50 49 50 52 49 51	29 31 30 28 28 28 28 27 29	10.1 9.8 9.3 11.0 12.0 10.8 11.8 11.4	80.20 75.73 75.73 77.00 77.00 69.31 69.31 73.79	83 133 90 101 94 118 103	72 78 97 97 100 101
Forerunner	Late Planting  Early Planting  Late Planting	Intensive Standard Intensive Standard Intensive Standard Intensive Standard Intensive	Sept 2 Oct 2 Sept 2 Sept 2 Sept 2 Oct 2 Oct 2 Sept 2 Oct 2 Sept 2 Sept 2 Sept 2 Sept 2	9.13 8.31 8.00 8.38 7.69 7.81 8.38 8.19 8.75	50 50 49 50 52 49 51 52 50	29 31 30 28 28 28 28 27 29	10.1 9.8 9.3 11.0 12.0 10.8 11.8 11.4 11.3	80.20 75.73 75.73 77.00 77.00 69.31 69.31 73.79 73.79	83 133 90 101 94 118 103 82	72 78 97 97 100 101 105 108
Forerunner	Late Planting  Early Planting  Late Planting  Early Planting  Late Planting	Intensive Standard Intensive Standard Intensive Standard Intensive Standard Intensive Standard Intensive Standard	Sept 2 Oct 2 Sept 2 Sept 2 Oct 2 Oct 2 Oct 2 Oct 2 Oct 2 Sept 2 Oct 2 Sept 2 Sept 2 Oct 2 Sept 2 Oct 2	9.13 8.31 8.00 8.38 7.69 7.81 8.38 8.19 8.75	50 50 49 50 52 49 51 52 50 47	29 31 30 28 28 28 27 29 28 28	10.1 9.8 9.3 11.0 12.0 10.8 11.8 11.4 11.3 9.8	80.20 75.73 75.73 77.00 77.00 69.31 69.31 73.79 73.79	83 133 90 101 94 118 103 82 68	72 78 97 97 100 101 105 108
Galaxy IMP	Late Planting  Early Planting  Late Planting  Early Planting	Intensive Standard Intensive Standard Intensive Standard Intensive Standard Intensive Standard Intensive Standard Intensive	Sept 2 Oct 2 Sept 2 Sept 2 Oct 2 Oct 2 Oct 2 Oct 2 Oct 2 Sept 2 Oct 2 Sept 2 Oct 2 Sept 2 Oct 2	9.13 8.31 8.00 8.38 7.69 7.81 8.38 8.19 8.75 8.13	50 50 49 50 52 49 51 52 50 47	29 31 30 28 28 28 27 29 28 28 28 29	10.1 9.8 9.3 11.0 12.0 10.8 11.8 11.4 11.3 9.8 10.6	80.20 75.73 75.73 77.00 77.00 69.31 69.31 73.79 73.79 73.27	83 133 90 101 94 118 103 82 68 95	72 78 97 97 100 101 105 108 108
Forerunner	Late Planting  Early Planting  Late Planting  Early Planting  Late Planting	Intensive Standard	Sept 2 Oct 2 Sept 2 Sept 2 Oct 2 Oct 2 Oct 2 Oct 2 Oct 2 Sept 2 Oct 2 Sept 2 Oct 2 Sept 2 Sept 2 Sept 2 Sept 2 Oct 2 Sept 2 Oct 2 Sept 2 Oct 2 Sept 2	9.13 8.31 8.00 8.38 7.69 7.81 8.38 8.19 8.75 8.13 8.38	50 50 49 50 52 49 51 52 50 47 50	29 31 30 28 28 28 28 27 29 28 28 28 29	10.1 9.8 9.3 11.0 12.0 10.8 11.8 11.4 11.3 9.8 10.6 10.6	80.20 75.73 75.73 77.00 77.00 69.31 69.31 73.79 73.79 73.27 73.27 77.45	83 133 90 101 94 118 103 82 68 95	72 78 97 97 100 101 105 108 108 108



# SU Yellow

Hybrid		Management System	Harvest Date	Avg. Ear Length (in)	Avg. Ear Diameter (mm)	Avg. Aperture (mm)	Kernel Depth (mm)	Moisture (%)	Yield Index	THEORETICA RECOVERY Index
	Fork Dianting	Standard	Aug 19	8.50	50	27	11.5	66.25	78	109
Anton	Early Planting	Intensive	Aug 19	8.00	48	26	11.0	66.25	101	113
Azlan	Late Dienting	Standard	Sept 17	8.00	52	29	11.5	66.30	96	108
	Late Planting	Intensive	Sept 17	6.56	47	28	9.5	67.90	99	107
	Fash Diagram	Standard	Aug 19	7.75	48	27	10.5	61.45	101	93
CCUVD47 4040	Early Planting	Intensive	Aug 19	7.75	46	27	9.5	61.45	117	95
CSUYP17-1218	Lata Diantina	Standard	Sept 17	8.31	49	30	9.8	63.90	87	90
	Late Planting	Intensive	Sept 17	7.25	47	29	8.9	65.00	119	91
	Factor Diagration	Standard	Aug 19	9.25	54	33	10.5	67.80	88	89
1511 3030	Early Planting	Intensive	Aug 19	8.75	53	31	11.0	67.80	92	93
IFU-7073	Lata Diamila	Standard	Sept 17	8.94	55	32	11.5	71.70	103	96
Late Planting	Intensive	Sept 17	8.25	53	32	10.5	70.80	142	100	
Early Planting		Standard	Aug 27	8.06	51	29	11.3	67.65	115	100
	Intensive	Aug 25	7.44	49	27	10.8	69.31	102	96	
GH6462	GH6462	Standard	Sept 23	7.56	49	27	11.1	67.96	104	101
Late Plan	Late Planting	Intensive	Sept 23	7.44	49	26	11.5	67.96	100	100
		Standard	Aug 27	8.63	50	28	11.1	63.73	96	100
	Early Planting	Intensive	Aug 25	7.38	49	28	10.5	63.37	91	97
HMC594404	I -4- Di-4	Standard	Sept 23	8.19	51	27	12.0	63.37	111	102
	Late Planting	Intensive	Sept 23	7.38	49	27	11.1	63.37	101	104
		Standard	Aug 27	8.94	48	27	10.6	67.65	113	97
	Early Planting	Intensive	Aug 25	8.69	49	26	11.4	69.23	116	95
HMC595406		Standard	Sept 23	7.88	47	27	10.3	67.31	113	90
	Late Planting	Intensive	Sept 23	7.50	43	26	8.8	67.31	44	87
		Standard	Aug 27	8.31	49	28	10.6	62.38	103	110
	Early Planting	Intensive	Aug 25	7.88	47	28	9.8	63.73	92	110
SVSU5824		Standard	Sept 23	8.25	52	27	12.4	65.35	110	113
	Late Planting	Intensive	Sept 23	7.25	47	27	9.8	65.35	86	110
		Standard	Sept 2	8.88	50	28	11.1	59.22	107	103
	Early Planting	Intensive	Sept 2	7.31	48	28	10.3	59.22	88	102
Enterprise		Standard	Oct 2	7.13	47	29	9.4	55.00	77	99
	Late Planting	Intensive	Oct 2	7.38	47	29	8.9	55.00	109	101



## **Appendix**

# Weather- Early Planting 2025

May	High (*C)	Low (°C)	Daily HU	Daily Precip. (mm)
26	21	7	7	0.00
27	23	10	12	0.00
28	15	13	7	2.50
29	20	13	12	0.00
30	25	13	16	0.00
31	16	8	4	0.00

June	High (°C)	Low (*C)	Daily HU	Precip. (mm)
1	20	6	5	0.00
2	25	6	10	0.00
3	29	13	20	0.00
4	31	15	23	10.20
5	18	14	11	47.00
6	22	13	14	0.00
7	25	12	15	0.00
8	25	13	16	0.00
9	24	16	18	3.80
10	24	12	14	0.00
11	29	14	21	0.00
12	23	15	16	0.00
13	24	14	16	0.30
14	26	14	18	1.00
15	27	13	18	0.00
16	27	15	20	0.00
17	30	17	24	0.00
18	27	20	24	81.50
19	23	18	19	7.40
20	25	17	20	6.40
21	30	19	26	0.30
22	33	25	34	0.00
23	34	24	34	0.00
24	34	24	34	3.00
25	26	19	23	0.30
26	31	18	26	0.00
27	31	19	27	0.00
28	27	18	23	0.00
29	29	16	23	0.00
30	29	19	25	0.00

		_		Daily
Luba	High	Low	Daily	Precip.
July	(°C)	(°C)	HU	(mm)
1	30	21	28	0.00
2	30	17	24	0.00
3	27	18	23	0.00
4	29	16	23	0.00
5	33	19	29	0.00
6	34	22	32	0.30
7	25	18	21	0.30
8	28	16	22	0.00
9	28	19	24	32.00
10	31	18	26	0.30
11	30	18	25	36.10
12	31	21	29	0.80
13	31	23	31	0.00
14	30	21	28	0.00
15	30	17	24	0.00
16	29	19	25	2.80
17	26	16	20	0.00
18	23	13	14	0.00
19	27	12	17	1.50
20	25	16	19	1.30
21	23	14	15	0.00
22	26	12	16	0.00
23	29	13	20	0.00
24	33	20	30	0.00
25	29	20	26	0.30
26	28	20	25	1.80
27	32	23	32	32.80
28	32	20	29	0.00
29	31	20	28	0.30
30	29	18	24	9.90
31	24	15	17	11.20

August	High (*C)	Low (*C)	Daily HU	Daily Precip. (mm)
1	24	13	15	0.00
2	25	11	14	0.00
3	27	13	18	0.00
4	27	14	19	0.00
5	28	16	22	0.00
6	28	19	24	0.00
7	27	19	23	0.00
8	29	18	24	0.00
9	30	21	28	0.00
10	32	20	29	0.00
11	32	21	30	0.00
12	31	21	29	53.80
13	29	19	25	12.70
14	28	16	22	0.00
15	29	16	23	0.00
16	32	17	26	0.00
17	25	17	20	3.30
18	24	14	16	0.00
19	24	14	16	16.80
20	23	19	20	0.00
21	24	16	18	0.00
22	27	14	19	0.00
23	25	17	20	0.00
24	25	13	16	7.10
25	22	11	12	4.10
26	21	9	9	0.30
27	23	8	10	0.00
28	22	12	13	0.30
29	18	7	5	0.30
30	22	6	7	0.00
31	23	7	9	0.00

September	High (*C)	Low (°C)	Daily HU	Daily Precip. (mm)
1	25	11	14	0.00
2	26	10	14	0.00

 Total Air HU
 2029

 Total Precip. (mm)
 394.10

 Total Precip. (in.)
 15.52

Daily HUs were calculated using daily maximum and minimum temperatures.

# Weather- Late Planting 2025

June	High (*C)	Low (°C)	Daily HU	Daily Precip. (mm)
24	34	22	32	17.8
25	29	21	27	0.0
26	28	18	23	1.8
27	29	17	23	1.3
28	26	17	21	0.0
29	29	15	22	0.0
30	28	18	23	7.4

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July	High (*C)	Low (°C)	Daily HU	Daily Precip. (mm)
1	29	20	26	0.0
2	29	16	23	4.3
3	26	16	20	0.3
4	28	13	19	0.0
5	32	19	28	0.0
6	32	23	32	0.3
7	25	18	21	0.3
8	26	17	21	0.0
9	26	18	22	10.2
10	30	18	25	0.0
11	30	20	27	5.6
12	32	21	30	3.8
13	30	22	29	10.2
14	31	21	29	0.0
15	30	17	24	0.0
16	30	18	25	0.0
17	25	15	18	0.5
18	25	11	14	0.0
19	26	12	16	0.0
20	24	16	18	4.3
21	25	13	16	0.0
22	26	13	17	0.0
23	29	13	20	0.0
24	32	18	27	30.7
25	32	11	21	0.3
26	27	19	23	0.0
27	31	20	28	4.1
28	31	17	25	0.0
29	32	19	28	0.0
30	30	18	25	0.3
31	23	15	16	23.6

August	High (*C)	Low (°C)	Daily HU	Daily Precip. (mm)
1	25	12	15	0.0
2	26	11	15	0.0
3	27	12	17	0.0
4	28	15	21	0.0
5	29	17	23	0.0
6	28	19	24	0.0
7	27	17	22	0.0
8	28	18	23	0.0
9	30	19	26	0.0
10	31	19	27	0.0
11	31	19	27	0.0
12	32	23	32	0.8
13	29	19	25	17.3
14	29	16	23	0.0
15	30	17	24	0.0
16	31	16	24	0.0
17	27	17	22	34.0
18	24	14	16	0.0
19	22	13	14	12.2
20	23	19	20	0.3
21	26	17	21	0.0
22	26	13	17	0.0
23	25	15	18	1.0
24	24	15	17	2.8
25	21	12	12	0.3
26	20	10	9	0.0
27	22	9	10	0.0
28	21	13	13	0.3
29	18	7	5	0.0
30	21	6	6	0.0
31	24	7	10	0.0

September	High (°C)	Low (°C)	Daily HU	Daily Precip. (mm)
1	25	10	14	0.0
2	26	12	16	0.0
3	26	11	15	0.0
4	19	10	8	10.9
5	23	9	11	0.0
6	19	10	8	0.0
7	19	7	5	0.0
8	20	5	5	0.0
9	23	8	10	0.0
10	25	10	14	0.0
11	27	11	16	0.0
12	27	12	17	0.0
13	25	12	15	0.0
14	28	10	16	0.0
15	28	14	20	0.0
16	29	13	20	0.0
17	29	12	19	0.0
18	29	10	17	0.0
19	26	14	18	0.0
20	25	12	15	0.0
21	26	12	16	24.1
22	25	18	21	4.6
23	25	18	21	0.0
24	23	17	18	4.1
25	22	14	14	0.0
26	26	13	17	0.3
27	26	13	17	0.0
28	26	13	17	0.0
29	28	11	17	0.0
30	27	11	16	0.0

October	High (°C)	Low (*C)	Daily HU	Daily Precip (mm)
1	22	9	10	0.0
2	23	9	11	0.0

 Total Air HU
 1935

 Total Precip. (mm)
 240.10

 Total Precip. (in.)
 9.45

Daily HUs were calculated using daily maximum and minimum temperatures.

