

**nN. Y. S. 2015 PROCESSING SWEET CORN VARIETY  
REPLICATED AND OBSERVATION (su and supersweet type) TRIAL SUMMARY**

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The trial was located at the Vegetable Research Farm in Geneva, NY. The objective was to harvest su gene type at 72-75% moisture and the supersweet type at 75-78% moisture. Plot size for the replicated entries was 2 rows, 40 feet in length, and 30 inches between the rows. An early planting of su cultivars was planted on 5/21. A second su planting was sowed on 5/29. A single planting of the supersweet type (four replications) was planted on 6/22. Yield data were taken from a single harvest of a 20 feet section of each of the two rows (40 row feet total). A subsample of 15 ears was used for ear data.

Observation plot size was 2 rows, 40 feet in length, and 30 inches between the rows. There were two plots of each cultivar at each planting. Planting dates were the same as the replicated plots. All plantings were sowed with a Monosem vacuum planter with double disc openers. The fertilizer used was a 15-5-10 (with Mn and Zn) at a rate of 350 lbs. per acre. Fertilizer was banded two inches below and two inches to the side of the seeds at planting. Bicep Lite (at the labeled rate) was applied post emergence for weed control. Desired population was 19,000 plants per acre (11 inches in row spacing). One cultivation was made to enhance weed control and to sidedress N (was done roughly 30 days from planting (400 pounds of 22-0-0 per acre)). The varieties GH4927 (Syngenta Seeds), HMX2390 (Harris Moran) and Bonus (Syngenta Seeds) were used as standards for the su type. GSS1453, from Syngenta Seeds, was used as the supersweet standard.

It was on the dry side until the first of June when rain became nonstop until mid July. Temperatures were a bit below average other than a hot period the middle of July. The su planting was planted into good soil conditions and emergence was uniform. Much of the supersweet planting was handplanted after marking rows and laying fertilizer with the planter.. **Maturity varied within the plot for some varieties and among the replications for most.** Heat units over the entire growing season were a bit below average. See Weather Summary table. The bacterial disease Stewarts Wilt was minimal to nonexistent. Common Smut and Common Rust infection were minimal. NCLB was again evident although it probably did not affect yield. This disease seems to be more common and a bit more severe the past few years.

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Table 1. Cultivar List

Su Type	Seed Source	Trial type		Supersweet Yellow cont:	Seed Source
CSUYYP13-616	Crookham	ESU trial	Msu trial	CSHYP10-403	Crookham
SC 1263	Seminis	ESU trial	Msu trial	GSS7877	Syngenta
Cash (2673)	Crites	ESU trial	Msu trial	SV 1339 SK	Seminis
HMX3347	HM	ESU trial	Msu trial	Hardi G15	Crookham
GH 4927 (std)	Syngenta	ESU trial	Msu trial	GSS 3951	Syngenta
CSUYYP13-728	Crookham	ESU trial	Msu trial	GVS1610	GV
Dynamo	HM	ESU trial	Msu trial	Aubade	GV
HMX2390 std	HM	ESU trial	Msu trial	ACX 3083RD	A&C
Prelude (std)	Crites	ESU trial	Msu trial	ACX 3780MR	A&C
GH9394	Syngenta	ESU trial	Msu trial	HMX0372	HM
ZUY1284	Crites	ESU trial	Msu trial	Overland (std)	Syngenta
GH 3333	Syngenta		Msu trial	Escalate (2786)	Crites
Bonus (std)	Syngenta		Msu trial	GSS 1453 std	Syngenta
GH 6462	Syngenta		Msu trial		
Salyna	Crookham		Msu trial		
HMX0398	HM		Msu trial		
Rocker	Syngenta		Msu trial	<b>White Supersweet</b>	
Stud (white)	Crookham		Msu trial	Placer (HMX2348WS)	HM
				XTH3174	IFD
<b>Supersweet (yellow)</b>				Ice Queen	Harris Moran
1470 XR	IFD			GVS0210	GV
1972 XR	IFD			Glacial	A&C
HMX3344YS	HM			CSHWP9-371	Crookham
Owatonna	Harris Moran			3879XR	IFD
CSHYP10-435	Crookham			1760MR	A&C
Summer Sweet Hi Glow MS 7401 IMP	A&C			Snogum	Crites
ACX 3552R	A&C			Devotion	Seminis
Mint (HMX 0375)	HM			CSHWP11-456	Crookham
SV5541SK	Seminis			WSS 3681 (std)	Syngenta
XTH1679	IFD			SV1580SC	Seminis
GSS3071	Syngenta				
Summer Sweet 007R (7132RY)	A&C			<b>Bicolor</b>	
WI 13 7689	A&C			CSAPB12-534	Crookham
Summer Sweet 3081MR	A&C				
HMX3346YS	HM				
HMX0376	HM				
1980XR	IFD				
Summer Sweet Hi Glow 3590MR	A&C				
SV 1514 SK	Seminis				
Delphy (HMX 9389S)	HM				

**Table 2. Esu (early su) planting date 5/21**

Cultivar	Days to silk	Heat Units to Silk	Days to Harv.	Heat Units to Harvest	Moist. %	Seed Source Maturity
GH 4927 (std)	64	1177	91	1705	69.4	75
SC 1263	65	1193	91	1705	70.3	73
CSUYP13-616	66	1216	91	1705	69.4	72 day
Prelude (std)	67	1224	92	1722	69.6	79
CSUYP13-728	68	1249	92	1730	70.8	77
Dynamo	68	1256	92	1733	73.3	78
Cash (2673)	68	1249	92	1728	70.4	74
HMX3347	68	1252	92	1722	70.3	74
ZUY1284	68	1238	92	1728	70.9	midearly
HMX2390 std	68	1255	93	1738	72.4	78
GH9394	69	1278	95	1777	72.9	79

**Table 2A. Msu (mainseason su) planting date 5/29**

Cultivar	Days to Silk	Heat Units to Silk	Days to Harv.	Heat Units to Harvest	Moist. %	Seed Source Maturity
CSUYP13-616	59	1228	84	1727	71.3	72 day
SC 1263	62	1291	86	1756	74.3	73
GH 4927 (std)	61	1264	86	1768	70.7	75
HMX3347	62	1297	87	1777	72.3	74
CSUYP13-728	62	1297	87	1783	73.0	77
Prelude (std)	63	1322	88	1789	71.8	79
Dynamo	63	1328	88	1796	72.4	78
Cash (2673)	64	1337	88	1794	72.9	74
ZUY1284	64	1338	88	1789	72.5	midearly
GH9394	66	1377	90	1816	73.5	79
HMX2390 std	66	1378	91	1831	73.4	78
GH 3333	66	1388	93	1862	73.7	80
Salyna	67	1397	93	1866	73.3	85
Bonus (std)	68	1424	94	1876	74.0	83
Rocker	70	1453	94	1875	72.9	85
HMX0398	67	1406	94	1880	73.0	85
GH 6462	68	1425	95	1885	73.0	83
Stud (white)	67	1399	95	1889	74.2	84

Days to silk - The number of days from planting until plots had 50% of plants showing silks.

Heat Units to Silk - Growing Degree Day Units Base 50 Degrees F. - The accumulation of degree day units from planting until silk.

Days to harvest - The number of days from planting until harvest.

Heat Units to Harvest - Growing Degree Day Units Base 50 Degrees F. The accumulation of degree day units from planting until harvest.

% Moisture at Harvest - Percent Moisture of the harvest sample - A slurry of cut kernels was dried to determine the percent moisture.

Days after hail until harvest - The number of days from hail date until harvest.

Seed Source Maturity - Maturity in days provided by the seed source.

**Table 3. Ear and Kernel Ratings Main Su planting date 5/21**

Cultivar	Ear Unif.	Ear Shape	Oval / Round	Kernel Rowing	Kernel size	Kernel Depth	Kernel Depth	Row Range	Pericarp Rating	Flavor Rating
GH 4927 (std)	G-VG	CY	R	ST-SL I	M	10.7	M	14-22	OK-T	OK
SC 1263	VG	CY-SL T	R-SL O	ST-SL I	M	11.2	M-D	14-22	S-OK	OK
CSUYP13-616	G-VG	CY	R	ST-SL I	M	11.5	M	12 to 18	OK-T	OK
Prelude (std)	VG	CY-SL T	R-SL O	ST-SL I	S-M	10.4	M	16-22	OK-T	OK
CSUYP13-728	VG-EX	CY-SL T	R	ST-SL I	M	11.0	M-D	16-22	OK-T	OK
Dynamo	G-VG	T	R	ST-SL I	S-M	10.5	M-D	14-20	T	BLAH
Cash (2673)	G-VG	CY-SL T	R	ST-SL I	M	11.3	M-D	16-22	OK-T	OK
HMX3347	G-VG	CY	R	ST	M	11.2	M	14-22	OK-T	OK
ZUY1284	VG	SL T	R-SL O	ST-SL I	S-M	10.4	SH-M	16-24	OK-T	OK
HMX2390 std	VG	SL T	R-SL O	ST-SL I	S-M	10.3	M	16-22	OK-T	OK
GH9394	VG	CY	R	ST	M	11.2	M-D	14-20	OK	OK

**Table 3A. Ear and Kernel Ratings Main Su planting date 5/29**

Cultivar	Ear Unif. Rating	Ear Shape Rating	Oval / Round Rating	Kernel Rowing Rating	Kernel size Rating	Kernel Depth (mm)	Kernel Depth Rating	Kernel Row Range	Pericarp Rating	Flavor Rating
CSUYP13-616	VG	CY	R	ST-SL I	M	10.8	M	12 to 18	S-O	OK
SC 1263	VG	CY-SL T	R	ST-SL I	M	10.8	M	14-22	S-O	OK
GH 4927 (std)	VG	CY	R	ST-SL I	M	10.7	M	14-20	OK-T	OK
HMX3347	VG	CY	R	ST	M	11.4	M-D	16-20	OK-T	OK
CSUYP13-728	VG-EX	CY	R	ST-SL I	M	10.7	M	16-22	OK	OK
Prelude (std)	VG	CY-SL T	R-SL O	ST-SL I	S-M	10.8	M	16-22	OK	OK
Dynamo	VG	T	R	ST-SL I	M	11.8	M-D	14-20	T	BLAH
Cash (2673)	VG	CY	R-SL O	ST	M	11.4	M	16-22	OK	OK
ZUY1284	VG	CY	R	ST-SL I	M	10.8	M	16-22	OK	OK
GH9394	VG-EX	CY	R	ST-SL I	M	11.0	M	14-18	OK	OK
HMX2390 std	VG	CY-SL T	R	SL I	S-M	11.1	M-D	14-22	OK-T	OK
GH 3333	VG	SL T	R	ST-SL I	M	10.7	M	16-20	OK	OK
Salyna	G-VG	CY-SL T	R	ST-SL I	M	10.6	SH-M	14-20	OK-T	OK
Bonus (std)	VG	CY	R	ST-SL I	S-M	10.1	M	16-22	OK-T	OK
Rocker	VG	CY	R	ST-SL I	M	10.5	SH-M	14-22	OK	OK
HMX0398	VG	CY-SL T	R	ST-SL I	M	11.3	M-D	16-20	OK	OK
GH 6462	VG-EX	CY	R	ST-SL I	M	11.4	M	14-22	OK	OK
Stud (white)	VG	V CY	R	ST	M	11.9	M-D	14-20	OK	OK

Ear Uniformity (Rating) – Ex=excellent (entire sample was the same length, diameter and uniform tip fill); VG=very good; G=good; F=fair; P=poor

Ear Shape Rating - CY=cylindrical; SL T=slightly tapered; T=tapered.

Oval/round (Rating) – R=round; SL O=slightly oval; O=oval.

Kernel Rowing (Rating) – (The straightness of the rows of kernels.) St=straight; SL I=slightly irregular; IRR=quite irregular.

Kernel Size Rating – S=small, M=medium, L=large

Kernel Depth - The measurement of how deep the kernel was in millimeters.

Kernel Depth (Rating) – S=shallow, M=moderate, D=deep

Row # - The number of rows around an ear listed as a range.

Flavor (Rating) – Bl=Blah, OK=acceptable, Good=better than acceptable, SW=sweet

Pericarp (Rating) – S=soft, OK=acceptable, T=tough

## Column Descriptions for Tables 4 and 8.

**Husk Extension** - The measurement in inches of the distance from the tip of the cob to where the husk opens. A negative measurement indicates exposed kernels. Exposed kernels can make the ear more susceptible to insect or bird feeding.

**Ear Length** - The measurement in inches of the husked ear butt to tip.

**Ear Diameter** - The measurement in inches of the diameter of the middle of the ear.

**Kernel Row Range** - The range of the number of rows counted on the ear sample.

**Unfilled Tip** - The measurement in inches of the tip of the ear that had not formed kernels.

**Weight. per Unhusked Ear** - The weight in pounds of an unhusked ear. (Total yield weight divided by total number of ears harvested.) Comparing (weight per unhusked ear from total harvest) to the sample unhusked weight per ear indicates how valid the sampling technique is.

**Sample Wt. per Unhusked Ear** - The weight in pounds of an unhusked ear based on the sample 15 ears brought in from the field.

**Sample Husked ear weight** - The weight in pounds of a husked ear based on the sample.

**Sample Kernel Weight per ear** - The weight in pounds of the kernels cut from the ear.

**Plants per acre** - Plant Population per acre of the harvested plot (multiply number in the column by 1000). Harvest plot was one row by 20 ft per replication.

**Ears per plant** - The number of ears harvested divided by the number of plants in the harvest area.

**Moisture percentage** - Percent Moisture of the harvest sample - A slurry of cut kernels was dried to determine the percent moisture.

**Tons per Acre** - The extrapolated yield of the plot listed as tons per acre. Harvest plot was two rows by 15 ft (30 row feet) per replication.

**Table 4. Ear and Yield Data - esu planting date 5/21**

Cultivar	Husk Ext. (in)	Ear Length (in)	Ear Diameter	Unfill Tip (in)	(Sample) Unhusked Wt. Per Ear	(Sample) Husked Ear Wt. Per Ear	Kernel Weight Per Ear	Plants per acre (1000)	Ears per Plt.	Moist. %	Tons Per Acre	Rec. %	Overall ear eval.
GH 4927 (std)	1.5	7.6	1.8	0.1	0.79	0.57	0.36	16.9	0.94	69.4	6.4	45.2	3.8
SC 1263	1.0	7.5	2.0	0.4	0.82	0.65	0.44	15.5	0.89	70.3	5.8	52.8	3.6
CSUY13-616	1.0	7.9	1.9	0.5	0.79	0.61	0.37	17.4	0.90	69.4	6.1	46.9	3.5
Prelude (std)	1.4	7.6	1.9	0.2	0.78	0.57	0.38	16.8	0.89	69.6	6.0	48.6	3.8
CSUY13-728	2.2	8.4	2.1	0.7	0.92	0.71	0.48	16.2	0.96	70.8	7.2	52.4	4.3
Dynamo	2.4	8.1	1.9	0.8	0.79	0.56	0.35	17.9	0.91	73.3	6.3	44.7	3.8
Cash (2673)	1.9	7.6	2.1	0.5	0.83	0.63	0.41	17.2	0.96	70.4	6.8	49.6	3.7
HMX3347	1.5	8.0	1.9	1.1	0.82	0.59	0.38	16.8	0.96	70.3	6.6	47.1	3.3
ZUY1284	1.6	7.5	1.9	0.2	0.81	0.59	0.38	16.7	0.96	70.9	6.5	46.8	3.9
HMX2390 std	1.0	7.9	1.8	0.2	0.81	0.59	0.35	16.9	0.92	72.4	6.0	43.2	3.8
GH9394	2.5	7.5	1.9	0.3	0.80	0.56	0.37	16.7	0.94	72.9	6.2	45.5	4.0

Headings explained on page 8

**Table 4A. Ear and Yield Data - esu planting date 5/29**

Cultivar	Husk Ext. (in)	Ear Length (in)	Ear Diam. (in)	Unfill Tip (in)	(Sample) Unhusked Wt. Per Ear (lb)	(Sample) Husked Wt. Per Ear (lb)	(Sample) Kernel Wt. per Ear (lb)	Plants per Acre (1000)	Ears per Plant	Moist. %	Tons per Acre	Rec. %	Overall ear rating
CSUY13-616	1.3	7.7	1.9	0.3	0.84	0.61	0.37	17.6	0.97	71.3	7.1	44.0	3.9
SC 1263	0.7	8.0	2.0	0.5	0.89	0.68	0.44	15.4	1.09	74.3	6.8	49.4	3.9
GH 4927 (std)	1.4	7.7	1.9	0.1	0.87	0.63	0.39	16.7	1.04	70.7	7.4	44.6	3.9
HMX3347	1.6	7.8	2.0	0.5	0.92	0.66	0.45	17.8	0.98	72.3	7.7	48.4	3.9
CSUY13-728	2.0	7.9	2.1	0.0	0.96	0.70	0.46	13.8	1.00	73.0	6.7	47.6	4.2
Prelude (std)	1.1	7.6	2.0	0.1	0.87	0.64	0.43	17.3	1.01	71.8	7.5	49.1	4.1
Dynamo	2.1	8.1	2.0	0.5	0.88	0.63	0.42	17.4	1.03	72.4	7.8	47.9	3.9
Cash (2673)	1.7	7.9	2.0	0.7	0.90	0.69	0.44	17.3	0.96	72.9	7.6	48.6	4.0
ZUY1284	1.3	7.6	2.0	0.2	0.91	0.63	0.49	16.0	1.00	72.5	7.3	53.3	3.8
GH9394	2.2	7.8	1.9	0.2	0.85	0.61	0.40	15.8	1.03	73.5	6.8	47.5	4.2
HMX2390 std	0.8	8.4	1.9	0.5	0.86	0.67	0.41	17.5	0.99	73.4	7.4	47.9	3.9
GH 3333	0.8	8.3	2.0	0.3	0.93	0.72	0.44	15.2	1.00	73.7	6.4	47.7	4.1
Salyna	1.5	8.4	2.0	0.5	1.01	0.73	0.45	14.4	1.04	73.3	7.5	45.0	4
Bonus (std)	1.4	7.9	1.9	0.5	0.91	0.66	0.41	17.9	1.02	74.0	7.8	45.1	4.1
Rocker	2.4	7.7	1.9	0.4	0.98	0.66	0.41	16.1	0.99	72.9	7.6	42.1	4.1
HMX0398	1.0	8.7	2.0	0.4	0.96	0.72	0.47	17.3	1.03	73.0	8.8	49.3	4.2
GH 6462	1.7	7.8	2.0	0.2	0.96	0.74	0.47	15.4	0.99	73.0	7.1	48.5	4.3
Stud (white)	1.9	8.8	2.0	0.7	0.94	0.74	0.44	16.4	1.00	74.2	8.0	46.5	4.1

Headings explained on page 8



**Table 5. Plant Characteristics su type**

Cultivar	Plt. Ht. <sup>1</sup> (in)	Ear Ht. <sup>1</sup> (in)	Plt. Ht. <sup>2</sup> (in)	Ear Ht. <sup>2</sup> (in)
CSUYP13-616	68	10	73	17
SC 1263	68	13	70	19
GH 4927 (std)	68	12	71	20
HMX3347	67	12	74	19
CSUYP13-728	76	13	78	22
Prelude (std)	73	13	76	21
Dynamo	69	17	74	24
Cash	72	14	74	23
ZUY1284	77	16	72	19
GH9394	79	19	83	25
HMX2390 std	74	19	69	23
GH 3333			75	22
Salyna			68	24
Bonus (std)			71	22
Rocker			82	26
HMX0398			76	24
GH 6462			75	25
Stud (white)			82	26

<sup>1</sup> planting date 5/21

<sup>2</sup> planting date 5/29

**Plant Heights** – The measurement of the plant in inches from the base of the stalk to the top of the tassel. Ten plants were measured from each plot.

**Ear Heights** – The measurement from the base of the stalk to the node at the base of the primary ear. Ten plants were measured from each plot.

## **Additional Comments Su type**

**CSUP13-616** – Decent plant but ear closer to the ground than it should be for commercial harvest. Growing conditions were not favorable though this year. Good tip fill. Not a deep kernel but a small inner cob that would positively affect recovery. Ear uniformity was as good or better in the later planting. Worth a look on a trial basis.

**SC1263** – Decent plant. Deep kernels. A hint of oval and slight curve to be watched. Very good ear uniformity. Good kernel quality.

**GH4927** – Quite susceptible to NCLB. Small cob. Ear uniformity not what we usually see. Very good tip fill. Good kernel depth.

**HMX 3347** – One rep in the early planting quite poor (ears were short and not filled and not uniform) which affected overall rating in that first planting. Small cob. Decent kernel depth. Good kernel color. Ears a bit close to the ground. Better ear uniformity in both plantings would have resulted in a higher overall rating.

**CSUYP13-728** – Overall ear rating of very good to excellent. Large ears with excellent fill and very good ear uniformity. Good kernel depth although a bigger cob. Recovery seems to be good. Looked good in both plantings. Worth a look on a trial basis.

**Prelude** – Some NCLB. Shorter ears with a hint of oval. Nice kernel color. Ear uniformity much better in the second planting. Good yield.

**Dynamo** – Some NCLB. Ear uniformity lacking in the early planting but looked better in the second planting. Good kernel color. Small cobs with deeper kernels. Tough pericarp and minimal flavor.

**Cash** – Some NCLB. Good kernel color. Not completely filled but uniformly so. Small cob. Very good ear uniformity in both plantings. Looked a bit better in the second planting compared to the first planting.

**ZUY 1284** – Nice ear uniformity. A hint of oval seen in the first planting. Good kernel color. Small cob.

**GH 9394** – Very good to excellent ear uniformity. Excellent tip fill. Small cob and very good kernel depth. Did well in both plantings. Should be trialed on a commercial basis.

**HMX 2390** – Cob can have a slight curve to it and a hint of oval. Small cob that enhanced recovery. Small kernels with golden color. Yields well.

**GH3333** – Plant stand thinner than many others which hurt yield. Very good ear uniformity and tip fill. Small cob.

**Salyna** – Thinner plant stand than many others. Some NCLB. Long ears. Kernel depth a bit shallow but harvested a bit young.

**Bonus** – Solid plant. Some NCLB. Very good ear uniformity. Yielded well.

**Rocker** – Very good ear uniformity. Blunt, cylindrical ears. Recovery was on the low side but a harvested a bit young.

**HMX 0398** – Very good ear uniformity. Small cob with deep kernels. Yielded very well.

**GH6462** – Very good ear uniformity and tip fill. Good kernel depth. Very good overall ear rating.

**STUD** – White su. Very good ear uniformity. Ear not filled but uniformly so. Small cob with deep kernels. Yielded well.

## **Cultivar Descriptions Provided by the Seed Source (Su type)**

**CSUP13-616** – Crookham, early

**SC1263** – *Seminis, yellow se, early season maturity (73 days or 1530 heat units), 74 inch plant height, 22 inch ear height, 8.0 inch ear length, 2.0 inch ear diameter, average row count is 18, HR for common rust(RpD+RpG), IR MDMV, commercially available.*

**Cash (2673)** – *Crites, midearly su yellow processor, 74 days to maturity, 7.8 inch ear length, 2.2 inch cob width, average row number 18, plant and ear height both medium, IR for common rust, SU for NCLB, IR for SW and Southern Leaf Blight, tolerant to Accent herbicide, high quality petite kernels.*

## **Cultivar Descriptions provided by the Seed Source (su type)**

**HMX 3347** – Harris Moran, Yellow, 74 days to maturity, 23 cm ear length with 16-18 row counts, 5.2 cm ear diameter, Disease Resistance: HR for MDMV.

**GH4927** – Syngenta, 75 days to maturity, stout plant, Rpli gene for rust resistance, Poast herbicide tolerance.

**CSUYP13-728** – Crookham,

**Dynamo** – Harris Moran; yellow heterozygous se; 78 days to maturity (Jubilee – 2); 6.75' plant height; 2.5' ear height; 16-18 row count; 8.7" ear length; 1.9" ear diameter; 7.9 mm kernel width; 10.9 mm kernel depth; resistant to common rust; MS to NCLB; MR to MDM; M to Stewart's wilt; M to common smut; M to anthracnose leaf blight.

**HMX 2390** – Harris Moran, 78 days to maturity, 84 inch plant height, 30 inch ear height, 8.3 inch ear length, 1.8 inch ear diameter, 18-20 rows, yellow su, high yielding, improved disease resistance (fusarium), intermediate resistance to Common rust, susceptible to both MDMV and NCLB, intermediate resistance to Stewarts wilt and Common Smut, medium kernel style developed for processor market.

**Prelude (std)** – Crites, is an extremely high yielding medium early processing hybrid. Its exceptional quality is unique for its maturity. It is suitable as an early and midseason variety. Prelude has performed well across the USA in the early to mid planting slots. 2-3 days earlier than Jubilee, very sweet with an excellent flavor. Eats like an se type. Field holding ability and hence harvest window is excellent. Cob size is moderate but very consistent. High recovery, Moderated to good stalk strength with reasonable tolerance to stalk rots, can be grown right throughout the season, although is only slightly stronger in the stalk than Jubilee, tolerant to the chemicals Accent and Callisto, moderate multigenic tolerance to rust, moderately susceptible to NLB, MDMV, SW, SLB and Grey Leaf Spot, Worth trialing where you want Jubilee type quality or you need it in an earlier variety, where you want good establishment across a wide range of conditions with improved Smut tolerance and stalk strength, do not plant into high disease pressure times or areas of severe storm activity.

**GH 9394** – Syngenta; 79 days to maturity; similar to GH3333 but a few days earlier.

**ZUY 1284** – Crites,

**GH3333** – Syngenta, 80 days to maturity, i gene for rust, HR for Et, high quality.

**Bonus** – Syngenta; 83 day (main season processor) (1750 heat units) normal su type; 7.5' plant height; 36" ear height; 18-22 row count; 8" ear length; 1.8" diameter; 11mm kernel depth; produces ears with exceptional uniformity of size, shape and style which promotes efficient processing; petite kernel and golden yellow color give it a gourmet appearance; excellent husk length minimizes potential for bird damage; sturdy clean plant that harvests easily; resistant to common rust (RP1d gene); tolerant to MDMV, Stewart's wilt and NCLB.

**GH6462** – Syngenta; 83 days to maturity; double rust genes d, g – some NCLB, SCLB, MDMV and Stewarts tolerance; great % recovery and good finished quality and color.

**Salyna** – Crookham; old & new rust resistance, MDMV resistance; good plant health; maturity similar to GH 9597.

**HMX 0398** – Harris Moran, Yellow, 85 days to maturity, 22 cm ear length with 18-20 row counts, 5.0 cm ear diameter, Disease Resistance: IR for Et, MDMV, Ps and d for AlleleRp1.

**Rocker** – Syngenta, su type, 85 days to maturity (1793) heat units, 8.5 ft. plant height, 38 inch ear height, 8.25 inch ear length, 1.85 inch ear diameter, 18-20 rows, 11mm average kernal depthRp1-d & g genes for rust resistance, tolerant to maize dwarf mosaic virus. Poast herbicide tolerance.

**STUD (83258)** – Crookham; White, 84 days to maturity, 9.5 inch ear length with 16-18 row count, 1.9 inch ear diameter, 37 inch ear height, 108 inch plant height, Disease: Cr (HR-RpGFJ), SW (HR), NCL (IR)

**Table 6. Maturity (Supersweet gene type planting date 6/22)**

Cultivar	Days To Silk	Heat units to silk	Days to Harv.	Heat units to harv.	% Moist	Seed Company Maturity
1470 XR	56	976	80	1442	76.4	70
1972 XR	55	955	80	1442	76.6	73
HMX3344YS	57	1001	81	1470	74.6	74
Owatonna	56	976	81	1470	76.4	74
CSHYP10-435	58	1018	83	1521	75.4	75
XTH1679	59	1039	83	1521	75.6	78
CSHYP10-403	60	1064	86	1549	75.9	81
1980XR	61	1076	86	1549	76.8	80
ACX 3552R	60	1064	86	1549	77.9	76
S Sweet 007R	61	1085	86	1549	75.9	78
WI 13 7689	59	1048	86	1549	76.0	78
S Sweet 3081MR	61	1076	87	1554	77.4	79
HMX3346YS	60	1064	87	1554	76.0	79
Mint	60	1070	87	1554	77.3	77
GVS1610	59	1045	87	1554	77.5	82
Aubade	60	1051	87	1554	77.4	82
ACX 3083RD	61	1095	88	1564	76.1	82
HMX0372	61	1094	88	1564	75.0	83
ACX 3780MR	63	1124	89	1579	76.3	82
HMX0376	61	1095	89	1579	75.5	80
S Sw. Hi Glow 3590MR	62	1108	89	1579	77.1	81
Delphy	62	1104	89	1579	77.4	81
Hardi G15	61	1095	89	1579	76.4	82
GSS3071	62	1115	90	1598	77.0	78
SV5541SK	63	1124	90	1598	79.0	77
GSS7877	62	1117	90	1598	78.0	81
SV 1514 SK	61	1098	90	1598	80.2	81
GSS 3951	63	1126	90	1598	76.8	82
Escalate	64	1154	90	1598	77.3	84
SV 1339 SK	64	1143	93	1650	76.6	82
GSS 1453 std	63	1134	93	1650	75.9	84
<b>Whites</b>						
S Sw Hi Glow MS 7401	60	1057	86	1549	75.9	75
Ice Queen	60	1094	86	1543	74.8	77
GVS0210	60	1094	86	1543	78.2	78
Glacial	62	1128	88	1577	76.9	79
Placer	61	1113	88	1577	77.6	76
XTH3174	62	1128	88	1577	77.1	76
Devotion	63	1141	91	1629	76.6	82
CSHWP9-371	63	1141	91	1629	76.5	80
3879XR	63	1141	91	1629	76.1	81
1760MR	64	1149	92	1632	78.6	82
Snogum	62	1128	92	1632	76.6	82
CSHWP11-456	64	1150	92	1632	75.8	82
WSS 3681 (std)	62	1128	92	1632	76.0	83
SV1580SC	63	1134	92	1632	76.8	81
<b>Bicolor</b>						
CSAPB12-534	65	1166	92	1632	75.3	81

See Table 2 for heading descriptions.

**Table 7. Ear and Kernel Ratings**

Cultivar	Ear Unif. Rating	Ear Shape Rating	Oval / Round Rating	Kernel Rowing Rating	Kernel Size Rating	Kernel Depth (mm)	Kernel Depth Rating	Kernel Row Range	Pericarp Rating	Flavor Rating
1470 XR	G	CY	R	ST-SLI	M-L	11.5	M	12 20	OK	OK-G
1972 XR	G-VG	CY	R	ST-SLI	M	10.6	SH-M	14-20	OK	OK-G
HMX3344YS	G	SL T	R	ST-SLI	M	10.5	SH-M	12 20	OK	OK
Owatonna	G-VG	CY	R	ST-SLI	M	11.1	M	14-18	OK	OK-G
CSHYP10-435	G-VG	CY	R	ST-SLI	M-L	11.6	M	12 20	OK-T	OK-G
XTH1679	VG	CY	R-SL O	ST-SLI	M	11.5	M	14-22	OK	OK
CSHYP10-403	G-VG	SL T	R	ST-SLI	S-M	11.5	M-D	14-22	OK-T	OK-G
1980XR	VG	CY	R-SL O	ST-SLI	M	11.7	M	14-18	OK	OK-G
ACX 3552R	G	CY	R-SL O	ST-SLI	M	11.6	M	16-22	OK	OK
S Sweet 007R	G-VG	CY	R	ST-SLI	M	11.8	M-D	14-20	OK	OK-G
WI 13 7689	VG	CY	R	ST-SLI	M	11.1	M	14-20	OK	OK-G
S Sweet 3081MR	VG	CY-SL T	R	ST-SLI	M	11.6	M	16-22	OK-T	OK-G
HMX3346YS	G-VG	CY-SL T	R	ST-SLI	M	11.6	M	16-22	OK-T	OK
Mint	G-VG	CY	R	ST-SLI	M	11.8	M-D	16-22	OK-T	OK
GVS1610	VG-EX	V CY	R	ST-SLI	M	11.9	M-D	14-22	OK	G
Aubade	G-VG	CY	R	ST-SLI	M	11.8	M-D	14-22	OK-T	G
ACX 3083RD	G	T	R	ST-SLI	M	12.5	M-D	14-22	OK-T	OK-G
HMX0372	G-VG	V CY	R	ST-SLI	M	11.2	SH-M	14-20	OK-T	OK-G
ACX 3780MR	G-VG	CY	R	ST-SLI	M	12.6	D	14-20	OK-T	OK-G
HMX0376	VG	CY	R	ST-SLI	M	12.1	M-D	14-18	OK-T	OK-G
S Sw. Hi Glow 3590MR	F-G	CY-SL T	R	ST-SLI	M	12.0	M-D	16-22	OK	OK
Delphy	VG-EX	CY	R	ST-SLI	S-M	12.4	M-D	16-20	OK-T	G
Hardi G15	F-G	SL T	R	ST-SLI	M	12.0	M-D	14-22	OK-T	OK
GSS3071	G-VG	CY	R	ST-SLI	M	12.6	D	14-20	OK	OK
SV5541SK	G-VG	SL T	R	ST-SLI	M	12.2	D	16-22	OK	BLAH
GSS7877	VG	CY	R	ST-SLI	M	11.0	M	14-20	OK-T	OK
SV 1514 SK	VG	CY	R	ST-SLI	S-M	11.9	M-D	16-22	OK-T	OK-G
GSS 3951	G-VG	CY	R	ST-SLI	M	11.9	M-D	16-22	OK-T	OK
Escalate	G	CY	R	ST-SLI	M	12.2	M-D	16-22	OK	OK
SV 1339 SK	G-VG	CY	R	ST-SLI	M	12.4	D	16-22	OK-T	BLAH
GSS 1453 std	G-VG	CY	R	ST-SLI	M	12.7	D	16-22	OK	OK
S Sw Hi Glow MS 7401	G-VG	CY	R	ST-SLI	M	11.1	M	14-22	S-OK	G-S
Ice Queen	G-VG	CY	R	ST-SLI	M	10.9	M	12 18	OK-T	OK
GVS0210	G-VG	V CY	R	ST-SLI	M	10.3	SH-M	12 20	S-OK	G
Glacial	G-VG	CY	R	ST-SLI	M	10.5	SH-M	12 20	S-OK	G
Placer	VG	CY	R	ST-SLI	M	11.7	M	14-20	S-OK	OK-G
XTH3174	VG-EX	V CY	R	S	M	10.3	SH-M	14-20	S-OK	G
Devotion	VG-EX	SL T	R	ST-SLI	M	11.7	M	12 20	OK-T	OK-G
CSHWP9-371	VG-EX	CY-SL T	R	S	M	12.0	M-D	12 18	OK	OK
3879XR	VG-EX	CY	R	ST-SLI	M	11.1	M	16-22	OK-T	OK-G
1760MR	VG	CY	R	ST-SLI	S-M	10.7	M	14-20	OK-T	OK-G
Snogum	VG	SL T	R	ST-SLI	M	11.0	M	12 20	OK-T	OK-G
CSHWP11-456	VG	CY-SL T	R	ST-SLI	M	11.6	M	14-20	OK	G
WSS 3681 (std)	G	CY	R	ST-SLI	M	11.9	M	14-18	OK-T	OK-G
SV1580SC	VG-EX	CY	R	ST-SLI	M	11.6	M	12 20	OK-T	OK-G
CSAPB12-534	G	CY	R	ST-SLI	M	10.4	SH-M	12 18	OK	G

**Table 8. Ear and Yield Data (supersweet gene type)**

Cultivar	Ear Length (in)	Ear Diam. (in)	Unfill. Tip (in)	Tip Cover (in)	Sample unhusked wt per ear (lb.)	Sample husked wt per ear (lb.)	Sample kernel wt per ear (lb.)	Plants Per Acre (1000)	% Moist	Tons per acre	Recov. %	Overall ear eval.
<b>Yellow</b>												
1470 XR	7.8	2.0	0.6	1.6	0.82	0.62	0.40	17.0	76.4	6.6	48.7	3.2
1972 XR	8.1	2.1	0.7	1.1	0.90	0.69	0.44	16.7	76.6	6.2	48.1	3.4
HMX3344YS	8.3	1.9	1.0	0.3	0.80	0.58	0.35	17.1	74.6	6.7	44.3	3.0
Owatonna	8.1	1.9	1.1	1.6	1.39	0.60	0.39	17.5	76.4	6.7	39.7	3.4
CSHYP10-435	7.3	2.1	1.4	0.8	0.76	0.61	0.38	16.3	75.4	5.9	50.2	2.2
XTH1679	7.5	2.0	0.3	1.5	0.81	0.64	0.40	17.2	75.6	6.9	49.5	3.8
CSHYP10-403	8.0	2.1	1.4	1.1	0.86	0.66	0.43	17.2	75.9	6.4	50.2	3.3
1980XR	8.3	2.1	0.3	1.0	0.93	0.75	0.49	17.8	76.8	7.7	52.8	3.6
ACX 3552R	7.4	2.2	0.7	2.2	0.93	0.71	0.47	15.9	77.9	6.5	49.8	2.8
S Sweet 007R	7.6	2.0	0.8	1.6	0.82	0.62	0.44	17.9	75.9	6.8	53.2	3.3
WI 13 7689	7.7	2.0	0.6	1.1	0.80	0.60	0.41	17.4	76.0	6.5	51.4	3.8
S Sweet 3081MR	7.4	2.1	0.3	0.8	0.82	0.65	0.44	17.8	77.4	6.7	53.8	3.9
HMX3346YS	8.6	2.1	0.9	0.7	1.00	0.73	0.49	16.6	76.0	7.8	49.3	3.8
Mint (HMX 0375)	8.0	2.0	0.8	1.0	0.87	0.64	0.39	17.6	77.3	7.7	44.9	3.8
GVS1610	7.7	2.0	0.2	1.1	0.84	0.66	0.45	17.6	77.5	7.3	53.5	4.4
Aubade	7.4	2.0	0.5	2.8	0.84	0.62	0.42	17.2	77.4	7.0	50.1	3.8
ACX 3083RD	7.7	2.1	0.4	0.1	0.84	0.68	0.42	17.6	76.1	7.1	50.5	3.6
HMX0372	7.9	1.9	0.6	0.2	0.81	0.62	0.40	17.1	75.0	7.0	48.9	3.5
ACX 3780MR	7.6	2.1	0.6	0.3	0.84	0.66	0.43	17.5	76.3	7.3	51.1	3.4
HMX0376	7.6	2.0	0.5	0.8	0.82	0.65	0.43	18.0	75.5	7.2	51.5	3.8
S Sw. Hi Glow 3590MR	7.7	2.1	0.7	1.3	0.87	0.69	0.45	17.1	77.1	7.1	51.5	2.6
Delphy	7.8	1.9	0.3	0.3	0.84	0.67	0.43	16.8	77.4	6.6	51.7	4.3
Hardi G15	7.8	2.0	0.9	2.2	0.90	0.65	0.44	17.8	76.4	7.1	48.1	3.1
GSS3071	7.7	2.0	0.6	0.5	0.85	0.65	0.47	18.4	77.0	9.1	55.0	3.6
SV5541SK	7.7	2.2	1.0	1.7	0.96	0.77	0.50	16.1	79.0	7.6	52.3	3

**Table 8 continued. Ear and Yield Data (supersweet gene type)**

Cultivar	Ear Length (in)	Ear Diam. (in)	Unfill. Tip (in)	Tip Cover (in)	Sample unhusked wt per ear (lb.)	Sample husked wt per ear (lb.)	Sample kernel wt per ear (lb.)	Plants Per Acre (1000)	% Moist	Tons per acre	Recov. %	Overall ear eval.
GSS7877	8.5	2.0	0.3	0.7	0.95	0.73	0.50	17.7	78.0	7.8	52.8	4.3
SV 1514 SK	7.7	2.2	0.5	2.3	0.98	0.76	0.51	17.4	80.2	8.4	52.3	3.9
GSS 3951	7.8	2.0	0.5	1.1	0.88	0.67	0.45	18.0	76.8	8.1	51.4	3.7
Escalate	8.2	2.1	1.0	-0.2	0.88	0.71	0.46	17.4	77.3	7.2	52.4	3.5
SV 1339 SK	8.1	2.3	1.1	0.5	1.08	0.88	0.55	16.3	76.6	8.7	51.0	3.7
GSS 1453 std	7.8	2.1	0.4	-0.7	0.92	0.73	0.52	18.8	75.9	9.1	57.0	4.0
<b>Whites</b>												
S Sw Hi Glow MS 7401 IMP	7.6	2.0	0.7	0.8	0.81	0.63	0.41	17.6	75.9	6.8	50.3	3.2
Ice Queen	7.7	1.9	0.4	0.9	0.80	0.57	0.34	14.2	74.8	5.9	42.8	3.7
GVS0210	7.6	1.8	0.3	1.3	0.83	0.54	0.34	10.9	78.2	3.9	40.5	3.7
Glacial	7.8	2.0	0.4	1.7	0.88	0.64	0.41	10.1	76.9	na	47.1	3.6
Placer	8.1	2.1	0.3	0.7	0.98	0.73	0.44	14.8	77.6	na	45.2	4.0
XTH3174	7.9	2.0	0.4	1.9	0.84	0.66	0.40	8.5	77.1	na	47.4	4.1
Devotion	7.7	2.0	0.2	1.4	0.89	0.65	0.45	na	76.6	na	50.6	4.2
CSHWP9-371	8.2	1.9	0.5	0.7	0.87	0.66	0.45	10.5	76.5	na	52.0	4.3
3879XR	7.7	2.0	0.6	1.3	0.85	0.66	0.45	14.8	76.1	na	52.8	4.1
1760MR	7.8	1.9	0.2	2.3	0.88	0.61	0.40	na	78.6	na	45.7	4.2
Snogum	8.0	2.0	0.7	1.8	0.89	0.64	0.43	na	76.6	na	48.9	4.1
CSHWP11-456	8.2	2.0	0.7	1.5	0.93	0.70	0.48	na	75.8	na	50.9	3.8
WSS 3681 (std)	7.9	1.9	0.5	0.0	0.73	0.61	0.43	na	76.0	na	59.0	3.3
SV1580SC	7.7	1.9	0.0	1.3	0.86	0.62	0.44	na	76.8	na	50.8	4.3
<b>Bicolor</b>												
CSAPB12-534	7.9	2.0	1.0	2.7	0.87	0.66	0.44	na	75.3	na	50.8	3.5

**Table 9. Plant Characteristics (Supersweet gene type)**

Cultivar	NCLB Rating	Plt Ht (in)	Ear ht. (in)
1470 XR	M-S	93	19
1972 XR	M-S	93	22
HMX3344YS	M	85	19
Owatonna	M	87	21
CSHYP10-435	M	85	22
XTH1679	M-S	91	22
CSHYP10-403	M	117	26
1980XR	M	89	24
ACX 3552R	M-S	82	18
Summer Sweet 007R	SEV	95	87
WI 13 7689	M-S	86	24
Summer Sweet 3081MR	M-S	90	23
HMX3346YS	M-S	87	22
Mint	M	82	19
GVS1610	M-S	92	22
Aubade	M-S	94	21
ACX 3083RD	M-S	85	20
HMX0372	M	80	20
ACX 3780MR	M	92	20
HMX0376	SL-M	89	26
Sr Swt Hi Glow 3590MR	M	91	24
Delphy	M	92	25
Hardi G15	M	85	23
GSS3071	SL-M	96	27
SV5541SK	M-S	88	23
GSS7877	SL-M	77	22
SV 1514 SK	M	102	23
GSS 3951	M-S	85	23
Escalate	SL-M	99	22
SV 1339 SK	M	89	27
GSS 1453 std	SL	98	20
Summer Sweet Hi Glow MS 7401 IMP	M-S	81	22
Ice Queen	M-S		
GVS0210	M		
Glacial	M		
Placer	M-S	87	20
XTH3174	M-S	102	27
Devotion	M		
CSHWP9-371	M-S		
3879XR	M		
1760MR	SL-M		
Snogum	SL-M		
CSHWP11-456	SL-M		
WSS 3681 (std)	SEV		
SV1580SC	M		
CSAPB12-534	SL		

**NCLB Rating** – N=None; SI=minor lesions, MOD=moderate level of infection,SEV=severe



**Table 10. Earlier planting date for the supersweets. Single plot of each.**

Cultivar	Days to harv.	# Stalks	Estimated Plants per acre (1000)	# Ears	Yield (lbs)	Yield plot unhusked wt per ear	Sample unhusked wt per ear	Sample husked wt per ear	kernel wt per ear	recov. %	Tip Cover (in)	Unfill Tip (in)	Ear Length (in)	Ear Diameter (in)	% Moist.	Overall ear eval.
<b>yellow</b>																
1470 XR	83	32	15 K	30	20.9	0.70	0.84	0.62	0.42	50.2	2.0	0.7	7.4	2.0	78.5	3.5
1972 XR	83	20	16	20	18	0.90	0.87	0.65	0.40	45.5	1.4	0.6	7.7	2.0	78	3
HMX3344YS	82	35	16	35	32.3	0.92	0.83	0.59	0.36	43.6	1.2	0.5	8.2	1.9	74.5	3
Owatonna	87	35	16	34	28.5	0.84	0.90	0.65	0.38	42.4	1.2	1.0	8.4	1.9	77.5	3.75
CSHYP10-435	82	39	16	39	34.4	0.88	0.98	0.76	0.48	48.4	0.7	0.6	8.0	2.1	76	3.5
ACX 3552R	83	30	15	30	23.5	0.78	0.80	0.62	0.37	46.4	2.1	1.0	7.8	1.9	79.5	3
Mint (HMX 037)	87	30	16	30	26.3	0.88	0.95	0.63	0.29	30.6	0.5	0.4	8.5	1.9	79.5	3.75
SV5541SK	87	32	16	30	29.7	0.99	0.97	0.68	0.34	35.1	1.3	1.2	8.8	2.0	80	3.75
XTH1679	82	40	18	37	36.7	0.99	0.85	0.69	0.41	48.5	1.0	0.7	8.4	2.0	77	3.5
GSS3071	87	33	18	30	23	0.77	0.76	0.58	0.35	46.5	1.2	0.1	7.5	1.9	79.5	4
S Sweet 007R	87	32	16	30	25.1	0.84	0.82	0.62	0.40	48.9	1.7	0.4	8.3	1.9	77	3.75
Summer Sweet	87	32	17	30	26.7	0.89	0.86	0.69	0.44	50.7	0.4	0.5	8.7	2.0	77.5	3.5
HMX3346YS	87	30	18	30	28.5	0.95	0.88	0.69	0.43	48.9	1.6	1.2	8.8	2.0	77	3.5
HMX0376	95	40	18	38	36.3	0.96	0.85	0.63	0.40	47.4	1.1	0.2	7.1	2.0	76	3.75
1980XR	95	40	18	37	39.1	1.06	0.93	0.77	0.50	53.5	1.5	0.6	8.4	2.1	75.5	3.5
S Sw. Hi Glow	96	32	17	35	30.3	0.87	0.91	0.76	0.47	51.4	0.5	1.3	9.0	2.0	76.5	3.75
SV 1514 SK	96	34	16	30	27	0.90	0.91	0.68	0.45	49.9	2.2	0.9	7.6	2.1	79	3.75
Delphy (HMX 9	96	30	17	30	23.6	0.79	0.85	0.63	0.40	47.0	1.9	0.0	7.4	1.9	78	4
CSHYP10-403	95	42	16	40	34.6	0.87	0.94	0.73	0.47	50.2	1.6	0.9	8.6	2.1	74.5	3.25
GSS7877	96	33	17	30	28.8	0.96	0.97	0.71	0.47	48.0	1.0	0.6	8.9	2.0	77	3.75
SV 1339 SK	96	32	16	30	27.7	0.92	0.95	0.78	0.52	54.3	0.7	1.3	8.4	2.2	78.5	3.75
Hardi G15	96	35	18	35	29.8	0.85	0.90	0.69	0.45	50.4	2.4	0.8	8.6	2.0	76	4
GSS 3951	95	43	19	43	35.7	0.83	0.86	0.64	0.41	47.1	1.2	0.6	7.8	1.9	77	3.75
GVS1610	97	30	17	30	25.4	0.85	0.90	0.70	0.46	51.3	1.8	0.3	7.5	2.0	76.5	4

<b>Table 10 continued:</b>																
Cultivar	Days to harv.	# Stalks	Estimated Plants per acre (1000)	# Ears	Yield (lbs)	Yield plot unhusked wt per ear	Sample unhusked wt per ear	Sample husked wt per ear	kernel wt per ear	recov. %	Tip Cover (in)	Unfill Tip (in)	Ear Length (in)	Ear Diameter (in)	% Moist.	Overall ear eval.
Aubade	96	31	16	30	26.4	0.88	0.81	0.61	0.40	49.8	2.5	0.4	7.5	1.9	78	3.75
ACX 3083RD	95	40	18	35	25.4	0.73	0.81	0.66	0.41	50.1	-1.0	0.6	8.4	2.0	75.5	3.5
ACX 3780MR	96	35	17	30	24	0.80	0.89	0.76	0.46	51.3	-1.3	0.8	9.1	2.0	75.5	3.75
HMX0372	95	35	16	36	28.1	0.78	0.85	0.62	0.37	44.1	0.4	0.7	8.1	1.9	75.5	4
Overland (std)	96	30	17	30	24.9	0.83	0.88	0.68	0.42	47.8	0.2	0.7	8.5	2.0	78	3.75
Escalate (2786)	95	38	16	34	26.6	0.78	0.86	0.72	0.44	50.3	0.8	0.7	8.7	2.0	77.5	3.75
GSS 1453 std	96	31	16	30	26.6	0.89	0.86	0.67	0.43	49.7	0.2	0.5	8.3	1.9	77.5	3.75
<b>white</b>																
S Sw. Hi Glow	83	26	15	25	21.2	0.85	0.87	0.59	0.31	35.4	1.1	0.9	8.0	1.9	79	4
CSHWP9-371	95	40	18	39	33.1	0.85	0.91	0.69	0.42	45.9	0.7	0.3	8.1	1.9	77	4
3879XR	95	35	18	35	32.2	0.92	0.81	0.65	0.41	50.2	1.4	0.4	8.0	2.0	76.5	3.5
1760MR	97	33	16	30	25.5	0.85	0.90	0.62	0.38	42.0	2.0	0.1	8.0	1.9	78.5	4.25
Snogum	95	35	16	34	28.7	0.84	0.89	0.62	0.40	45.5	1.5	0.7	7.8	1.9	77	4
Devotion	95	38	17	35	25.1	0.72	0.79	0.58	0.36	45.4	1.8	0.3	7.6	1.9	77	3.5
CSHWP11-456	95	37	17	35	26.7	0.76	0.86	0.62	0.37	43.1	1.0	0.7	7.9	1.9	75.5	3.75
WSS 3681 (std)	95	30	16	37	22.9	0.62	0.76	0.62	0.42	55.4	0.6	0.5	7.8	1.9	76	3.5
SV1580SC	97	31		30	23	0.77	0.84	0.61	0.39	46.2	1.1	0.2	8.0	1.9	77	4
<b>bicolor</b>																
CSAPB12-534	95	35	17	38	26.6	0.70	0.80	0.56	0.30	37.0	2.5	0.7	8.3	1.8	78	3.75
BSS5362 std	97	22	12	22	16.8	0.76	0.84	0.65	0.30	35.1	0.0	0.2	8.3	1.9	78	3.5

No tons per acre as I did not harvest a fixed area for each  
Missing entires were not planted due to rain

This planting was the demonstration planting for the field day. A single plot of two rows by 30 ft. Planted 5/20.

## Additional Comments Supersweets

**1470XR** – Short plants. Some NCLB. Good sized ear for this early. A few ears had smut. Ear uniformity hurt ear rating. Big cob.

**1972XR** – Short plants. One rep had three smut ears. Variable tip fill. Ear uniformity hurt overall ear rating.

**HMX3344YS** – Short plants with ears close to the ground. Tips not filled. Marginal tip cover. Slightly curved ears in each rep which was the major reason that overall ear rating was lower. Good to very good ear uniformity.

**Owatonna** – Good to very good ear uniformity. Big cob and shallow kernels impacted recovery.

**CSHYP10-435** – Short, poorly filled ears in every replication. Unacceptable overall ear rating.

**XTH 1679** – Very good ear uniformity. Many ears had a hint to a definite oval. This was the major reason for lower overall ear rating. Other traits were very good.

**CSHYP10-403** – Two reps had good ears, one was average and last rep had short, poorly filled ears indicating that it might not do well under stress.

**1980 XR** – Moderate NCLB. Good to very good ear uniformity. A few slightly curved ears. A hint of oval. Big cob although it had good recovery percentage.

**ACX 3552R** – Moderate NCLB. Two reps of four had poorly filled, short ears. Other two reps had acceptable ears. May not deal with stress well.

**Summer Sweet 007R (7132RY)** – NCLB symptoms quite severe. Ear uniformity good to very good. Variable tip fill with some being quite poor.

**WI 13 7689** – Shorter, cylindrical ear with smaller kernels and good tip fill. Ear uniformity very good. A few ears with slight curve to them.

**Summer Sweet 3081MR** – Moderate symptoms of NCLB. Shorter, well filled ears. Ear uniformity very good except one replication. One rep had many small ears in yield plot. Good kernel depth. One smut ear found.

**HMX3346YS** – Long, slightly tapered ears. Good to very good ear uniformity. Tip fill a bit variable.

**Mint (HMX 0375S)** – Long, cylindrical, slender ears that were not entirely filled. Ear uniformity was only good to very good. Small cob with good kernel depth.

**GVS 1610** – Good plant. Blunt, cylindrical ears with excellent fill. Very good to excellent ear uniformity, medium to deep kernels, small cob and good recovery percentage. Should be looked at commercially on a small scale basis. Highest overall ear rating.

**Aubade** – Good to very good ear uniformity. Blunt, cylindrical ears with good tip fill. Decent kernel depth with a small cob. A little sweeter than most.

**ACX 3083RD** – Ear uniformity only in the good range. Most ears had good fill. Marginal tip cover.

**HMX 0372S** – Good to very good ear uniformity. Marginal tip cover. Variable tip fill. Three reps yielded well and had good stands. The other one did not.

**ACX 3780MR** – One replication was very poor. Other three reps had good to very good ear uniformity. Good yield.

**HMX0376S** – Some exposed tips resulted in insect injury. Blunt, cylindrical, uniform ears. Small cob.

**Summer Sweet Hi Glow 3590MR** – Ear uniformity was only fair. Many short unfilled ears. Unacceptable overall ear rating.

**Delphy** – Moderate NCLB. Picked quite hard. Blunt, cylindrical, well filled ears with a small cob and deep kernels. Very good to excellent ear uniformity. One of the higher overall ear ratings.

**Hardi G15** – Shorter, cylindrical ears not entirely filled. A few ears poor fill. Medium to deep kernels with a small cob. Quite a bit of variation between the replications.

**GSS3071** – Ears in two reps very uniform while not as good in other two reps. Small cob with medium to deep kernels. 2<sup>nd</sup> highest recovery percentage in the trial. Excellent yield.

## Comments continued:

**SV5541SK** – Large diameter ears that cut hard. Plant population was lower than it should have been. Deep kernels. Some ears had poor fill.

**GSS7877** – Very good ear uniformity. Long, cylindrical ears. Small cob with deeper kernels resulting in very good recovery.

**SV1514SK** – Moderate to severe NCLB. Harvested young. Most ears good uniformity. Deep kernels. Yielded well.

**GSS 3951** – Good to very good ear uniformity. Medium to deep kernels with a small cob. Very good yield.

**Escalate (2786)** – Longer, larger diameter ear. Exposed ear tips. Variable tip fill with some on the poor side. Small cob.

**SV1339SK** – Good to very good ear uniformity. Heavy, large diameter ears that had trouble going through the cutter. Higher population would minimize that problem. Deep kernels with a big cob. Minimal sugar.

**GSS1453** – Good to very good ear uniformity. Small cob with deeper kernels. Exposed tips. Highest recovery percentage in the trial. Excellent yield.

## White

**Many of the whites did not have sufficient stand populations to permit a yield harvest.**

**Summer Sweet Hi Glow (MS7401)** – Shorter ears with good to very good ear uniformity. Had a higher sweetness rating than most. One poor replication skewed the overall ear rating.

**Ice Queen** – Good to very good ear uniformity. Shorter ears. A hint of oval on a few ears.

**GVS0210** – Slender, cylindrical ears with good tip fill. Small cob. Good flavor. Harvested young.

**Glacial** – Good to very good ear uniformity. Kernels on the shallow side.

**Placer** – Very good ear uniformity. Kernel depth a bit on the shallow side that resulted in lower recovery percentage. Harvested on the young side. Overall ear rating was very good.

**XTH3174** – Very good to excellent ear uniformity. Good tip fill. Shallower kernels although harvested a bit on the young side. Overall ear rating very good.

**Devotion** – Moderate NCLB. Shorter ears. Very good to excellent ear uniformity and tip fill. Overall ear rating very good.

**CSHWP9-371** – Very good to excellent ear uniformity. Small cob with medium to deep kernels.

**3879XR** – Very good to excellent ear uniformity. Overall ear rating very good.

**1760MR** – Very good ear uniformity. Very good to excellent tip fill. Tip cover may be excessive. Overall ear rating very good.

**Snogum** – Very good ear uniformity. Good kernel depth and small cob. Overall ear rating very good.

**CSHWP11-456** – Long, slender, tapered ears. Very good ear uniformity. A hint of oval on a few ears. Kernels a bit shallow.

**WSS 3681**- Severe NCLB that impacted ear uniformity. Small cob with excellent recovery.

**SV1580SC** – Slender, cylindrical, well filled ears. Very good to excellent ear uniformity. Very good overall ear rating.

## Bicolor

**CSAPB12-534** – Ear uniformity was only good. Variable tip fill with some being poor. Tip cover a bit excessive. Kernels a bit shallow.

## **Descriptions Provided by the Seed Source (Supersweets)**

**1470 XR** – IFSI, Early.

**1972 XR** – IFSI; 73 days to maturity; early processor with very strong yield and recovery data.

**HMX3344YS (A80504R)** – Harris Moran; 74 days to maturity; status 2; IR for MDMV

**Owatonna** – Harris Moran, Yellow, 74 days to maturity, 22 cm ear length with 16-18 row counts, 5.1 cm ear diameter, Disease Resistance: HR for MDMV, IR for Et and Ps, d for Allele Rp1.

**CSHYP10-435** – Crookham,

**Summer Sweet Hi Glow (MS7401)** – Abbott & Cobb, yellow, 75 days to maturity, 8.5 inch ears with 18-20 row counts, Disease Tolerance for MDMV.

**ACX 3552R** – Abbott & Cobb; color yellow; 76 days to maturity; 18-22 row count; 9-9.5" ear length; HR for MDMV

**Mint (HMX 0375S)** – Harris Moran; 77 days to maturity; 16-18 row count; 8" ear length; 2" ear diameter; kernel color yellow; good disease resistance; good yield; very nice plant; IR for Et, MDMV, and Ps.

**SV5541SK** – Seminis; 77 days to maturity; color yellow; Heat units 1620; avg. plant height 80"; ear height 30"; ear length 8 – 8.5"; ear diameter 2.1"; avg. row count 16-18; disease resistance: HR for RpG+Rp1I.

**XTH 1679** – Illinois Foundation Seeds, 79 days to maturity (midseason to full season), 85 inch plant height, 29 inch ear height, 8-8.5 inch ear length, 2.0 inch ear diameter, 16-20 average kernel rows, medium to bright yellow kernel color, good tip fill, productive and strong hybrid with excellent resistance to MDMV and new rust (GI alleles).

**GSS3071 (new)** – Syngenta; 78 – 79 days to maturity; d and l rust genes; good tolerance to NCLB and expected tolerance to Pst.

**Summer Sweet 007R (7132RY)** – Abbott & Cobb, Yellow, 78 days maturity, 8.5 inch ears with 18-20 row counts, Disease Tolerance: RR-Rp1D, NCLB

**WI 13 7689** – Abbott & Cobb, Yellow, 78 days to maturity, 8.5 inch ears with 18-20 row counts, Disease Tolerance for Ps/Rp1GI and MDMV.

**Summer Sweet 3081MR** – Abbott & Cobb; 79 days to maturity; color yellow; 18 row count; 8" ear length; plant size – medium/short; HR Common Rust (Rp1G and Rp1I) and NCLB.

**HMX3346YS (A90313)** – Harris Moran, Yellow, 79 days to maturity, 22 cm ear length with 16-18 row counts, 5.2 cm ear diameter, Disease Resistance: HR for MDMV and Ps, gfi for Allele Rp1.

**HMX0376S** – Harris Moran, yellow sh2, 80 days to maturity, 20 cm ear length and 5.2 cm ear diameter, 16-18 average row count, good disease package – good plant, Disease Resistance: HR for Et, MDMV, Ps and gfi for Allele Rp1.

**1980 XR** – IFSI; 79 days to maturity

**Summer Sweet Hi Glow 3590MR** – Abb.& Cobb; 82 day maturity; 18-20 row count; 8.5" ear length; M plant size; HR for Ps, Et, MDVM, Pst.

**SV1514SK** – Seminis, SH2 yellow, 81 day RM, 1700 heat units, AVG plant ht. 77 inches, AVG ear ht. 27 inches, AVG ear length 8.4 inches, AVG ear diameter 2 inches, AVG row count 18-20, Anticipated Highly Resistant: Rust (RpG5), Intermediate Resistant: MDMV. SV1514SK should have 1<sup>st</sup> commercial processor sales in 2014.

**Delphy (HMX 9389S)** – Harris Moran, 81 day to maturity, 18-20 row count 20 cm ear length and 4.9 cm ear diameter, Disease Resistance: HR for MDMV, Ps and IR for Et with gfi for Allele Rp1.

**CSHYP10-403** – Crookham; good Northern Corn Leaf Blight Tolerance, G&D Rust Resistance, nice rowing and recovery.

## Comments continued:

**GSS7877** – Syngenta, “same as *Magnum II* but has added MDMV and g gene for new rust. It has NCLB tolerance as well with long ear.

**Magnum II** – 81 day maturity, 8.5 inch ear length, 16-18 rows, 1.9 inch diameter, strong plant, IR to common rust, HR to NCLB, IR to SCLB, excellent husk cover, good seedling vigor, good field holding capacity, straight rowing.

**\*SV1339SK** – Seminis, yellow sh2, 83 days (1740hu), 80 inch plant height, 28 inch ear height, 9-10 inch ear length, 2.1 inch ear diameter, 18-20 average row count, *Anticipated Highly Resistant: Rust Rp1i; Intermediate Resistant: MDMV and Northern Corn Leaf Blight rot. This hybrid will continue to be trialed.*

**\*Hardi G15**– Crookham; Yellow, 88 days to maturity, 9 inch ears with 16 row counts, 2 inch ear diameter, ear height is 40 inches, 80 inch plant height, old rust resistance; moderate MDMV resistance; good kernel.

**\*GSS 3951** – Syngenta, GSS yellow, 82 day maturity, 8.3 inch ear with 18-20 rows, great bright color cooked in a sturdy plant that has shown to take stress and high pop’s better than most, has Full multi Disease package and di rust.

**\*GVS 1610** – Gallatin Valley, Yellow Sh2, 82 day maturity, Moderate rust resistance, 8.1 inch ear, lighter yellow color.

**\*Aubade** – Gallatin Valley, Yellow Sh2, 82 day maturity, Moderate rust resistance, high quality, 8.2 inch ear.

**\*ACX 3083RD** – Abbott & Cobb, Yellow, 82 days maturity, 8.25-9 inch ears with 16-18 row counts, medium plant height, Disease Tolerance: Ps/Rp 1D, Et/HR, MDMV.

**\*ACX 3780MR** – Abbott & Cobb, Yellow, 82 days to maturity, 8-8.5 inch ears with 18 row counts, Disease Tolerance: Ps/Rp1GI, Et/IR(Ht1), MDMV.

**\*HMX 0372S** – Harris Moran, Yellow, 83 day to maturity, 16-18 row count, 21 cm ear length with 5.1 cm ear diameter, Disease Resistance: IR for Et.

**\*Overland** – (GSS 3287) – Syngenta; 84 days to maturity (1768 heat units), 7 ft plant height, 36 inch ear height, 8.5 inch ear length, 1.85 inch ear diameter, 18-20 rows, 12 mm kernel depth, Rp1i gene for rust resistance, resistance to NCLB, tolerance to MDMV and SW.

**\*Escalate (2786)** – Crites, yellow, 86 days to maturity, 8.2 inch ears with 18 row counts, 2 inch cob width, tall strong plant, cylindrical cobs, suits freezing and canning, good color, Disease Resistance: HR for (PS)-Avir(+D), (PS)-D-VIR, (PS)-G-VIR(+D); IR for NCLB(ET), PST, Southern Leaf Blight; and SU for MDMV.)

**\*GSS1453** – Syngenta; 84 days to maturity; color yellow; strong yielding variety that offers long, quality supersweet ears; full season; 8.5” ear length; 2” ear diameter; 18 row count; disease resistance: HR for Et/Ps (Rp1-i)/Pst; IR for Bm/Ps.

\*\*\*\*\*

## White

**Placer (HMX2348WS)** – Harris Moran, white, 76 days to maturity, 20 cm ear length with 16-18 row counts, 5.2 cm ear diameter, IR for MDMV.

**XTH3174** – IFSI, 75 days to maturity

**Ice Queen** - Harris Moran, 77 days to maturity, strong emergence vigor, 84 inch plant ht., 24 inch ear ht., 7.5 inch ear length, 1.9 inch ear width, slightly tapered, 14-16 row count, IR for NCLB, MDMV, Common Rust, Stewarts wilt.

**GVS0210** – Gallatin Valley; 78 day maturity; color yellow; should have rust resistance and NCLB, Stewarts wilt tol.

**Glacial (ACR1743)** – Abbott & Cobb; color white; 79 days to maturity; 18 row count; 8.5-9 inch ear length.

**CSHWP9-371** – Crookham, 83 day white SH2, competes with 3681 but more consistent.

## **Comments continued:**

**3879XR** – IFSI,

**1760MR** – Abbott & Cobb, color white, 82 days to maturity, 8.5 inch ears with 18-20 row counts, Disease Tolerance to Ps/Rp1GI, Et/IR(Ht1), MDMV.

**Snogum** – Crites; color white; 82 days to maturity; 8.2" ear length; 2" ear diameter; 18 row count; plant height – medium; cobb height – medium; HR for (Ps) avir (+D), (Ps) G-vir (=D), Southern Leaf Blight; IR for (Ps) D-vir, Northern Corn Leaf Blight, Stewart's Wilt; SU for MDMV.

**Devotion** – Seminis; white; 82 days to maturity; 8" ear length; 1.7" ear diameter; 16-18 row count; high quality white sh2 with superb eating quality; IR for Pst.

**CSHWP11-456** – Crookham, White, 82 days to maturity, Resistance for M

**WSS 3681**- Syngenta, white sh2, 83 days to maturity, 8.5 inch ear length, 1.8 inch ear diameter, 18-20 row count, rust resistant, super quality in a white.

**SV1580SC** – Seminis,

## **Bicolor**

**CSAPB12-534** – Crookham,

**BSS5362** – Syngenta, 83 days to maturity, 8.5 inch ear length, 1.8 inch ear diameter, 18-20 row count, rust resistant.

Northern Corn Leaf Blight – Et or NCLB, (*Exserohilum turcicum*)

Maize dwarf mosaic –MDMV (Maize dwarf mosaic virus)

Common Rust – Ps (*Puccinia sorghi*)

Stewarts wilt – Pst (*Pantoea stewartii* (ex. *Erwinia stewartii*))

Southern corn leaf blight – Bm (*Bipolaris maydis*(=*Helminthosporium maydis*))

**Table 11. Weather Summary 2015**

Day	Max. Temp.	Min. Temp.	Mean Temp.	Precip.	Acc Precip.	Degree Days Base	acc dd units base 50
5/21/15	55	40	47.5	0	0	0	255
5/22/15	63	46	54.5	0	0	4.5	259.5
5/23/15	58	33	45.5	0	0	0	259.5
5/24/15	65	40	52.5	0	0	2.5	262
5/25/15	78	57	67.5	0	0	17.5	279.5
5/26/15	85	60	72.5	0	0	22.5	302
5/27/15	82	65	73.5	0	0	23.5	325.5
5/28/15	83	63	73	0.02	0.02	23	348.5
5/29/15	73	50	61.5	0	0.02	11.5	360
5/30/15	80	53	66.5	0	0.02	16.5	376.5
5/31/15	68	38	53	1.58	1.6	3	379.5
6/1/15	48	45	46.5	0.81	2.41	0	379.5
6/2/15	54	46	50	0.05	2.46	0	379.5
6/3/15	59	41	50	0.02	2.48	0	379.5
6/4/15	69	43	56	0	2.48	6	385.5
6/5/15	74	48	61	0	2.48	11	396.5
6/6/15	77	51	64	0.75	3.23	14	410.5
6/7/15	60	41	50.5	0	3.23	0.5	411
6/8/15	78	55	66.5	0.05	3.28	16.5	427.5
6/9/15	71	62	66.5	0.63	3.91	16.5	444
6/10/15	70	55	62.5	0.45	4.36	12.5	456.5
6/11/15	78	57	67.5	1.53	5.89	17.5	474
6/12/15	75	57	66	0	5.89	16	490
6/13/15	81	56	68.5	0.6	6.49	18.5	508.5
6/14/15	74	57	65.5	0.01	6.5	15.5	524
6/15/15	78	62	70	1.06	7.56	20	544
6/16/15	77	64	70.5	0.02	7.58	20.5	564.5
6/17/15	77	57	67	0.35	7.93	17	581.5
6/18/15	71	57	64	0	7.93	14	595.5
6/19/15	78	62	70	0	7.93	20	615.5
6/20/15	64	47	55.5	0	7.93	5.5	621
6/21/15	75	55	65	0.03	7.96	15	636
6/22/15	79	61	70	0	7.96	20	656
6/23/15	82	63	72.5	0.16	8.12	22.5	678.5
6/24/15	81	58	69.5	0.03	8.15	19.5	698
6/25/15	75	59	67	0	8.15	17	715
6/26/15	76	57	66.5	0.01	8.16	16.5	731.5
6/27/15	72	54	63	0	8.16	13	744.5
6/28/15	63	53	58	1.9	10.06	8	752.5
6/29/15	65	54	59.5	0.25	10.31	9.5	762
6/30/15	71	56	63.5	0.04	10.35	13.5	775.5
7/1/15	76	60	68	0.88	11.23	18	793.5
7/2/15	72	58	65	0.2	11.43	15	808.5
7/3/15	72	50	61	0	11.43	11	819.5
7/4/15	73	58	65.5	0	11.43	15.5	835
7/5/15	75	54	64.5	0.07	11.5	14.5	849.5



**Table 11. Weather Summary 2015**

Day	Max. Temp.	Min. Temp.	Mean Temp.	Precip.	Acc Precip.	Degree Days Base	acc dd units base 50
7/6/15	79	58	68.5	0.01	11.51	18.5	868
7/7/15	80	61	70.5	0	11.51	20.5	888.5
7/8/15	86	58	72	0.52	12.03	22	910.5
7/9/15	68	56	62	0.02	12.05	12	922.5
7/10/15	66	58	62	1.18	13.23	12	934.5
7/11/15	76	60	68	0	13.23	18	952.5
7/12/15	80	58	69	0	13.23	19	971.5
7/13/15	81	63	72	0	13.23	22	993.5
7/14/15	83	64	73.5	0.1	13.33	23.5	1017
7/15/15	76	54	65	0.39	13.72	15	1032
7/16/15	64	51	57.5	0	13.72	7.5	1039.5
7/17/15	71	52	61.5	0	13.72	11.5	1051
7/18/15	72	56	64	0.4	14.12	14	1065
7/19/15	85	68	76.5	0	14.12	26.5	1091.5
7/20/15	88	68	78	0	14.12	28	1119.5
7/21/15	81	64	72.5	0	14.12	22.5	1142
7/22/15	76	61	68.5	0.17	14.29	18.5	1160.5
7/23/15	73	57	65	0	14.29	15	1175.5
7/24/15	74	55	64.5	0	14.29	14.5	1190
7/25/15	79	56	67.5	0	14.29	17.5	1207.5
7/26/15	78	63	70.5	0.34	14.63	20.5	1228
7/27/15	81	60	70.5	0	14.63	20.5	1248.5
7/28/15	84	62	73	0	14.63	23	1271.5
7/29/15	86	64	75	0	14.63	25	1296.5
7/30/15	88	65	76.5	0	14.63	26.5	1323
7/31/15	82	64	73	0.33	14.96	23	1346
8/1/15	82	63	72.5	0	14.96	22.5	1368.5
8/2/15	76	57	66.5	0	14.96	16.5	1385
8/3/15	82	64	73	0	14.96	23	1408
8/4/15	79	60	69.5	0.01	14.97	19.5	1427.5
8/5/15	75	60	67.5	0	14.97	17.5	1445
8/6/15	73	56	64.5	0	14.97	14.5	1459.5
8/7/15	73	52	62.5	0	14.97	12.5	1472
8/8/15	75	52	63.5	0	14.97	13.5	1485.5
8/9/15	71	54	62.5	0	14.97	12.5	1498
8/10/15	79	60	69.5	0	14.97	19.5	1517.5
8/11/15	81	63	72	0.73	15.7	22	1539.5
8/12/15	76	61	68.5	0.06	15.76	18.5	1558
8/13/15	72	53	62.5	0	15.76	12.5	1570.5
8/14/15	75	54	64.5	0	15.76	14.5	1585
8/15/15	81	64	72.5	0	15.76	22.5	1607.5
8/16/15	81	62	71.5	0.03	15.79	21.5	1629
8/17/15	85	64	74.5	0	15.79	24.5	1653.5
8/18/15	87	64	75.5	0	15.79	25.5	1679
8/19/15	86	65	75.5	0.75	16.54	25.5	1704.5
8/20/15	83	68	75.5	0	16.54	25.5	1730

**Table 11. Weather Summary 2015**

Day	Max. Temp.	Min. Temp.	Mean Temp.	Precip.	Acc Precip.	Days Base 50	acc dd units base 50
8/21/15	79	59	69	1.05	17.59	19	1749
8/22/15	73	56	64.5	0	17.59	14.5	1763.5
8/23/15	73	54	63.5	0	17.59	13.5	1777
8/24/15	76	59	67.5	0	17.59	17.5	1794.5
8/25/15	76	55	65.5	0	17.59	15.5	1810
8/26/15	70	56	63	0	17.59	13	1823
8/27/15	69	57	63	0	17.59	13	1836
8/28/15	67	51	59	0	17.59	9	1845
8/29/15	72	52	62	0	17.59	12	1857
8/30/15	76	59	67.5	0	17.59	17.5	1874.5
8/31/15	79	63	71	0	17.59	21	1895.5
9/1/15	82	61	71.5	0	17.59	21.5	1917
9/2/15	84	61	72.5	0	17.59	22.5	1939.5
9/3/15	84	63	73.5	0	17.59	23.5	1963
9/4/15	85	62	73.5	0	17.59	23.5	1986.5
9/5/15	82	63	72.5	0	17.59	22.5	2009
9/6/15	83	64	73.5	0	17.59	23.5	2032.5
9/7/15	85	65	75	0	17.59	25	2057.5
9/8/15	88	67	77.5	0	17.59	27.5	2085
9/9/15	90	67	78.5	0	17.59	28.5	2113.5
9/10/15	86	60	73	0.18	17.77	23	2136.5
9/11/15	71	55	63	0	17.77	13	2149.5
9/12/15	74	56	65	0	17.77	15	2164.5
9/13/15	60	14	37	1.03	18.8	0	2164.5
9/14/15	58	51	54.5	0.18	18.98	4.5	2169
9/15/15	69	51	60	0	18.98	10	2179