

2018 Post Harvest



Sunrise
COOPERATIVE
Success grows here.



 **PCT | Sunrise[®]**
Local grow how.

Table of Contents

Product Trials

4	BioBuild™ Soy BioST	10	Attica PCT Plot
5	BioBuild™ BioComplete	12	South Charleston PCT Plot
6	StandUp® Fertilizer™	14	Uniopolis PCT Plot
8	FolrFeed® Soy Foliar EXTRA	16	Soybean Populations Trial
9	PCT X18007		

Corn Plots By County

18	Corn Index Rankings	56	Darke	76	Ottawa
24	Ashland	60	Fairfield	78	Richland
30	Auglaize	61	Fayette	80	Sandusky
42	Champaign	62	Greene	94	Seneca
44	Clark	66	Holmes	98	Warren
48	Clinton	68	Huron	100	Corn Side x Sides
52	Crawford	74	Licking		

Soybean Plots By County

102	Xtend Index Rankings	112	Erie	119	Liberty Link Index Rankings
106	Ashland	113	Hardin	122	Liberty Link Soybeans
107	Auglaize	114	Holmes		
109	Clark	116	Sandusky		
110	Darke	117	Seneca		



Local grow how.

PCT | Sunrise® is a progressive crop technology company that is locally owned and manufactured by Sunrise Cooperative, Inc. PCT products are specially formulated to help you feed and protect your plants at precise times throughout the growing season.

Growers choose PCT | Sunrise® for our proven ability to maximize yields, provide excellent crop safety and work well alongside other crop protection products. Sunrise Agronomy Solutions Advisors, who work with PCT agronomists, offer growers individualized plans and guidance on how to enhance plant development. Blends are specially formulated and manufactured at Sunrise Cooperative with the goal of optimizing plant health and providing a strong return on investment for your farm.

Products Tested:

- BioBuild™ Soy BioST
- BioBuild™ BioComplete
- StandUp® Fertizol™
- FolrFeed® Soy Foliar LITE & Soy Foliar EXTRA
- PCT X18007

PCT|Sunrise
AdjuTec™

PCT|Sunrise
BioBuild™

PCT|Sunrise
FolrFeed®

PCT|Sunrise
GrainMaker™

PCT|Sunrise
NutraBurst™

PCT|Sunrise
StandUp®

BioBuild™ Soy BioST

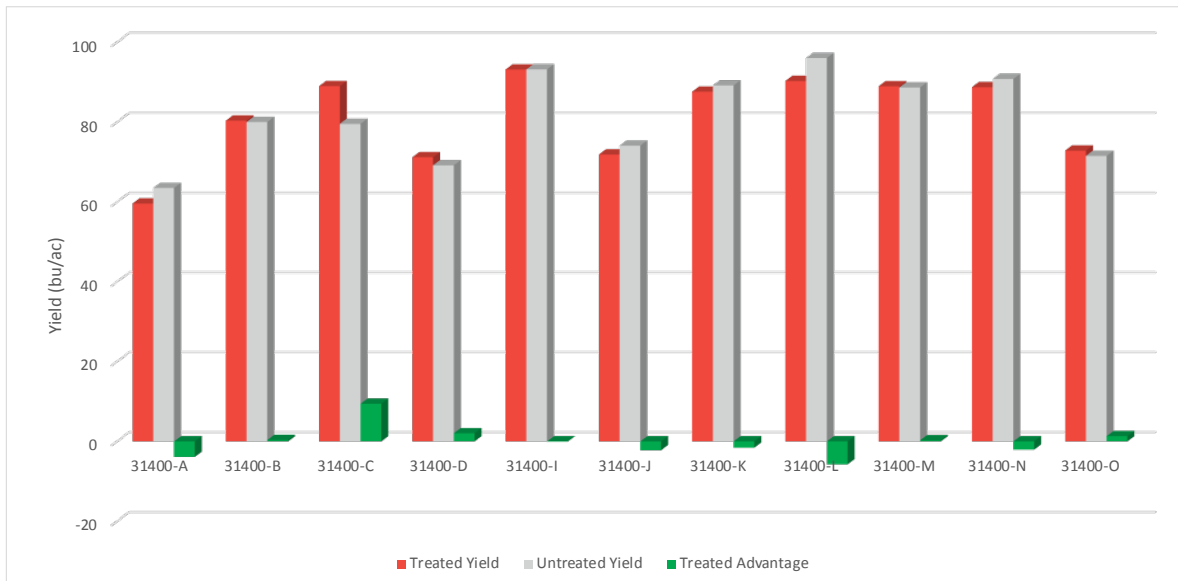
PCT | Sunrise® BioBuild™ Soy BioST combines a select group of concentrated beneficial microbes with an organic food source applied as a seed treatment inoculant for enhanced early growth, vigor and to develop a larger root mass on many crops. This

product contains over three-quarters of a billion bacteria per milliliter, and more than twenty different strains of active bacteria.

Trial Information:

- Seed treated ahead of planting versus comparable normal seed treatment
- Rate: 4 oz/100 weight minimum of 2 oz/140,000 unit seed count

	31400-A	31400-B	31400-C	31400-D	31400-I	31400-J	31400-K	31400-L	31400-M	31400-N	31400-O
Treated Yield	59.6	80.38	89.0	71.2	93.17	71.89	87.62	90.3	88.97	88.75	72.86
Untreated Yield	63.5	80.03	79.56	69.16	93.21	74.11	89.18	96.05	88.68	90.81	71.53
Treated Advantage	- 3.9	+ 0.35	+ 9.44	+ 2.04	- 0.04	- 2.22	- 1.56	- 5.75	+ 0.29	- 2.06	+ 1.33



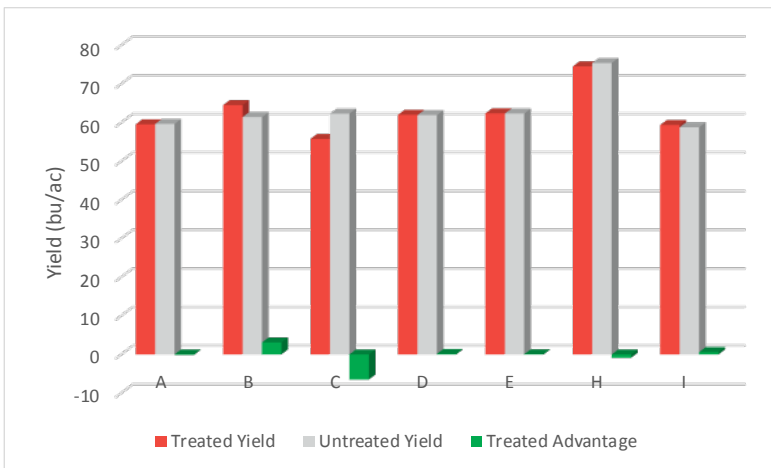
BioBuild™ BioComplete

PCT | Sunrise® BioBuild™ BioComplete is a blend of over twenty various strains of beneficial microbes that enhance plant health and vigor. This product is designed to increase flower production, healthier and more vigorous root systems, along with phosphate solubilization and nitrogen fixation. BioComplete contains millions of organisms that have been chosen for our soils and climate to maximize corn and soybean production. There are eight (8) different genera and 15 different species of microbes included in BioComplete.

Soybeans

Trial Information:

-Applied at planting, in-furrow at 1 pt/ac



	Treated Yield	Untreated Yield	Treated Advantage
A	59.54	59.66	- 0.12
B	64.52	61.42	+ 3.1
C	55.77	62.3	- 6.53
D	62.03	61.91	+ 0.12
E	62.38	62.35	+ 0.03
H	74.54	75.42	- 0.88
I	59.38	58.78	+ 0.6

Corn

Trial Information:

-Applied at planting, in-furrow at 1 pt/ac

	Treated Yield	Untreated Yield	Treated Advantage
F	265.74	267.29	- 1.55
G	250.92	249.47	+ 1.45

StandUp® Fertizol™

StandUp® Fertizol™ is a first-of-its-kind chelate that can be added directly to starter fertilizer. It has three modes of action: it unlocks the nutrients in the soil, makes the nutrients that it is applied with more available, and it is mobile in the plant for season-long activity.

Corn

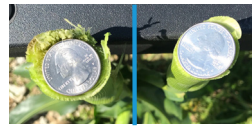
Trial Information:

-Fertizol applied at planting, in-furrow at 2 qt/ac

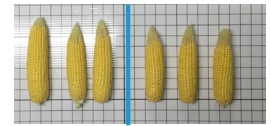
	Treated Yield	Untreated Yield	Treated Advantage
34444-B	241.35	232.77	+ 8.58
34444-C	210	208.4	+ 1.6
34444-D	261.87	262.41	- 0.54
34444-E	256.2	256.5	- 0.3
34444-F	245.2	244	+ 1.2
34444-G	209.5	213.9	- 4.4
34444-H	278.2	269	+ 9.2
34444-L	278	277.9	+ 0.1
34444-M	159.11	155.28	+ 3.83

Differences Seen:

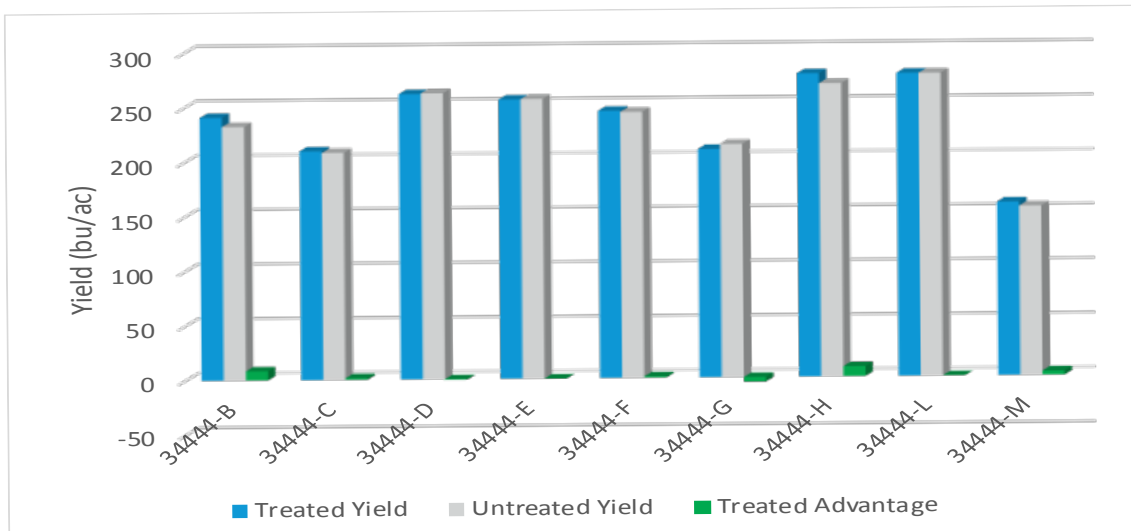
- Emergence
- Stalk Integrity
- Ear Size
- Plant Height
- Maturity



Fertizol Untreated



Fertizol Untreated



Soybeans

Trial Information:

-Fertizol applied at planting, in-furrow at 2 qt/ac

Differences Seen:

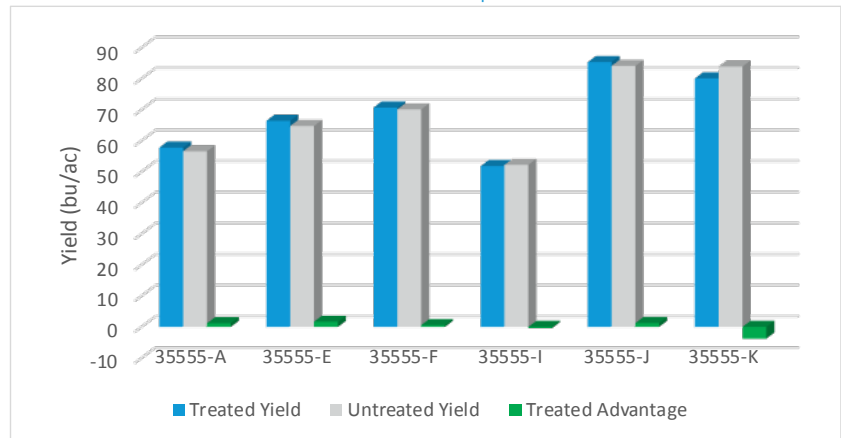
- Emergence
- Inner Branching
- Number of Pods
- Canopy
- Plant Height



Fertizol Untreated

	Treated Yield	Untreated Yield	Treated Advantage
35555-A	57.76	56.59	+ 1.17
35555-E	66.43	64.76	+ 1.67
35555-F*	70.68	70.09	+ 0.59
35555-I	51.84	52.21	- 0.37
35555-J	85.34	84.1	+ 1.24
35555-K	80.08	83.89	- 3.81

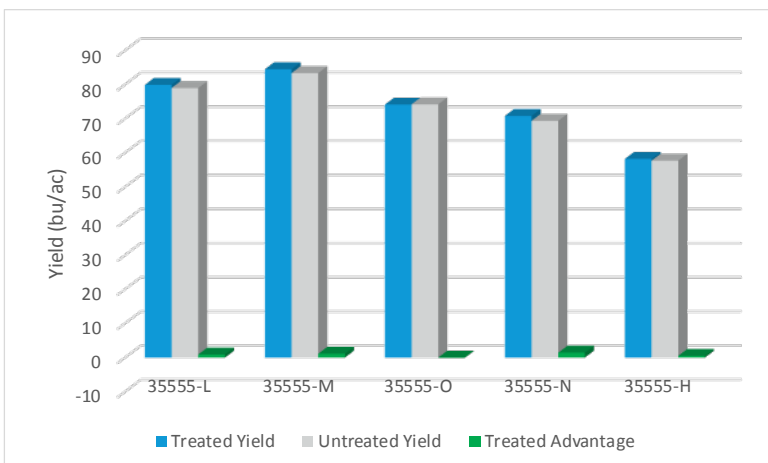
* 35555-F had a 1 qt/ac use rate



Fertizol + BioComplete

Trial Information:

-Fertizol applied at 2 qt/ac at planting, in-furrow with BioComplete



	Treated Yield	Untreated Yield	Treated Advantage
35555-L	79.91	78.99	0.92
*35555-M	84.5	83.37	1.13
35555-O	74.13	74.21	-0.08
35555-N	70.81	69.36	1.45
35555-H	58.21	57.7	0.51

* 35555-M applied in-furrow with pop-up fertilizer treatment

FolrFeed™ Soy Foliar EXTRA

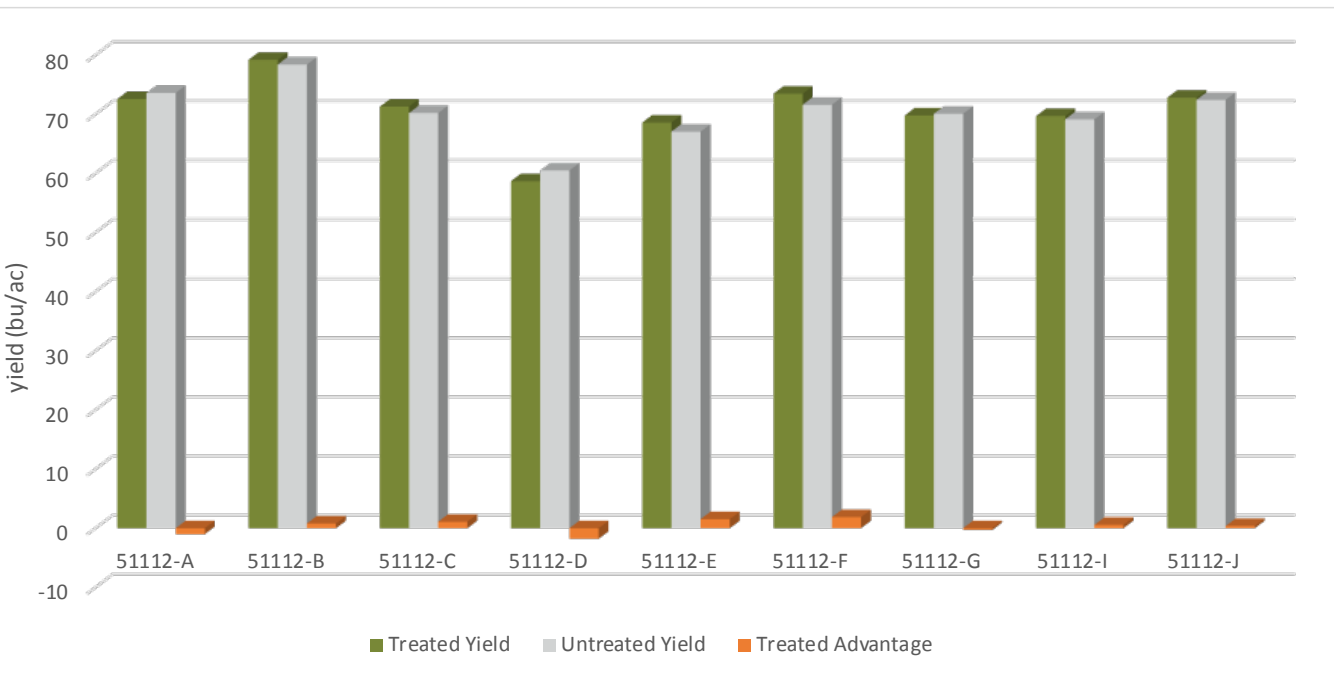
Providing your soybean plants with optimal nutrients at the right stage of development is essential to producing maximum yields. PCT | Sunrise FolrFeed®

Soy Foliar EXTRA is a premier foliar-fed nutrient product that supplies critical amounts of the nutrients your plant needs for optimal yield performance.

Trial Information:

- Soy Foliar EXTRA applied at 2 gal/ac rate vs Soy Foliar LITE at 1 gal/ac rate
- Applied in v-stage (V3-V7)

	51112-A	51112-B	51112-C	51112-D	51112-E	51112-F	51112-G	51112-I	51112-J
Treated Yield	72.57	79.19	71.3	58.69	68.59	73.48	69.8	69.69	72.8
Untreated Yield	73.59	78.4	70.2	60.49	67.06	71.6	70.09	69.13	72.43
Treated Advantage	-1.02	+ 0.79	- 1.1	-1.8	+ 1.53	- 1.88	- 0.29	+ 0.56	- 0.37



PCT | Sunrise

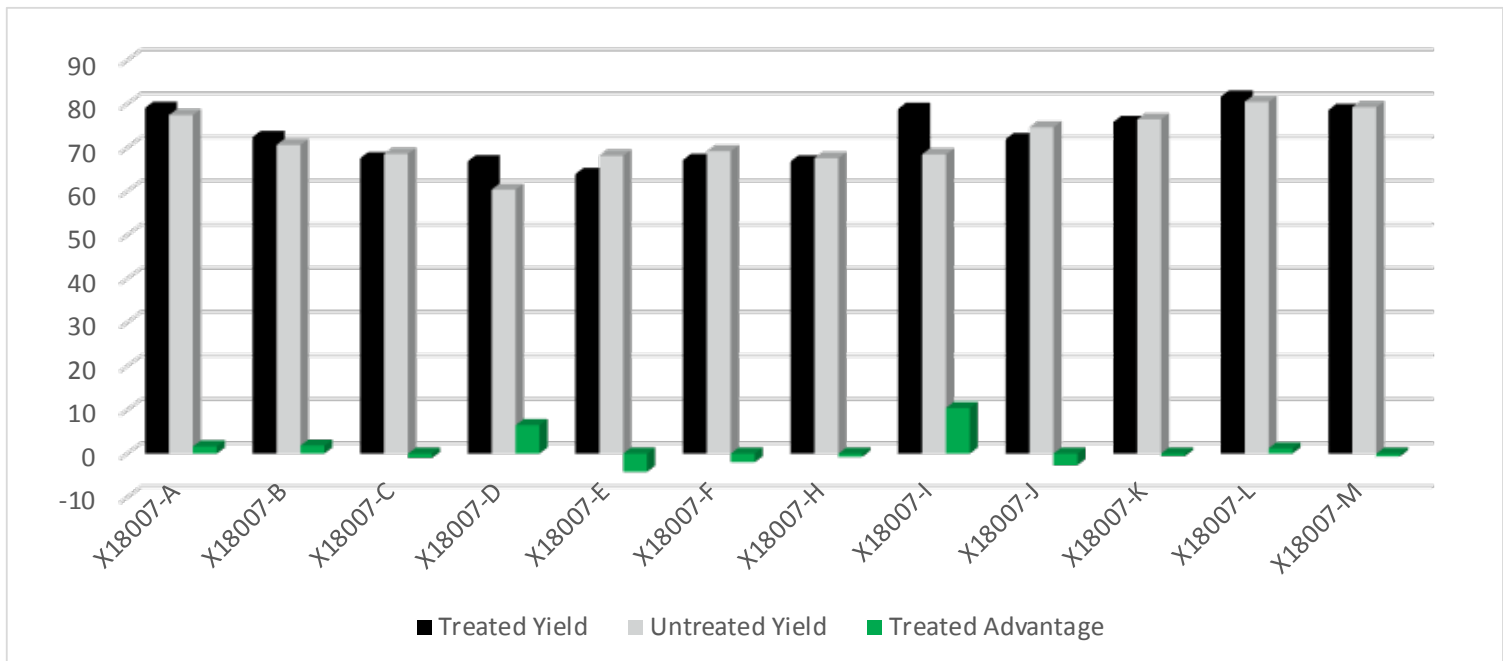
X18007

PCT | Sunrise® X18007 is a seed treatment comparative to compare new fungicide/insecticide/soybean inoculant combination.

Trial Information:

-Seed treated at 3.5 oz/100 lb and soybean inoculant at 1.5 oz/100 lb of seed

	X18007-A	X18007-B	X18007-C	X18007-D	X18007-E	X18007-F	X18007-H	X18007-I	X18007-J	X18007-K	X18007-L	X18007-M
Treated Yield	79.09	72.47	67.6	66.9	63.97	67.22	66.86	78.92	71.99	75.91	81.7	78.63
Untreated Yield	77.45	70.64	68.6	60.4	68.15	69.2	67.61	68.48	74.68	76.49	80.5	79.24
Treated Advantage	+ 1.64	+ 1.83	-1.0	+ 6.5	- 4.18	- 1.98	- 0.75	+10.44	- 2.69	- 0.58	+ 1.2	- 0.61





Attica Growing Insight Location: Corn PCT Trials

Trial Information:

F No In-Furrow
 • 2 x 2 Mix Only
 Check strip same as **K**

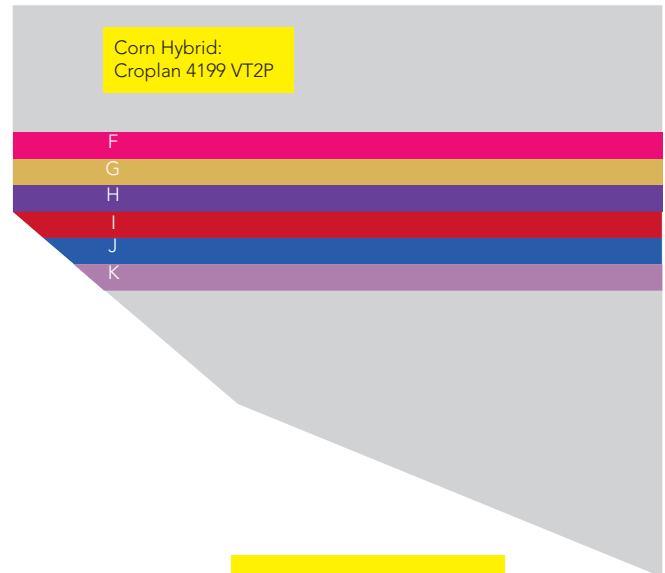
G In-Furrow & 2 x 2 Mix
 • 3 gal. StandUp™ Premium K Corn Starter w/ MIC

H In-Furrow & 2 x 2 Mix
 • 3 gal. StandUp™ Premium K Corn Starter w/ MIC
 • 1 pt. BioBuild™ BioComplete

I In-Furrow & 2 x 2 Mix
 • 3 gal. StandUp™ Premium K Corn Starter w/ MIC
 • 1 pt. BioBuild™ BioComplete
 • 8 oz. BioBuild™ C-Green
 • 2 qt. StandUp™ Fertilizer™

J In-Furrow & 2 x 2 Mix
 • 3 gal. StandUp™ Premium P Corn Starter w/ MIC
 • 1 pt. BioBuild™ BioComplete

K No In-Furrow
 • 2 x 2 Mix Only
 Check strip same as **F**



2x2 Mix
 3 gal. Thiosul
 11 gal. 10-34-0
 15 gal. 28%

	Treated Yield	*Untreated (F+K) Yield	Treated Advantage
G	244.2	239.7	+ 4.5
H	242.8	239.7	+ 3.1
I	244.2	239.7	+ 4.5
J	242.5	239.7	+ 2.8

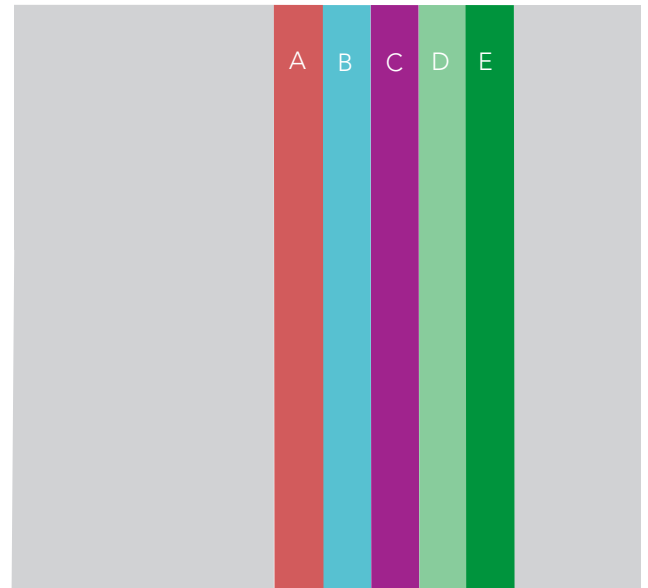
* Yields from strip F & strip K were averaged together to get untreated yield.



Attica Growing Insight Location: Soybean PCT Trials

Trial Information:

- A** In-Furrow
 - 1 pt. BioBuild™ BioComplete
 - 8 oz. BioBuild™ C-Green
 - 2 qt. StandUp™ Fertizol™
 - Water
- B** In-Furrow
 - 3 gal. StandUp™ Premium Soy Starter w/ MIC
 - 1 pt. BioBuild™ BioComplete
 - 8 oz. BioBuild™ C-Green
 - 2 qt. StandUp™ Fertizol™
- C** In-Furrow
 - 3 gal. StandUp™ Premium Soy Starter w/ MIC
 - 1 pt. BioBuild™ BioComplete
- D** In-Furrow
 - 3 gal. StandUp™ Premium Soy Starter w/ MIC
- E** No In-Furrow



	Treated Yield	Untreated (E) Yield	Treated Advantage
A	72.63	71.56	+ 1.07
B	70.17	71.56	- 1.39
C	70.83	71.56	- 0.73
D	71.58	71.56	+ 0.02



South Charleston Growing Insight Location: Corn PCT Trials

Trial Information:

- A** In-Furrow
- 5 gallon of StandUp™ Premium P Corn Starter
 - 16 oz. BioBuild™ BioComplete
 - 64 oz. StandUp™ Fertilol

- B** No In-Furrow Starter Fertilizer

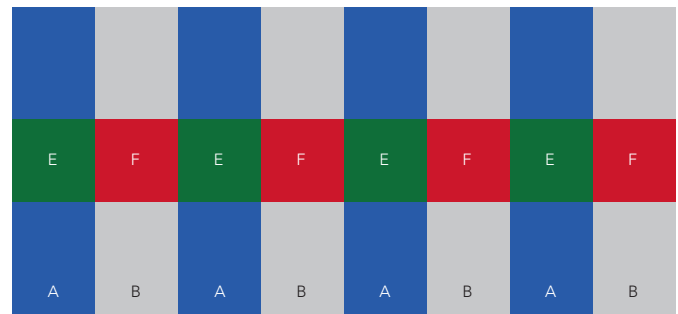
- E** In-Furrow
- 5 gallon of StandUp™ Premium P Corn Starter
 - 16 oz. BioBuild™ BioComplete
 - 64 oz. StandUp™ Fertilol™

- Foliar (Applied @ V6)
- 40 oz. BioBuild™ C-Green
 - 2 gal. FolrFeed™ Corn Foliar EXTRA

- F** No In-Furrow Starter Fertilizer

- Foliar (Applied @ V6)
- 40 oz. BioBuild™ C-Green
 - 2 gal. FolrFeed™ Corn Foliar EXTRA

Trial Layout:



	Treated Yield	Untreated (B) Yield	Treated Advantage
A	225.6	230.0	- 4.4
E	247.7	230.0	+ 17.7
F	248.4	230.0	+ 18.4

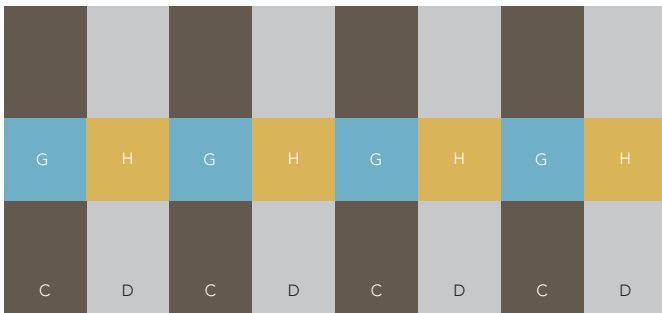
Summary: This plot did not demonstrate a significant response to soil fertility products, as soil values are very high. However, the foliar products delivered a very significant response.



South Charleston Growing Insight Location: Soybean PCT Trials

Trial Information:

Trial Layout:



- C** In-Furrow
 - 5 gal. of StandUp™ Premium Soy Starter
 - 16 oz. BioBuild™ BioComplete
 - 64 oz. StandUp™ Fertilizer™

- D** No In-Furrow Starter Fertilizer

- G** In-Furrow
 - 5 gal. of StandUp™ Premium Soy Starter
 - 16 oz. BioBuild™ BioComplete
 - 64 oz. StandUp™ Fertilizer

- Foliar (Applied @ R3)
 - Fungicide
 - Insecticide
 - 2 gal. FolrFeed™ Soy Foliar EXTRA

- H** No In-Furrow Starter Fertilizer

- Foliar (Applied @ R3)
 - Fungicide
 - Insecticide
 - 2 gal. FolrFeed™ Soy Foliar EXTRA

Summary: We did not see a significant response to starter fertility products, as soil value are very high. Soil pH was lower than ideal over most of the plot. However, the foliar products delivered a significant response.

	Treated Yield	Untreated (D) Yield	Treated Advantage
C	61.6	61.4	+ 0.2
G	64.5	61.4	+ 3.1
H	64.7	61.4	+ 3.3

Uniopolis Growing Insight Location: Corn PCT Trials

Trial Information:

Trial Layout:

- G** In-Furrow
 - 1 pt. BioBuild™ BioComplete
 - 8 oz. BioBuild™ C-Green
 - 5 gal. StandUp™ Premium P Corn Starter w/MIC
 - 1 qt. StandUp™ Fertilizer™

- Furrow Jet
- 5 gal. NutraBurst™ SuperBlue
 - Water 50/50

- H** In-Furrow
 - 1 pt. BioBuild™ BioComplete
 - 8 oz. BioBuild™ C-Green
 - 5 gal. StandUp™ Premium P Corn Starter w/MIC
 - 2 qt. StandUp™ Fertilizer™

- Furrow Jet
- 5 gal. NutraBurst™ SuperBlue
 - Water 50/50

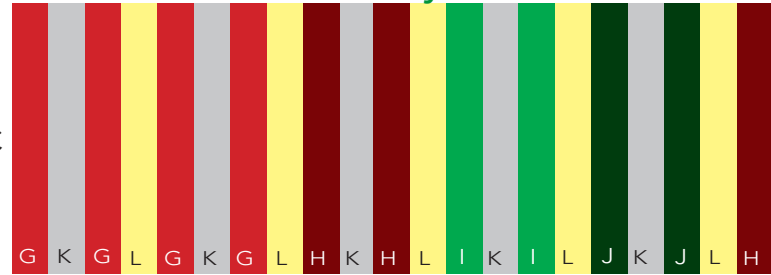
- J** In-Furrow
 - 1 pt. BioBuild™ BioComplete
 - 8 oz. BioBuild™ C-Green
 - 5 gal. StandUp™ Premium P Corn Starter w/MIC
 - 2 qt. StandUp™ Fertilizer™

- Furrow Jet
- 5 gal. NutraBurst™ SuperBlue
 - Water 50/50

- Corn base 2 x 2
- 4 gal. 10-34-0
 - 5 gal. 28%
 - 1.5 gal. 9-0-0-13
 - 1 qt. NutraBurst™ Zinc 9%
 - 1 pt. NutraBurst™ Boron 7%

- K** No Starter

- L** Corn base 2 x 2
 - 4 gal. 10-34-0
 - 5 gal. 28%
 - 1.5 gal. 9-0-0-13
 - 1 qt. NutraBurst™ Zinc 9%
 - 1 pt. NutraBurst™ Boron 7%



	Treated Yield	Untreated (K) Yield	Treated Advantage
G	257.0	251.0	+ 6.0
H	265.0	259.0	+ 6.0
J	281.0	261.0	+ 20.0

Phosphorus Levels



Summary: This plot had very high soil fertility overall, however the PCT corn trial location has some distinct differences in fertility, OM and CEC levels. Based on soil grids of 0.8 acres, we can break the plot into three distinct sections for a more fair evaluation of the trials. Despite very high fertility levels, the starter fertility products consistently added yield. The foliar treatment did not increase yield at this location.



Uniopolis Growing Insight Location: Soybean PCT Trials

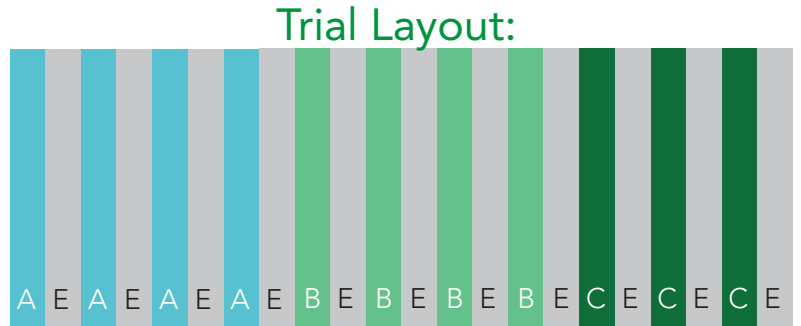
Trial Information:

- A** Soybean Nutritional
 - 1 pt. BioBuild™ BioComplete
 - 8 oz. BioBuild™ C-Green
 - 5 gal. StandUp™ Premium Soy Starter w/ MIC

- B** Soybean Nutritional
 - 1 pt. BioBuild™ BioComplete
 - 8 oz. BioBuild™ C-Green
 - 5 gal. StandUp™ Premium Soy Starter w/MIC
 - 1 qt. StandUp™ Fertilizol™

- C** Soybean Nutritional
 - 1 pt. BioBuild™ BioComplete
 - 8 oz. BioBuild™ C-Green
 - 5 gal. StandUp™ Premium Soy Starter w/MIC
 - 2 qt. StandUp™ Fertilizol™

- E** No In-Furrow Nutrition



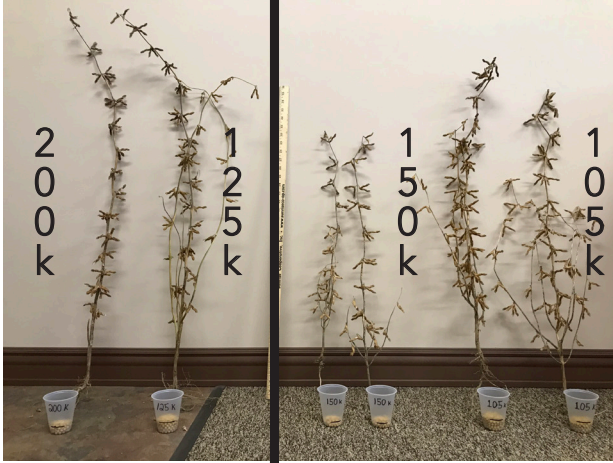
	Treated Yield	Untreated (E) Yield	Treated Advantage
A	64.28	64.73	- 0.45
B	68.68	69.08	- 0.4
C	69.4	70.7	- 1.3

Summary: We did not see a yield difference with starter fertility products, as soil test values are very high. However, we did see a distinct difference in the value of Fertilizol addition to the starter products.

Soybean Populations Trial

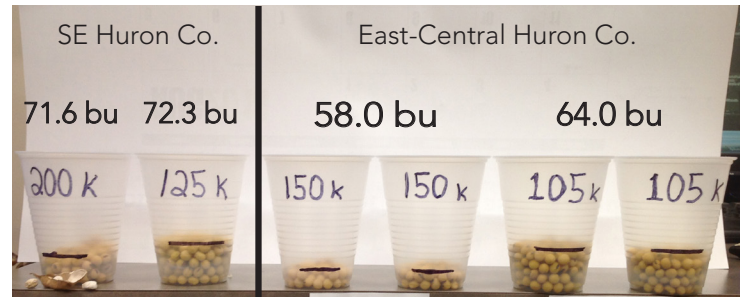
SE Huron Co.

East-Central Huron Co.

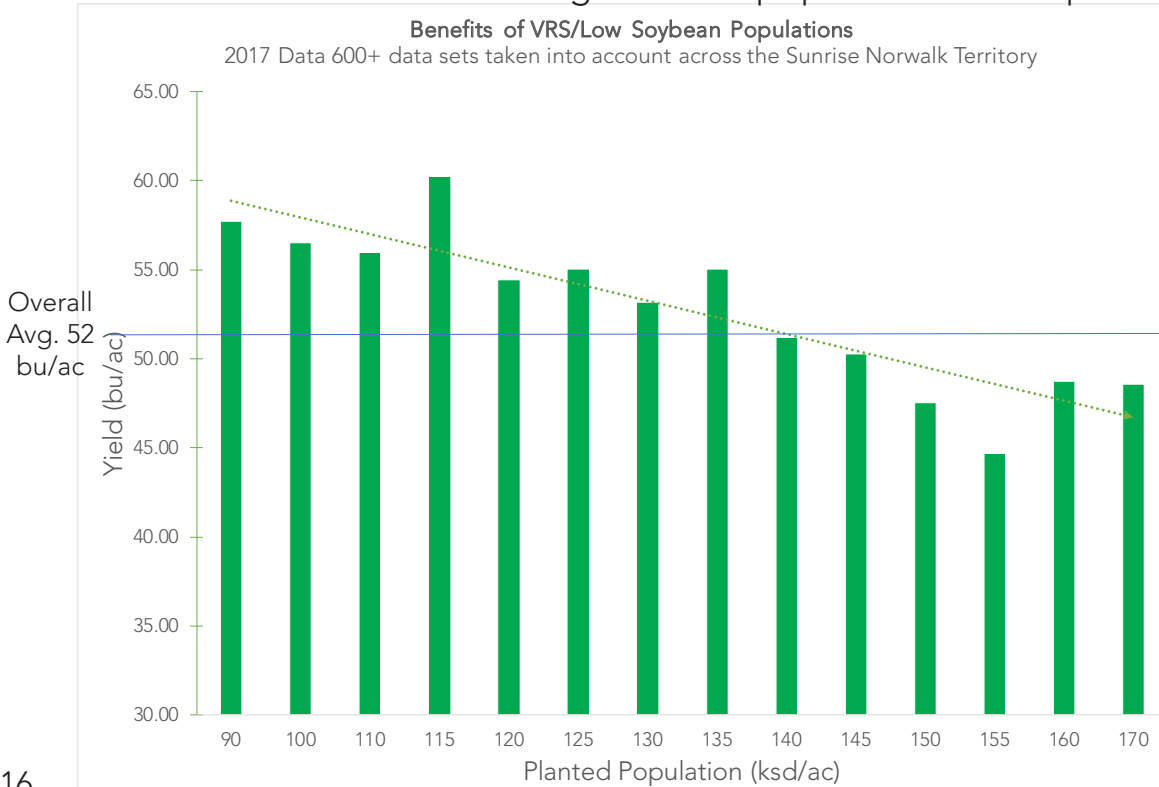


At \$50/unit = \$36/ac savings in seed **before** considering the (probable) yield bump

At \$50/unit = \$17/ac savings in seed **before** considering the (probable) yield bump



*Each data set is a strategically placed population zone, created using multi-year yield analysis and/or satellite imagery and confirmed by each participating grower & Agronomy Solutions Advisor as either being the ideal population for the production potential of that zone or as a population trial/test for comparison against what the grower/ASA states as being the ideal population for the production potential of said zone.



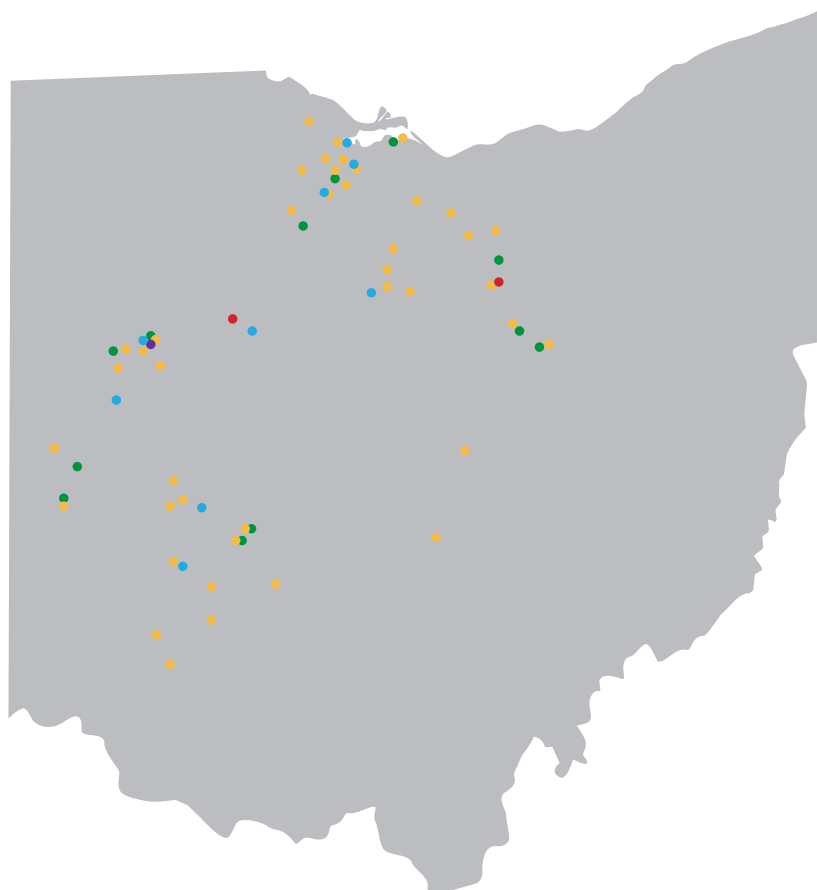
zone or as a population trial/test for comparison against what the grower/ASA states as being the ideal population for the production potential of said zone.

*Seed savings calculated to be approximately \$4.28/10ksds

Example:
140ksd/ac = \$60/ac vs. 120ksd/ac = \$51.48ac [20k less seeds/ac = \$8.57/ac savings up front]

Cooperator Variety Plot Locations

- Corn
- Xtend Soybean
- Liberty Link Soybean
- NK Champion
- Mycogen Champion



2018 Plot Breakdown:

- 42 Corn Plots
- 15 Soybean Plots
- 9 Liberty Link Soybean Plots

Late Season Corn Plot Evaluations Key

Each corn plot has a stalk and an ear shank rating. Ratings are from 1-5, with the following values:

- 1-Excellent
- 2-Above Average
- 3-Average
- 4-Below Average
- 5-Poor

Key:
GLS = Gray Leaf Spot
N = Nitrogen
NCLB = Northern Corn Leaf Blight
WBCW = Western Bean Cut Worm

CORN VARIETY PLOT AVERAGES | COMBINED

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
DEKALB	DKC65-95RIB	8	242.2	106.92	1
DEKALB	DKC64-35RIB	8	237.3	106.75	2
CROPLAN	5370	3	243.97	105.43	3
CROPLAN	4997	24	238.61	104.25	4
Pioneer	P1197	17	236.02	104.22	5
DEKALB	DKC62-53RIB	11	229.48	104.11	6
DEKALB	DKC61-55RIB	4	214.43	103.38	7
DEKALB	DKC60-88RIB	10	225.5	103.3	8
Pioneer	P0825	7	229.94	103.25	9
Pioneer	P1298	3	233.37	103.13	10
CROPLAN	5335	16	238.12	103.12	11
DEKALB	DKC64-87RIB	14	230.89	102.94	12
DEKALB	DKC64-34RIB	21	234.23	102.9	13
Mycogen	09V45	3	229.9	102.85	14
CROPLAN	5290	11	234.17	102.83	16
DEKALB	DKC62-20RIB	33	230.53	102.65	17
CROPLAN	X18111A	3	232.03	102.41	18
DEKALB	DKC64-89RIB	3	217.97	102.33	19
CROPLAN	X18113A	4	241.1	102.17	20
DEKALB	DKC62-52RIB	21	231.45	102.09	21
DEKALB	DKC55-85RIB	9	224.97	101.92	22
DEKALB	DKC61-54RIB	5	225.8	101.87	23
Pioneer	P0843	10	233.79	101.73	24
Becks	5140	4	211.3	101.55	25
Mycogen	12G35	3	243.97	101.36	26
DEKALB	DKC60-87RIB	16	225.88	101.34	27
DEKALB	DKC63-60RIB	27	229.42	101.2	28
CROPLAN	4895	23	230.38	100.84	29
CROPLAN	4488	4	196.1	100.36	30
Pioneer	P0506	6	236.33	100.28	31
CROPLAN	5073	6	213.02	100	32
CROPLAN	4549	13	219.3	99.96	33
DEKALB	DKC57-97RIB	24	226.6	99.71	34
DEKALB	DKC57-99RIB	9	226.73	99.45	35
Pioneer	P0306	5	228.84	99.42	36

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
Pioneer	P0574	3	233.57	99.23	37
CROPLAN	4791	18	223.05	99.14	38
NK Brand	NK0624	6	223.23	99.04	39
CROPLAN	X18110A	3	227.53	99.02	40
DEKALB	DKC67-42RIB	3	233.87	98.97	41
DEKALB	DKC55-84RIB	15	224.96	98.9	42
NK Brand	NK0440	6	217.8	98.73	43
Becks	5840	3	231.9	98.69	44
NK Brand	NK1284	9	229.38	98.07	45
CROPLAN	6110	4	229.43	97.83	46
DEKALB	DKC53-56RIB	5	216.62	97.59	47
DEKALB	DKC54-38RIB	13	211.02	97.58	48
DEKALB	DKC50-09RIB	3	208.03	97.49	49
CROPLAN	X18117A	3	214.87	97.22	50
NK Brand	NK0962	8	221.4	97.19	51
CROPLAN	4644	16	217.22	97.17	52
CROPLAN	X18108A	3	228.63	96.8	53
CROPLAN	4079	7	216.73	95.98	54
Mycogen	11B25	3	230.73	95.55	55
NK Brand	NK1191	9	225.29	95.51	56
NK Brand	NK0330	4	204	95.22	57
DEKALB	DKC50-84RIB	4	217.28	94.89	58
CROPLAN	5277	14	220.45	94.83	59
DEKALB	DKC51-38RIB	7	208.21	94.73	60
Pioneer	P1442	12	214.76	94.57	61
Pioneer	P1443	4	211.58	93.64	62
DEKALB	DKC49-73RIB	4	214.13	93.61	63
CROPLAN	4199	6	209.27	93.5	64
CROPLAN	5252	7	210.37	93.3	65
DEKALB	DKC52-68RIB	12	210.21	93.26	66
Mycogen	06R36	3	217.87	90.36	67
Pioneer	P0688	3	209.13	89.7	68
NK Brand	NK9505	4	178.03	80.75	69

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, DKC65-95RIB has an average index of 106.92. Meaning, it performed 6.92 higher than what was considered the average yield across all plots the entry was in. NK Brand 9505 has an average index of 80.75. This means it performed 19.25 lower than what was considered the average yield across all plots the entry was in.

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
DEKALB	DKC64-35RIB	3	236.8	110.69	1
Pioneer	P1197	7	246.61	107.82	2
DEKALB	DKC60-88RIB	4	221.18	106.32	3
DEKALB	DKC62-53RIB	6	226.53	105.83	4
CROPLAN	5290	6	231.78	104.68	5
CROPLAN	4997	11	235.34	104.64	6
DEKALB	DKC55-85RIB	6	222.53	104.01	7
DEKALB	DKC63-60RIB	10	230.43	103.87	8
DEKALB	DKC62-20RIB	16	228.66	103.73	9
DEKALB	DKC64-87RIB	7	234.13	103.68	10
DEKALB	DKC64-34RIB	8	233.09	103.6	11
DEKALB	DKC61-55RIB	4	214.43	103.38	12
Pioneer	P0825	7	229.94	103.25	13
Pioneer	P0843	5	236.94	103.17	14
Mycogen	O9V45	3	229.9	102.85	15
DEKALB	DKC64-89RIB	3	217.97	102.33	16
DEKALB	DKC60-87RIB	6	224.33	102.31	17
DEKALB	DKC55-84RIB	11	227.65	102.14	18
DEKALB	DKC62-52RIB	8	226.35	101.88	19
DEKALB	DKC61-54RIB	5	225.8	101.87	20
CROPLAN	5073	3	208.67	101.57	21
Becks	5140	4	211.3	101.55	22
CROPLAN	5335	3	233.03	101.46	23
CROPLAN	4895	9	227.7	101.28	24
CROPLAN	4488	4	196.1	100.36	25
Pioneer	P0506	6	236.33	100.28	26
DEKALB	DKC57-97RIB	10	224.5	99.98	27
CROPLAN	4549	13	219.3	99.96	28
CROPLAN	4791	10	219.04	99.79	29
Pioneer	P0306	5	228.84	99.42	30
DEKALB	DKC57-99RIB	6	213.42	99.28	31

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
Pioneer	P0574	3	233.57	99.23	32
NK Brand	NK1284	3	217.17	99.08	33
NK Brand	NK0624	6	223.23	99.04	34
NK Brand	NK0440	6	217.8	98.73	35
Becks	5840	3	231.9	98.69	36
CROPLAN	6110	4	229.43	97.83	37
CROPLAN	4644	9	213.83	97.72	38
DEKALB	DKC53-56RIB	5	216.62	97.59	39
DEKALB	DKC54-38RIB	13	211.02	97.58	40
DEKALB	DKC50-09RIB	3	208.03	97.49	41
NK Brand	NK0962	5	208.36	97.46	42
DEKALB	DKC50-08RIB	3	213.4	97.29	43
NK Brand	NK1191	3	206.17	96.58	44
DEKALB	DKC53-58RIB	4	200.28	96.5	45
DEKALB	DKC50-84RIB	6	207.23	95.8	46
DEKALB	DKC49-73RIB	5	210.32	95.37	47
NK Brand	NK0330	4	204	95.22	48
DEKALB	DKC51-38RIB	10	200.3	94.6	49
CROPLAN	4079	8	209.34	94.2	50
Pioneer	P1442	6	209.65	93.93	51
CROPLAN	5252	3	205.4	93.88	52
CROPLAN	4199	6	209.27	93.5	53
DEKALB	DKC52-68RIB	15	201.18	91.8	54
NK Brand	NK9505	4	178.03	80.75	55

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, DKC64-35RIB has an average index of 110.69. Meaning, it performed 10.69 higher than what was considered the average yield across all plots the entry was in. NK Brand 9505 has an average index of 80.75. This means it performed 19.25 lower than what was considered the average yield across all plots the entry was in.

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
DEKALB	DKC65-95RIB	8	242.2	106.92	1
CROPLAN	5370	3	243.97	105.43	2
CROPLAN	5335	13	243.2	104.77	3
CROPLAN	4997	13	241.88	103.85	4
DEKALB	DKC64-35RIB	5	237.8	102.81	5
CROPLAN	X18111A	3	232.03	102.41	6
DEKALB	DKC62-53RIB	5	232.42	102.39	7
DEKALB	DKC62-52RIB	13	236.55	102.29	8
DEKALB	DKC64-87RIB	7	227.64	102.2	9
DEKALB	DKC64-34RIB	13	235.37	102.19	10
CROPLAN	X18113A	4	241.1	102.17	11
DEKALB	DKC62-20RIB	17	232.39	101.57	12
Mycogen	12G35	3	243.97	101.36	13
CROPLAN	5290	5	236.56	100.97	14
Pioneer	P1197	10	225.42	100.62	15
CROPLAN	4895	14	233.06	100.39	16
DEKALB	DKC60-87RIB	10	227.43	100.37	17
Pioneer	P0843	5	230.64	100.29	18
DEKALB	DKC60-88RIB	6	229.82	100.28	19
CROPLAN	4644	7	226.81	100	20
DEKALB	DKC55-85RIB	3	227.4	99.82	21
DEKALB	DKC57-99RIB	3	240.03	99.62	22
DEKALB	DKC57-97RIB	14	228.69	99.43	23

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
CROPLAN	X18110A	3	227.53	99.02	24
DEKALB	DKC67-42RIB	3	233.87	98.97	25
DEKALB	DKC63-60RIB	17	228.41	98.53	26
CROPLAN	4791	8	227.06	98.49	27
CROPLAN	5073	3	217.37	98.43	28
DEKALB	DKC55-84RIB	4	225.75	97.47	29
CROPLAN	X18108A	5	217.14	97.27	30
CROPLAN	X18117A	3	214.87	97.22	31
NK Brand	NK1284	6	241.58	97.06	32
NK Brand	NK0962	3	234.43	96.92	33
Mycogen	11B25	3	230.73	95.55	34
Pioneer	P1442	6	219.87	95.2	35
CROPLAN	5277	14	220.45	94.83	36
NK Brand	NK1191	6	234.85	94.43	37
Pioneer	P1443	4	211.58	93.64	38
CROPLAN	5252	4	215.33	92.71	39
Mycogen	O6R36	3	217.87	90.36	40

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, DKC65-95RIB has an average index of 106.92. Meaning, it performed 6.92 higher than what was considered the average yield across all plots the entry was in. Mycogen O6R36 has an average index of 90.36. This means it performed 9.64 lower than what was considered the average yield across all plots the entry was in.

ASHLAND C-1

Soil Information:

O.M. %: 2 Soil pH: 7
Soil Type: Silty Loam



Ashland
County

Planting Date: 5/9/18
Row Width: 30"

Planting Population: 35,600
Tillage: Conventional

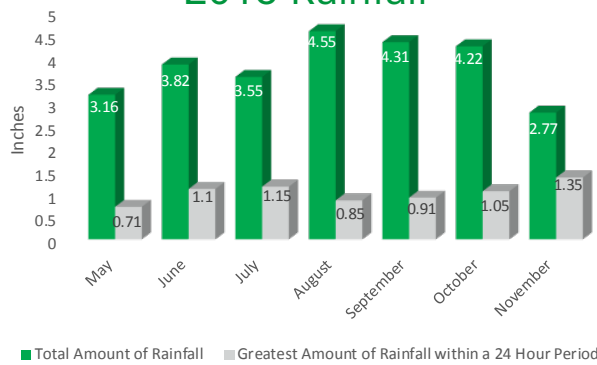
Planting Depth: 2 ¼"
Harvest Date: 11/21/18

Entry	Brand	Hybrid	Relative Maturity	Trait		Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC49-73RIB	99	VT2P	5,227	18.7	211.0	12	
2	DEKALB	DKC50-09RIB	100	VT2P	5,369	19.1	217.0	7	
3	NK Brand	NK9505	95	3110	4,194	18.9	171.0	15	
4	DEKALB	DKC50-84RIB	100	VT2P	5,251	18.7	215.0	9	
5	CROPLAN	4079	100	VT2P	5,477	19.0	224.0	5	
6	Becks	5140	101	HR	5,743	19.6	232.0	1	
7	DEKALB	DKC51-38RIB	101	VT2P	5,191	18.9	212.0	11	
8	CROPLAN	4199	101	VT2P	4,778	18.7	195.0	14	
9	DEKALB	DKC52-68RIB	102	VT2P	5,405	18.8	219.0	6	
10	Pioneer	P0306	103	AM	5,561	19.2	226.0	4	
11	NK Brand	NK0440	104	3010	5,197	18.5	216.0	8	
12	DEKALB	DKC55-84RIB	105	GENSS	5,387	18.8	231.0	2	
13	CROPLAN	4549	105	VT2P	4,928	18.5	219.0	6	
14	CROPLAN	4791	107	AS3111	5,079	19.2	230.0	3	
15	CROPLAN	4644	106	DGVT2P	4,559	18.9	213.0	10	
16	NK Brand	NK0624	106	3220 EZ1	4,260	19.0	203.0	13	
17	CROPLAN	4997	109	VT2P	4,502	19.5	216.0	8	
18	NK Brand	NK0962	109	3220A EZ1	3,267	19.6	154.0	16	
					Plot Average:	19.0	211.3		

Additional Comments:

Entry 18 was missing alot of plants.

2018 Rainfall



Total Rainfall: 26.38"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	32,000	2	16	32	2	good grain quality, GLS upper canopy, short plant, low ear placement
	33,000	2	16	30	2	avg. health, GLS, consistent ear placement
	28,500	2	14	35	2	long slender ear, avg. height, heavy GLS & NCLB, 1/2" tip back
	29,500	2	16	31	3	1/2" tip back, good grain quality
	32,000	2	16	32	4	consistent ear placement, heavy GLS & NCLB, avg. to short height
	30,000	2	16	31	4	tall plant, long slender ear, heavy GLS, little to no tip back
	35,000	2	20	27	2	consistent ear placement, medium GLS & NCLB, 1/2" tip back, short plant
	29,000	2	16	32	2	medium ear placement, 1/2" tip back, bird damage, heavy GLS, long slender ear
	30,000	2	20	28	2	short plant, heavy GLS, low ear placement, ear mold
	34,000	5	14	38	2	dry already, NCLB, & GLS, tall plant, long narrow ear
	33,000	5	16	34	2	GLS & NCLB, average grain quality
	33,500	2	14	35	2	NCLB, leafy upper canopy, heavy GLS in upper canopy, 1/2" tip back
	33,500	3	18	34	2	decent grain quality, short plant, low ear placement, 1/2" tip back
	33,000	2	14	38	2	avg. ear placement, 1/2" tip back, GLS in upper canopy
	30,500	2	18	27	2	consistent ear placement, upright leaf, heavy GLS, some NCLB, good grain
	33,000	2	16	37	2	heavy GLS & NCLB, low ear placement, consistent
	32,000	2	16	35	2	1/2" tip back, some GLS & NCLB, consistent height
	29,000	2	16	36	2	medium height, NCLB, & GLS, low ear placement, 3/4" tip back



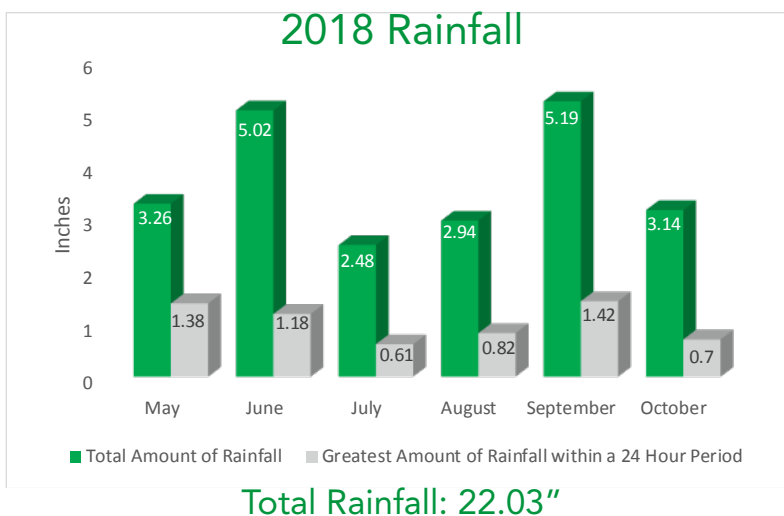


Planting Date: 5/11/18
Row Width: 30"

Planting Population: 32,000
Tillage: No-Till

Planting Depth: 1 3/4"
Harvest Date: 10/30/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	DEKALB	DKC 51-38RIB	101	GENSS	11,690	16.4	194.7	13
2	DEKALB	DKC 52-68RIB	102	VT2P	12,435	17.1	205.4	11
3	DEKALB	DKC 54-38RIB	104	GENSS	12,655	16.8	209.8	6
4	Pioneer	P0506	105	AM	12,040	17.1	198.9	12
5	DEKALB	DKC 55-84RIB	105	GENSS	12,385	16.5	206.1	9
6	DEKALB	DKC 57-97RIB	107	GENSS	12,490	16.5	207.8	8
7	DEKALB	DKC 60-87RIB	110	GENSS	13,345	17.0	220.7	2
8	DEKALB	DKC 62-20RIB	112	VT2P	12,395	16.8	205.5	10
9	DEKALB	DKC 62-52RIB	112	GENSS	13,468	17.6	221.1	1
10	DEKALB	DKC 63-60RIB	113	GENSS	12,950	18.3	210.8	5
11	Pioneer	P1442	114	AM	13,140	19.9	209.7	7
12	DEKALB	DKC 64-34RIB	114	GENSS	13,460	19.8	215.1	4
13	DEKALB	DKC64-87RIB	114	GENSS	13,355	18.9	215.8	3
Plot Average:						17.6	209.3	



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	32,000	2	18	32	1	shorter ear shank, smaller plant
	33,000	1	22	30	1	very strong ear shank, low ear placement
	30,000	2	16	32	1	open husk (birds in it)
	31,000	1	16	30	1	poor grain quality
	33,000	2	16	30	1	poor grain quality
	32,000	2	18	32	1	longer ear shank, few tops out
	28,000	1	18	34	2	medium length ear shank, inconsistent ear placement, husk open
	32,000	2	16	34	2	
	33,000	2	18	35	1	medium length ear shank, excellent, staying green
	32,000	2	16	36	2	few stalks giving, medium length ear shank
	33,000	3	16	34	2	weaker stalks, shorter ear shank
	32,000	2	16	32	1	some stalks giving, shorter ear shank
	33,000	2	18	34	1	medium ear shank





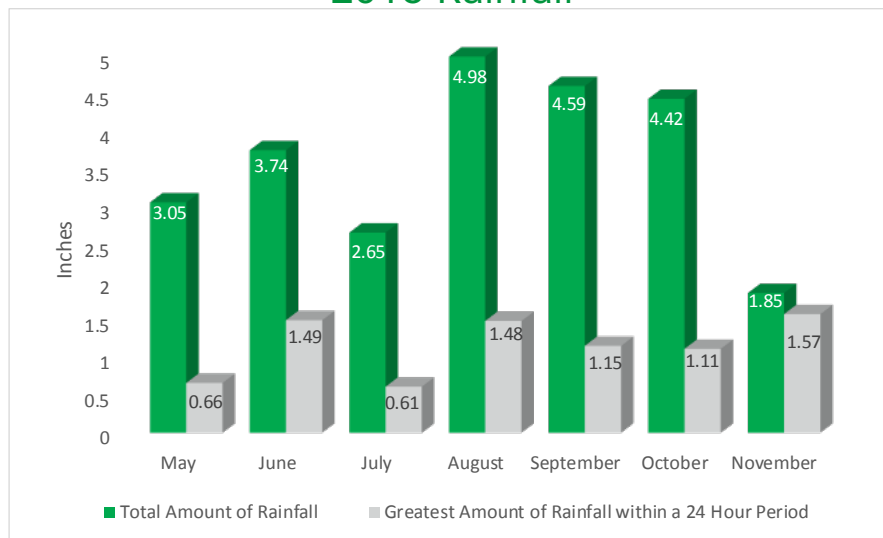
Planting Date: 5/11/18
Row Width: 30"

Planting Population: 32,000
Tillage: Conventional

Planting Depth: 2"
Harvest Date: 11/8/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	NK Brand	NK9505	95	3110	3,290	16.7	56.4	146.2	10
2	NK Brand	NK0330	103	3120 EZ1	4,220	16.8	57.7	187.4	8
3	NK Brand	NK0440	104	3010	4,730	16.1	57	211.8	4
4	NK Brand	NK0624	106	3220 EZ1	4,560	16.8	56.3	202.5	7
5	NK Brand	NK0962	109	3220A EZ1	4,760	17.0	56.4	210.8	5
6	NK Brand	NK1191	111	3111	4,700	17.7	57.6	206.4	6
7	NK Brand	NK1284	112	3220 EZ1	4,990	17.1	55.3	220.8	3
8	NK Brand	NK1354	113	3110	5,080	17.5	54.1	223.7	2
9	DEKALB	DKC63-60RIB	113	GENSS	5,440	18.2	59.1	237.5	1
10	CROPLAN	4791	107	AS3111	4,110	16.5	56.9	183.1	9
Plot Average:						17.0	56.7	203.0	

2018 Rainfall



Total Rainfall: 25.28"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	32,000	2	16	26	2	little disease
	28,000	2	18	32	2	high ear placement, girthy
	28,000	2	16	38	2	ear grown out end of husk, GLS, tall
	27,000	3	16	34	2	very upright leaf structure
	37,000	2	16	38	1	big ear, plant dying fast
	36,000	1	16	36	1	GLS
	35,000	2	16	34	2	very leafy, lopped over leaves
	33,000	2	16	36	1	girthy ear, narrow leaf margins
	36,000	1	16	32	1	loose husk cover, some GLS
	34,000	3	16	30	2	raccoon damage! loose husk



AUGLAIZE C-1



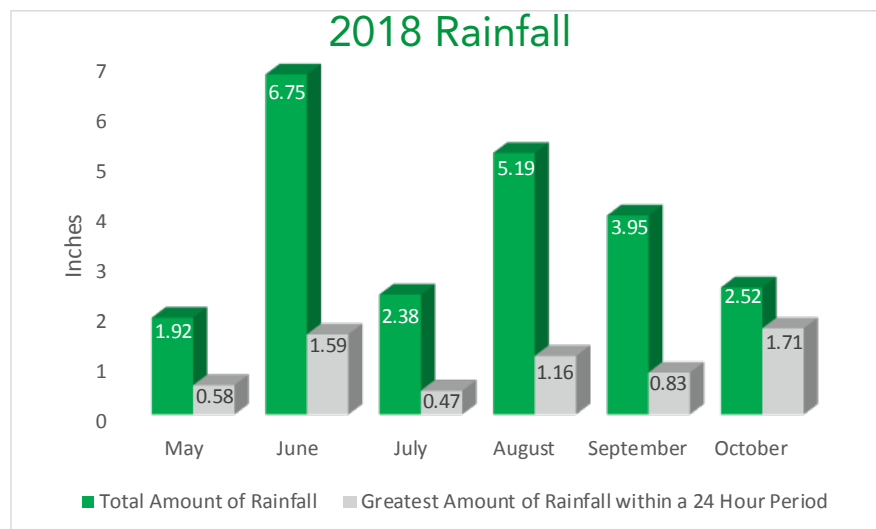
Auglaize
County

Planting Date: 5/9/18
Row Width: 30"

Planting Population: 29,000
Tillage: Conventional

Planting Depth: 1 ¼"
Harvest Date: 10/25/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	CROPLAN	4644	106	GENSS	2,964	14.7	54.3	189.8	13
2	CROPLAN	4791	107	AS3111	3,214	15.2	55.2	204.6	6
3	DEKALB	DKC57-97RIB	107	GENSS	3,080	15.0	57.8	196.6	11
4	CROPLAN	4895	108	GENSS	3,298	15.2	58	210.0	2
5	Pioneer	P0843	108	AM	3,214	15.2	55.4	204.6	6
6	CROPLAN	4997	109	VT2P	3,292	15.4	58.2	209.1	3
7	DEKALB	DKC60-87RIB	110	GENSS	3,188	15.8	58.3	201.6	8
8	Pioneer	P1197	111	AM	3,176	15.6	57.4	201.3	9
9	DEKALB	DKC62-20RIB	112	VT2P	3,084	15.6	55.4	195.4	12
10	DEKALB	DKC62-52RIB	112	GENSS	3,254	15.1	57.9	207.4	4
11	CROPLAN	5277	122	3220A EZ1	3,108	15.3	56.4	197.7	10
12	CROPLAN	5335	113	VT2P	3,512	16.2	58.1	221.0	1
13	DEKALB	DKC64-34RIB	114	GENSS	3,258	16.0	59.3	206.8	5
Plot Average:						15.4	57.2	203.5	



Total Rainfall: 22.71"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	24,000	2	16	40	2	chest to sholder high with a lot of NCLB and GLS
	26,000	2	16	36	3	chest to head high ear placement tip back with high NCLB and GLS
	22,000	2	18	34	2	flex ears with light disease pressure
	26,000	1	16	34	2	heavy NCLB and GLS pressure
	26,000	2	18	30	3	tip back with good ammount of GLS and NCLB
	25,000	2	16	40	2	moderate to low disease pressure
	27,000	2	18	36	2	tip back with high NCLB pressure and moderate GLS
	29,000	2	16	34	2	tip back with good canopy and mild disease pressure
	25,000	1	16	36	3	moderate tall plant with decent canopy and moderate disease pressure
	25,000	2	18	36	2	shorter plant with a lot of NCLB and little GLS, short husk shows potash deficiency
	25,000	2	14	36	3	tall plant with a lot of NCLB and good grain quality
	25,000	2	18	40	1	tall plant with a lot of GLS and NCLB
	27,000	2	18	34	2	some tip back with open husk and some bird damage



AUGLAIZE C-2



Auglaize
County

Planting Date: 5/2/18
Row Width: 30"

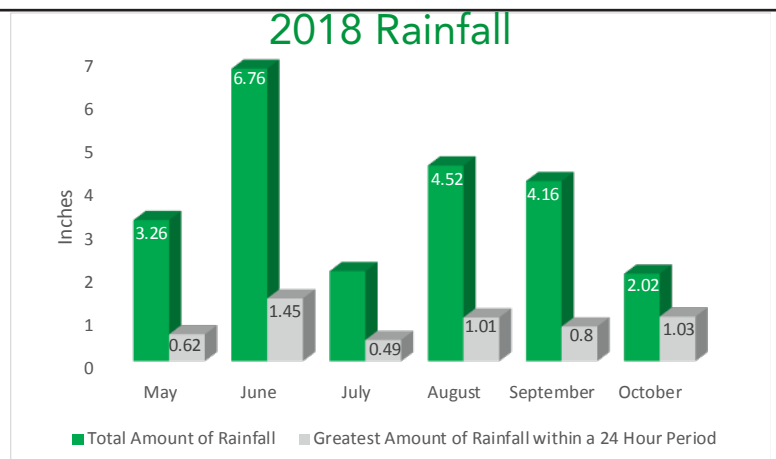
Planting Population: 32,000
Tillage: Conventional

Planting Depth: 1 ¾"
Harvest Date: 10/17/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	CROPLAN	4644	106	GENSS	7,260	16.0	256.3	10	
2	CROPLAN	4791	107	AS3111	7,023	16.4	246.8	16	
3	DEKALB	DKC57-97RIB	107	GENSS	7,590	15.6	269.3	3	
4	CROPLAN	4895	108	GENSS	7,478	16.3	263.1	9	
5	Becks	5829	108	A4	6,870	16.2	242.0	17	
6	CROPLAN	4997	109	VT2P	7,515	16.5	263.8	8	
7	DEKALB	DKC60-87RIB	110	GENSS	7,500	16.3	263.9	7	
8	DEKALB	DKC62-20RIB	112	VT2P	7,220	16.1	254.6	11	
9	DEKALB	DKC62-52RIB	112	GENSS	7,638	16.2	269.0	4	
10	CROPLAN	5277	112	VT2P	7,340	17.7	253.9	12	
11	CROPLAN	5335	113	VT2P	7,890	17.9	272.3	2	
12	Becks	6368	113	SX	7,783	18.1	267.9	5	
13	DEKALB	DKC63-60RIB	113	GENSS	7,725	17.6	267.6	6	
14	DEKALB	DKC64-34RIB	114	GENSS	8,088	17.4	280.8	1	
15	NK Brand	NK0624	106	3220 EZ1	7,070	16.4	248.4	14	
16	NK Brand	NK1191	111	3111	7,150	17.6	247.6	15	
17	NK Brand	NK1284	112	3220 EZ1	7,240	17.3	251.7	13	
				Plot Average:		16.8	259.9		

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	28,000	2	16	34		excellent kernel depth
	32,000	1	14	38		consistent ear placement
	31,500	1	16	37		tops were intact, ears stayed upright
	31,500	2	16	38		
	31,500	1	16	39		inconsistent ear size, minor tip back
	31,000	1	18	36		still has some life in the plant, girthy ear
	31,500	0	18	34		excellent kernel depth, large stalk diameters
	29,000	2	16	33		
	31,000	3	16	32		excellent kernel depth, tops falling apart
	31,500	1	16	42		white cob, very tall plant
	31,000	2	18	32		planter issues at front of plot
	30,500	1	16	30		minor sprouting of kernels, ears vary in height
	31,000	1	16	35		
	33,500	1	16	36		excellent kernel depth and grain quality
	33,500	1	14	35		minor Diplodia
	28,500	2	14	41		white cob

Total Rainfall:
22.8"



AUGLAIZE C-3



Auglaize
County

Planting Date: 5/7/18
Row Width: 30"

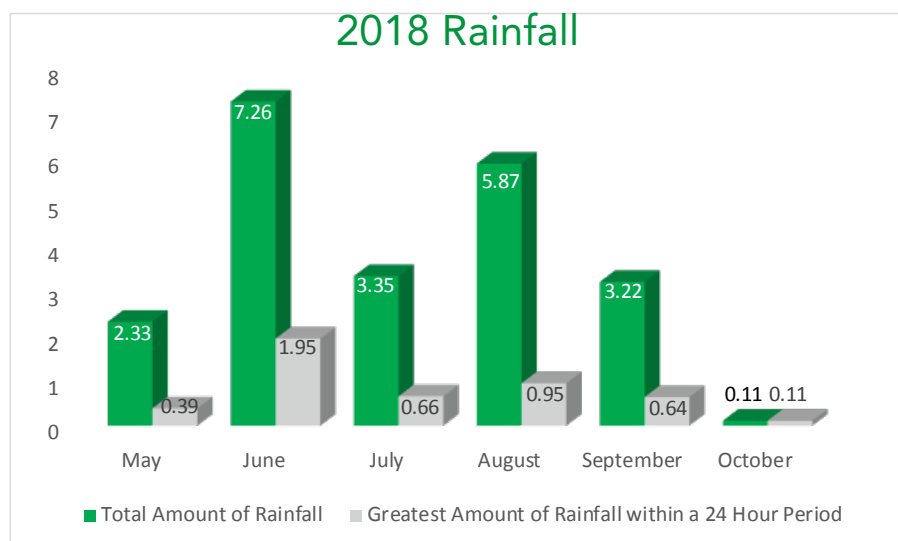
Planting Population: 31,000
Tillage: Conventional

Planting Depth: 1 3/4"
Harvest Date: 10/4/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	CROPLAN	4644	106	GENSS	6,840	16.3	219.6	10	
2	CROPLAN	4791	107	AS3111	6,300	16.5	201.8	13	
3	DEKALB	DKC57-97RIB	107	GENSS	6,325	16.4	202.8	12	
4	CROPLAN	4895	108	GENSS	7,178	16.9	228.8	6	
5	Pioneer	P0843	108	AM	6,975	17.1	221.8	9	
6	CROPLAN	4997	109	VT2P	6,963	16.6	222.7	7	
7	DEKALB	DKC60-87RIB	110	GENSS	6,985	17.1	222.1	8	
8	Pioneer	P1197	111	AM	8,350	17.7	263.6	1	
9	DEKALB	DKC62-20RIB	112	VT2P	7,820	17.1	248.7	3	
10	DEKALB	DKC62-52RIB	112	GENSS	7,293	17.1	231.9	5	
11	CROPLAN	5277	112	VT2P	7,500	17.7	236.8	4	
12	CROPLAN	5335	113	VT2P	8,443	18.9	262.6	2	
13	DEKALB	DKC63-60RIB	113	GENSS	6,435	17.8	202.9	11	
14	DEKALB	DKC64-34RIB	114	GENSS	5,740	17.5	181.6	14	
				Plot Average:		17.2	224.8		

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	30,500	2	16	35		
	30,000	1	16	37		
	30,000	2	16	37		tops were intact, standing better than most
	30,500	3	16	34		
	30,000	1	18	34		
	31,500	4	16	33		inconsistent ear size
	30,000	4	16	34		
	29,000	1	18	30		big, tall plant
	32,000	4	16	35		tops falling apart, short, girthy ears
	28,000	3	16	38		white cob
	30,000	2	18	34		some tops breaking out
	30,500	2	16	34		1/2" tip back
	28,500	3	18	32		water issues at front of entry, excellent kernel depth and grain quality

Total Rainfall:
 22.14"



AUGLAIZE C-4



Auglaize
County

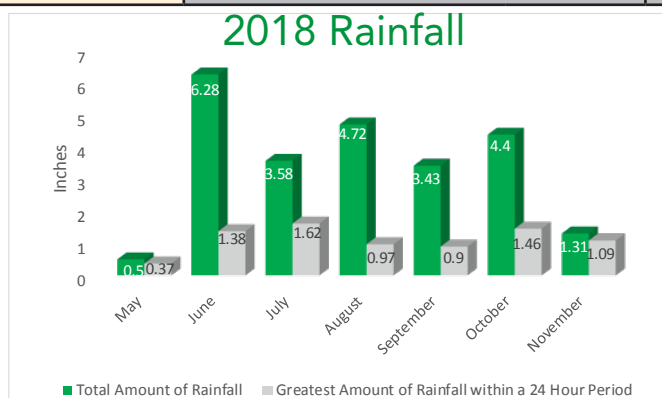
Planting Date: 5/25/18
Row Width: 30"

Planting Population: 37,000
Tillage: Conventional

Planting Depth: 1 1/2"
Harvest Date: 11/12/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	DEKALB	DKC55-84RIB	105	GENSS	6,282	16.5	210.0	14
2	DEKALB	DKC57-97RIB	107	GENSS	6,912	16.5	231.0	2
3	DEKALB	DKC58-34RIB	108	GENSS	6,735	17.4	222.7	9
4	DEKALB	DKC60-88RIB	110	VT2P	6,692	17.1	222.1	10
5	Pioneer	P1197	111	AM	6,730	16.6	224.6	8
6	DEKALB	DKC62-20RIB	112	VT2PRIB	7,040	17.2	233.7	1
7	DEKALB	DKC 62-52RIB	112	GENSS	6,868	17.6	226.6	6
8	DEKALB	DKC63-60RIB	113	GENSS	6,450	18.6	210.3	13
9	DEKALB	DKC64-34RIB	114	GENSS	6,885	18.2	225.4	7
10	DEKALB	DKC64-87RIB	114	GENSS	6,890	17.3	228.1	4
11	Pioneer	P1442	114	AM	6,463	19.0	209.6	15
12	DEKALB	DKC65-95RIB	115	VT2PRIB	6,935	18.3	226.9	5
13	CROPLAN	5290	112	VT2PRIB	6,307	18.7	205.3	16
14	CROPLAN	5252	112	VT2PRIB	5,930	18.5	193.4	18
15	CROPLAN	5277	112	AS3220	6,355	17.0	211.1	12
16	CROPLAN	X18110A	110	VT2PRIB	6,028	17.7	198.7	17
17	CROPLAN	4997	109	VT2PRIB	6,910	16.5	231.0	3
18	CROPLAN	4895	108	GENSS	6,650	17.3	220.2	11
Plot Average:						17.5	218.4	

Total Rainfall:
24.22"



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	33,000	4	16	33	1	bad stalk
	33,500	2	16	32	1	good grain
	35,000	2	16	34	1	erect, intact, good grain
	35,000	3	16	36	1	tops out, good grain
	36,000	3	14	36	1	intact
	38,000	2	18	32	1	good depth, intact
	35,000	2	16	36	1	tops out, small kernels
	36,000	2	16	30	1	intact, erect, some tip back, good color, deep kernels
	39,000	1	18	30	1	tops out, deep kernels
	38,500	4	16	32	1	tops out, falling down
	38,500	3	14	34	1	uneven height, tops out, tip back
	37,500	2	16	32	1	standing good, staygreen, some mold
	38,000	5	16	36	1	down, mold
	33,500	5	16	34	3	down bad
	37,000	4	16	36	2	going down, pale and light
	32,000	4	18	32	2	down, consistent
	35,500	2	18	36	1	standing, consistent
	37,500	2	16	32	1	



AUGLAIZE C-5



Auglaize
County

Planting Date: 5/2/18
Row Width: 30"

Planting Population: 34,800
Tillage: Conventional

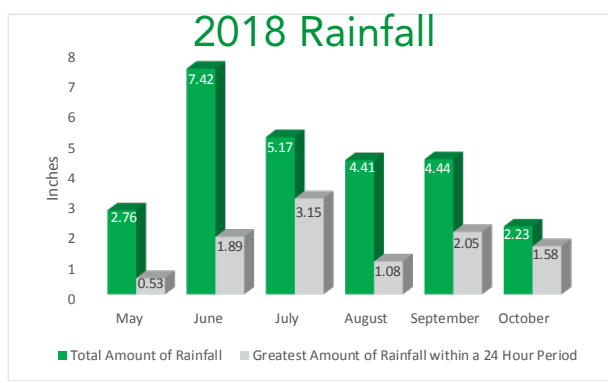
Planting Depth: 1 1/2"
Harvest Date: 10/17/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank	
1	DEKALB	DKC57-97RIB	107	GENSS						
2	DEKALB	DKC57-97RIB	107	GENSS	1,970	14.1	59.7	266.3	6	
3	DEKALB	DKC61-54RIB	111	GENSS	1,860	15.1	60.9	248.5	14	
4	DEKALB	DKC62-52RIB	112	GENSS	1,930	14.9	59.7	258.4	10	
5	DEKALB	DKC62-20RIB	112	VT2P	1,980	14.9	59.0	265.1	7	
6	DEKALB	DKC63-60RIB	113	GENSS	1,950	15.4	60.2	259.6	8	
7	DEKALB	DKC64-34RIB	114	GENSS	2,010	15.8	61.8	269.1	4	
8	DEKALB	DKC64-89RIB	114	GENSS	2,010	15.1	60.4	271.3	3	
9	CROPLAN	CP 4791	107	AS3111	1,950	15.6	59.8	259.0	9	
10	CROPLAN	CP 4895	108	SSRIB	1,910	15.8	59.4	253.1	12	
11	CROPLAN	CP 4997	109	VT2PRIB	1,990	14.5	60.1	267.7	5	
12	CROPLAN	CP 5290	112	DGVT2PRIB	1,890	15.8	61.5	250.4	13	
13	CROPLAN	CP 5252	112	VT2PRIB	1,910	15.0	62.3	255.5	11	
14	CROPLAN	CP 5335	113	VT2PRIB	2,080	15.6	62.3	276.2	2	
15	CROPLAN	CP 5370	113	VT2PRIB	2,080	15.4	57.5	276.9	1	
				Plot Average:		15.2	60.4	262.7		

Additional Comments:

Entry 1 was used as a buffer. Entry 2 experienced a lot of damage.
Planter skipped 4 feet into each entry for entries 7 & 8.

Total Rainfall:
26.42"



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
						used as a buffer
	32,000	2	16	32	2	looks good, uneven ear height
	33,000	2	14	34	1	tops out
	33,000	2	16	33	2	tops out
	32,000	4	14	35	2	going down
	31,000	2	16	33	1	tall-ok
	33,000	2	16	30	2	tall, tops coming out
	33,000	1	16	33	1	tops starting to come out
	32,000	2	16	37	1	ears upright
	29,000	1	18	37	1	tall, tops in
	32,000	2	16	33	1	tall, standing well
	31,000	5	14	36	1	tops out
	33,000	4	16	34	1	going down
	33,000	1	18	32	1	standing well
	35,000	1	18	34	1	standing well



AUGLAIZE C-6



Auglaize
County

Planting Date: 5/2/18
Row Width: 30"

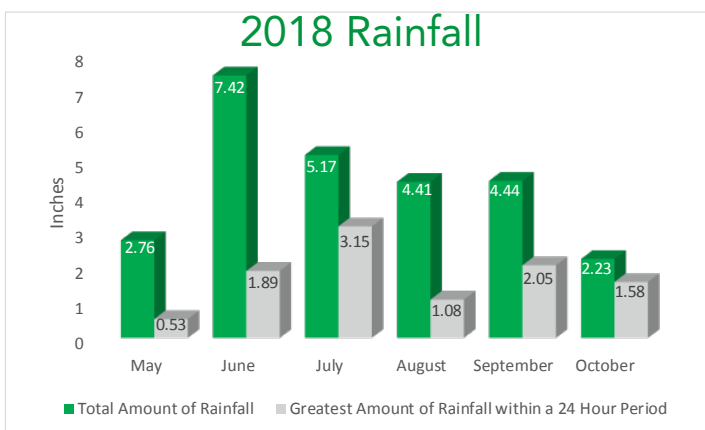
Planting Population: 32,500
Tillage: Conventional

Planting Depth: 1 ½"
Harvest Date: 10/17/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank	
1	Mycogen	MY12G35	112	RM-PW						
2	NK Brand	NK1284	112	3220-EZ1	2,150	15.5	60.8	268.0	1	
3	NK Brand	NK1191	111	3111	2,050	16.3	55.5	253.1	5	
4	NK Brand	NK0962	109	3220-EZ1	2,090	14.9	57.6	262.4	2	
5	NK Brand	NK0624	106	3220-EZ1	1,950	15.7	57.0	242.5	8	
6	NK Brand	NK0440	104	3010	2,060	14.6	57.3	259.5	3	
7	NK Brand	NK0330	103	3120-EZ1	1,950	15.1	58.2	244.2	7	
8	Mycogen	MY00J47	100	RM SSX	1,630	14.7	60.2	205.1	12	
9	Mycogen	MY04Y97	104	RM SSX	1,960	14.6	60.2	246.9	6	
10	Mycogen	MY06R36	106	RM PW-E	1,750	15.7	61.1	217.6	11	
11	Mycogen	MY11B25	111	RM PW	1,890	15.3	59.6	236.2	10	
12	Mycogen	MY12H25	112	RM PW	1,970	16.8	58.1	241.8	9	
13	Mycogen	MY12G35	112	RM PW	2,060	15.7	59.0	256.2	4	
				Plot Average:		15.4	58.7	244.5		

Additional Comments:
Entry 1 was used as a buffer.

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	29,000	2	16	35	2	used as a buffer, did not weigh
	31,000	2	16	36	2	varying ear heights
	30,000	1	16	36	1	tops out, erratic spacing
	31,000	2	16	33	2	tops out, uneven emergence
	33,000	4	14	35	2	tops out
	32,000	4	16	33	2	high ear placement
	31,000	7	20	36	1	even ear placement
	33,000	5	16	33	2	tops intact, some mold
	29,000	1	18	30	1	tops intact
	30,000	1	16	31	1	tall, standing well
	29,000	2	16	36	1	tall, standing well
	30,000	1	18	31	1	standing well, uneven ear height
	30,000	1	18	31	1	standing well, uneven ear height



CHAMPAIGN C-1



Planting Date: 5/14/18
Row Width: 30"

Planting Population: 34,000
Tillage: Conventional

Planting Depth: 1 3/4"
Harvest Date: 10/20/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC55-85RIB	105	VT2P	8,095	15.5	262.4	6	
2	DEKALB	DKC57-99RIB	107	VT2P	7,627	15.3	247.8	13	
3	DEKALB	DKC60-88RIB	110	VT2P	8,193	16.8	261.5	7	
4	Pioneer	P1197	111	AM	2,795	15.7	225.9	18	
5	DEKALB	DKC62-20RIB	112	GENSS					
6	DEKALB	DKC62-53RIB	112	VT2P	8,210	16.3	263.6	5	
7	DEKALB	DKC63-60RIB	113	GENSS	7,690	16.8	245.4	15	
8	DEKALB	DKC64-35RIB	114	VT2P	8,325	16.4	266.9	3	
9	DEKALB	DKC64-89RIB	114	VT2P	7,835	17.5	247.9	12	
10	Pioneer	P1443	114	AM					
11	DEKALB	DKC65-95RIB	115	VT2P	8,758	17.9	275.8	1	
12	NK Brand	NK0962	109	3220A EZ1					
13	NK Brand	NK1191	111	3111	7,695	17.6	243.2	16	
14	NK Brand	NK1284	112	3220 EZ1	7,730	16.3	248.2	11	
15	CROPLAN	5252	112	VT2P					
16	CROPLAN	5277	112	VT2P	7,154	16.3	229.7	17	
17	CROPLAN	5290	112	DGVT2P	7,900	18.6	246.7	14	
18	CROPLAN	X18108A	108	GENSS	7,900	16.8	252.1	8	
19	CROPLAN	4997	109	VT2P	8,265	16.2	265.7	4	
20	CROPLAN	4791	107	AS3111	7,825	16.8	249.7	10	
21	CROPLAN	4644	106	DGVT2P	7,814	16.4	250.6	9	
22	AgriGold	A6544	113	VT2PRIB					
23	AgriGold	A639-40	109	VT2PRIB	8,485	17.0	270.1	2	
24	Golden Harvest	G10T63	110	3120-EZ1					
25	Golden Harvest	G09Y24	109	3220A-EZ1					
26	Seed Consultants	SCS1086	108	YHR					
27	Becks	5513	105						
28	Becks	6158	111						
29	Becks	5840	108						
30	Seed Consultants	10HR43	104	HR					
				Plot Average:		16.1	252.9		



Clark
County

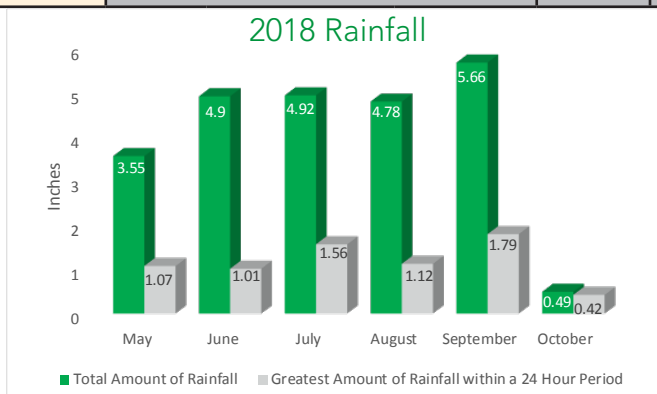
Planting Date: 5/9/18
Row Width: 30"

Planting Population: 32,500
Tillage: No-Till

Planting Depth: 1 3/4"
Harvest Date: 10/21/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	DEKALB	DKC55-84RIB	105	GENSS	0	0		
2	DEKALB	DKC57-99RIB	107	VT2P	0	0		
3	DEKALB	DKC60-88RIB	110	VT2P	4505	14.7	196.6	12
4	Pioneer	P1197	111	AM	4468	14.8	194.7	14
5	DEKALB	DKC62-20RIB	112	VT2P	4725	14.7	206.2	9
6	DEKALB	DKC62-53RIB	112	VT2P	4990	15.0	217.0	2
7	DEKALB	DKC63-60RIB	113	GENSS	4670	15.5	201.8	10
8	DEKALB	DKC64-35RIB	114	VT2P	4820	15.6	208.0	8
9	DEKALB	DKC64-87RIB	114	GENSS	4887	15.5	211.3	5
10	Pioneer	P1443	114	AM	4290	15.7	184.9	15
11	DEKALB	DKC65-95RIB	115	VT2P	5195	15.7	223.9	1
12	CROPLAN	X18111A	111	GENSS	4907	16.0	210.8	7
13	CROPLAN	5335	113	VT2P	4550	16.0	195.6	13
14	CROPLAN	X18108A	108	GENSS	4237	14.7	184.9	16
15	CROPLAN	4791	107	AS3111	4565	14.0	200.8	11
16	CROPLAN	4997	109	VT2P	4847	14.3	212.5	3
17	CROPLAN	X18105A	105	GENSS	4830	14.5	211.1	6
18	CROPLAN	4644	106	DGVT2P	4820	13.9	212.2	4
Plot Average:						15.0	204.5	

Additional Comments:
Entries 1 & 2 did not
have data recorded.





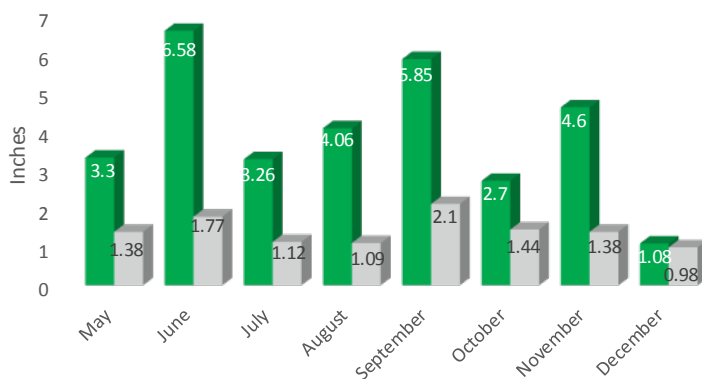
Planting Date: 5/11/18
Row Width: 30"

Planting Population: 34,000
Tillage: Conservation

Planting Depth: 1 3/4"
Harvest Date: 12/8/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	DEKALB	DKC55-85RIB	105	VT2P	7,333	17.0	200.1	12
2	DEKALB	DKC57-97RIB	107	GENSS	8,165	17.1	222.5	4
3	DEKALB	DKC60-87RIB	110	GENSS	8,222	17.5	223.0	3
4	Pioneer	P1197	111	AM	7,310	17.2	199.0	14
5	DEKALB	DKC62-20RIB	112	VT2P	7,390	17.3	200.9	11
6	DEKALB	DKC62-53RIB	112	VT2P	7,815	17.7	211.5	8
7	DEKALB	DKC63-60RIB	113	GENSS	7,372	17.6	199.7	13
8	DEKALB	DKC64-34RIB	114	GENSS	7,548	17.9	203.7	9
9	DEKALB	DKC64-87RIB	114	GENSS	7,947	17.4	215.8	5
10	Pioneer	P1442	114	AM	7,088	17.7	191.8	15
11	DEKALB	DKC65-95RIB	115	VT2P	8,345	17.9	225.2	2
12	CROPLAN	X18114B	114	VT2P	8,438	18.2	226.9	1
13	CROPLAN	5370	113	VT2P	7,918	17.6	214.5	6
14	CROPLAN	5252	112	VT2P	7,005	17.4	190.2	17
15	CROPLAN	5277	112	VT2P	6,640	17.1	181.0	18
16	CROPLAN	5073	110	GENSS	7,020	17.2	191.1	16
17	CROPLAN	X18108A	108	GENSS	7,478	17.5	202.8	10
18	CROPLAN	4895	108	GENSS	7,878	17.5	213.7	7
Plot Average:						17.5	206.3	

2018 Rainfall



Total Rainfall:
31.43"

■ Total Amount of Rainfall ■ Greatest Amount of Rainfall within a 24 Hour Period



Clark
County

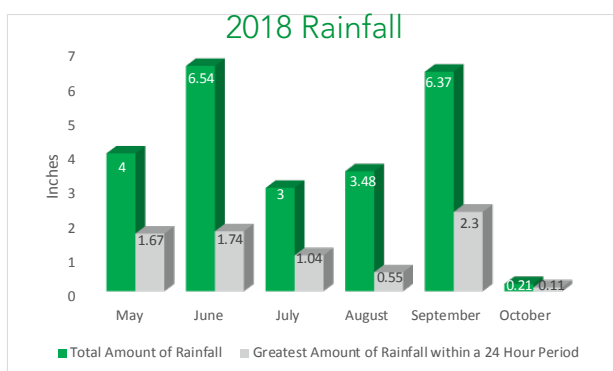
Planting Date: 5/11/18
Row Width: 30"

Planting Population: 34,000
Tillage: Conventional

Planting Depth: 1 3/4"
Harvest Date: 10/6/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	DEKALB	DKC55-85RIB	105	VT2P	4,930	17.8	219.7	13
2	DEKALB	DKC57-99RIB	107	VT2P	5,030	16.7	227.2	8
3	DEKALB	DKC60-88RIB	110	VT2P	5,118	18.3	226.7	9
4	Pioneer	P1197	111	AM	5,038	18.4	222.9	11
5	DEKALB	DKC62-20RIB	112	VT2P	5,155	18.6	227.5	7
6	DEKALB	DKC62-53RIB	112	GENSS	4,770	19.3	208.7	16
7	DEKALB	DKC63-60RIB	113	GENSS	4,238	20.5	182.7	18
8	DEKALB	DKC64-35RIB	114	VT2P	5,117	20.4	220.8	12
9	DEKALB	DKC64-87RIB	114	GENSS	5,005	19.9	217.1	14
10	Pioneer	P1443	114	AM	4,570	19.7	199.0	17
11	DEKALB	DKC65-95RIB	115	VT2P	5,402	20.0	234.0	4
12	CROPLAN	5370	113	VT2P	5,578	20.6	239.8	2
13	CROPLAN	5335	113	VT2P	5,364	22.1	226.3	10
14	CROPLAN	X18110	110	AI,VT2P	5,432	19.3	237.4	3
15	CROPLAN	5277	112	VT2P	4,883	19.6	213.0	15
16	CROPLAN	4997	109	VT2P	5,540	19.0	243.1	1
17	CROPLAN	4895	108	GENSS	5,295	19.6	230.8	5
18	CROPLAN	5073	110	GENSS	5,255	19.6	229.1	6
Plot Average:						19.3	222.5	

Total Rainfall:
23.6"



CLARK C-4 (SILAGE)

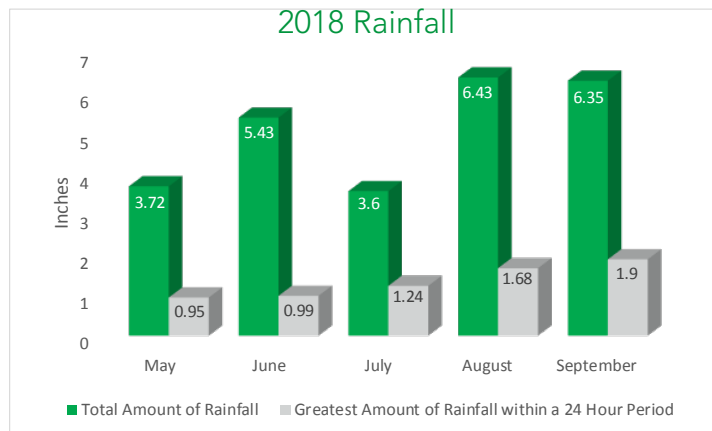


Planting Date: 5/2/18
Row Width: 30"

Planting Population: 35,500
Tillage: No-Till

Planting Depth: 1 ¾"
Harvest Date: 9/7/18

Entry	Brand	Hybrid	Trait	Harvest Moisture %	Tons/Acre
1	AgriGold	A6619	VT2P	60.3	22.27
2	Dyna-Gro	D55VC45	RIB	61.64	27.42
3	CROPLAN	5570	VT2P	59.43	23.43
4	AgriGold	A6652	VT2PRIB	60.78	26.75
5	CROPLAN	X17116B	SS	59.11	23.69
6	Channel	220-98	STXRIB	60.08	22.00
7	AgriGold	A6711	VT2PRIB	61.56	30.30
8	CROPLAN	5789	VT2P	60.83	24.17
9	CROPLAN	5678	VT2P	51.79	27.11
10	DEKALB	DKC64-35RIB	GEN VT2P	56.51	29.48
11	CROPLAN	5290	DGVT2P	53.82	27.91
12	DEKALB	DKC62-53RIB	GEN VT2P	55.89	37.59
13	DEKALB	DKC57-99RIB	GEN VT2P	56.02	27.83
14	CROPLAN	7927	VT3P	56.54	24.94
Plot Average:				58.16	26.8



CLINTON C-1



Clinton
County

Planting Date: 5/11/18
Row Width: 30"

Planting Population: 35,500
Tillage: No-Till

Planting Depth: 1 3/4"
Harvest Date: 12/25/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC57-97RIB	107	GENSS	4,035	17.7	254.7	10	
2	CROPLAN	4895	108	GENSS	3,855	18.3	241.6	15	
3	Pioneer	P0843	108	AM	4,157	18.0	261.5	5	
4	CROPLAN	4997	109	VT2P	4,122	18.0	259.3	7	
5	CROPLAN	5073	110		4,093	17.9	257.8	8	
6	DEKALB	DKC62-20RIB	112	VT2P	4,049	17.9	255.0	9	
7	DEKALB	DKC62-52RIB	112	GENSS	4,046	18.2	253.9	12	
8	CROPLAN	5277	112	VT2P	3,849	18.6	240.3	16	
9	CROPLAN	5370	113	VT2P	4,441	18.2	278.7	1	
10	CROPLAN	5335	113	VT2P	4,173	18.6	260.6	6	
11	CROPLAN	X18113A	113	VT2P	4,172	18.2	261.8	4	
12	DEKALB	DKC63-60RIB	113	GENSS	3,882	18.1	243.9	13	
13	DEKALB	DKC64-34RIB	114	GENSS	4,234	18.7	264.1	3	
14	Pioneer	P1442	114	AM	3,864	18.3	242.2	14	
15	CROPLAN	5678	116	VT2P	4,062	18.4	254.3	11	
16	DEKALB	DKC67-42RIB	117	GENSS	4,317	18.3	270.6	2	
					Plot Average:	18.2	256.3		

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	30,500	2	16	32	3	tall, high ear, low disease
	34,500	2	18	26	3	deep kernel depth, average disease, medium ear height
	33,000	3	16	26	2	big kernel, high ear, inconsistent ear rows, upright ear
	34,000	2	18	28	3	good plant health, lower leaf gone, N deficient
	33,000	2	18	28	3	good kernel depth-size-grainfill, high ear, tall plant, wide leaf
	32,000	1	16	16	2	N deficient, healthy, good stalk, tall ear
	32,500	2	18	18	3	big ear, good kernel depth-size, firing at bottom, open husk
	34,000	2	14	14	1	narrow ear, large brace roots, tip-back, high ear
	33,000	2	20	20	3	tip-back, deep kernel, great plant health, minimal disease
	32,000	2	18	32	2	medium health
	32,000	2	20	30	3	good plant health, minimal disease, fat ear, deep kernels
	32,000	1	16	30	2	high ear, little tip back, average kernel depth
	32,500	2	18	28	3	glossy kernels, ear rot, disease pressure, large brace roots
	33,000	3	16	32	2	a lot of tip-back, inconsistent ear placement, N deficient
	34,000	3	16	32	4	inconsistent ear height
	33,000	2	18	30	2	good kernel depth, clean healthy plant



CLINTON C-2



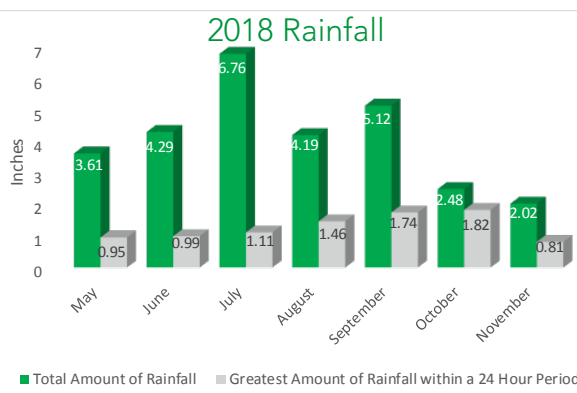
Clinton
County

Planting Date: 5/8/18
Row Width: 30"

Planting Population: 35,000
Tillage: Conventional

Planting Depth: 2"
Harvest Date: 11/14/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank	
1	DEKALB	DKC55-84RIB	105	GENSS	4,494	17.3	56.7	220.4	20	
2	DEKALB	DKC57-97RIB	107	GENSS	4,592	17.2	58.1	224.9	18	
3	DEKALB	DKC60-87RIB	110	GENSS	4,826	16.8	59.3	236.9	5	
4	Pioneer	P1197	111	AM	4,854	17.1	57.7	236.8	6	
5	DEKALB	DKC62-20RIB	112	VT2P	4,704	17.4	56.8	228.1	16	
6	DEKALB	DKC62-52RIB	112	GENSS	4,896	17.3	58.7	237.1	4	
7	DEKALB	DKC63-60RIB	113	GENSS	4,874	17.1	59.6	236.0	7	
8	DEKALB	DKC64-34RIB	114	GENSS	4,868	17.5	59.1	234.0	11	
9	DEKALB	DKC64-87RIB	114	GENSS	4,890	17.1	58.9	235.6	8	
10	Pioneer	P1442	114	AM	4,298	17.5	60.2	205.5	21	
11	DEKALB	DKC65-95RIB	115	VT2P	5,152	17.2	60.5	246.7	1	
12	DEKALB	DKC67-42RIB	117	GENSS	4,914	17.5	60.0	233.8	12	
13	CROPLAN	5789	117	VT2PRIB	5,164	17.5	61.2	245.1	2	
14	CROPLAN	X18117A	117	GENSS	4,950	17.9	62.0	233.2	13	
15	CROPLAN	5570	115	VT2PRIB	4,778	17.5	59.4	225.7	17	
16	CROPLAN	18114B	114	VT2PRIB	4,920	17.5	61.3	231.8	15	
17	CROPLAN	5370	113	VT2PRIB	5,086	17.0	59.6	240.5	3	
18	CROPLAN	5335	113	VT2PRIB	5,020	17.5	59.5	235.3	9	
19	CROPLAN	5073	110	GENSS	4,936	17.1	57.7	231.9	14	
20	CROPLAN	5335	113	VT2PRIB	5,034	17.4	59.5	235.1	10	
21	Dyna-Gro	XXXX			4,566	17.3	60.7	224.6	19	
			Plot Average:			17.3	59.4	232.3		



Total Rainfall:
28.47"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	35,500	2	18	28	2	low disease pressure, inconsistent ear height
	37,000	1	16	30	1	short fat ear, medium disease, deep kernel, tip back
	35,000	3	16	28	3	high ear placement, tall plant, consistent
	36,000	4	16	33	2	inconsistent ear height, unhealthy plant
	34,000	2	16	30	2	no tip-back, great stand
	36,000	2	18	28	2	no tip-back, deep kernel, healthy plant, open husk
	36,500	2	16	32	2	average disease, N deficient
	36,000	2	18	30	2	GLS, green plant
	35,500	1	18	36	1	ear disease-sprout, open husk, healthy plant, average disease
	34,000	3	16	33	1	high disease pressure, bad emergence
	33,500	2	16	28	3	ear leaf disease, flex at lower pop., short plant
	37,000	2	18	24	1	N deficient, tip-back, great kernel depth and grain quality
	35,000	1	16	30	2	tip back, N deficient, average disease pressure
	35,500	1	16	30	2	green healthy plant, tip back, average disease, good kernel size
	38,500	2	18	30	2	N deficient, low disease
	38,500	3	18	26	3	fat & short ear, great grain quality, average disease, N deficient
	36,500	1	18	28	2	disease average, ear leaf disease, clean top, N deficient
	37,000	2	18	28	3	low disease pressure, medium ear height, good kernel depth
	36,500	3	16	32	2	good grain quality and set



CRAWFORD C-1



Crawford
County

Planting Date: 5/25/18
Row Width: 30"

Planting Population: 34,000
Tillage: Conservation

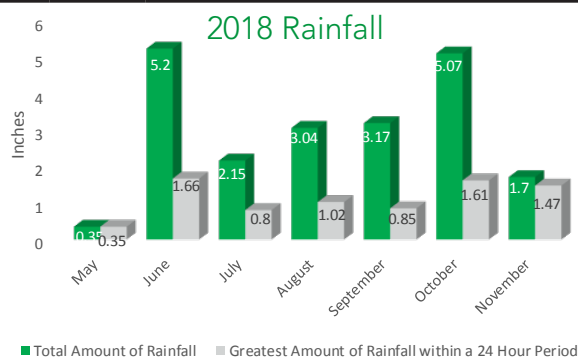
Planting Depth: 1 1/2"
Harvest Date: 11/9/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Moisture %	Harvest Weight	Bushel/Acre	Yield Rank
1	DEKALB	DKC 51-38RIB	101	GENSS	2,845	18.2	163.2	20
2	DEKALB	DKC 52-68RIB	102	VT2P	3,163	18.9	179.9	19
3	Pioneer	P0157	101	AM	3,240	19.4	183.2	18
4	DEKALB	DKC 53-38RIB	103	VT2P	3,262	18.6	186.2	15
5	DEKALB	DKC 54-38RIB	104	GENSS	3,267	19.0	185.6	16
6	DEKALB	DKC 55-85RIB	105	VT2P	3,390	18.3	194.3	9
7	DEKALB	DKC 57-99RIB	107	VT2P	3,207	18.1	184.2	17
8	Pioneer	P0843	108	AM	3,393	18.7	193.5	10
9	DEKALB	DKC 60-88RIB		VT2P	3,348	19.2	189.7	13
10	DEKALB	DKC 61-55RIB		VT2P	3,442	20.1	192.9	12
11	DEKALB	DKC 62-20RIB		VT2P	3,710	19.1	210.5	2
12	DEKALB	DKC 62-53RIB		VT2P	3,460	19.3	195.8	6
13	DEKALB	DKC 63-60RIB		GENSS	3,353	20.1	187.9	14
14	Pioneer	P1442		AM	3,504	20.9	194.4	8
15	DEKALB	DKC 64-35RIB		VT2P	3,790	20.6	211.1	1
16	DEKALB	DKC 64-89RIB		VT2P	3,573	19.2	202.5	3
17	CROPLAN	5370		DGVT2PRIB	3,477	19.2	197.0	5
18	CROPLAN	5290		DGVT2PRIB	3,470	19.8	195.2	7
19	CROPLAN	4895		GENSS	3,393	18.9	193.0	11
20	CROPLAN	4488		GENSS	3,492	17.9	201.1	4
Plot Average:						19.2	192.1	



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	34,500	3	18	21.5	1	below average NCLB
	32,500	1	18	22	2	below average GLS
	29,000	2	16	28	2	Giberella
	32,000	3	16	26	2	below average NCLB
	33,500	1	16	29	2	below average NCLB
	34,000	5	16	28	2	poor stalk
	31,500	3	16	30	4	ran out of N
	32,500	2	14	29	2	Gibberella, below average NCLB
	31,500	2	14	32	2	below average GLS & NCLB
	31,000	1	16	27	2	above average
	31,500	1	18	29	4	above average
	32,500	1	16	29	2	excellent GLS
	34,000	1	16	28	1	inconsistent ear
	30,000	1	16	31	2	tall, aborted kernels, zipper ear
	30,500	1	18	28	2	excellent GLS & NCLB, very consistent ear
	33,000	1	16	27	2	really nice looking grain
	31,500	1	18	27	2	
	35,000	2	16	26	3	weak stalk and shank
	33,500	1	16	26	2	
	33,000	3	16	26	4	

Total Rainfall:
20.68"



CRAWFORD C-2



Crawford
County

Planting Date: 5/14/18
Row Width: 30"

Planting Population: 36,000
Tillage: Conservation

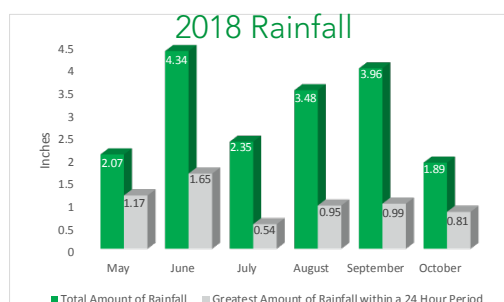
Planting Depth: 1 ¾"
Harvest Date: 10/24/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC 49-73RIB	99	VT2PRIB	4,517	15.7	229.1	17	
2	DEKALB	DKC 50-08RIB	100	GENSS	4,475	15.6	227.2	19	
3	DEKALB	DKC 50-84RIB	100	VT2PRIB	4463	15.3	227.4	18	
4	DEKALB	DKC 51-38RIB	101	GENSS	4,363	15.5	221.8	23	
5	DEKALB	DKC 52-68RIB	102	VT2PRIB	4437	15.9	224.5	21	
6	DEKALB	DKC 53-56RIB	103	GENSS	4,455	15.8	225.7	20	
7	DEKALB	DKC 54-38RIB	104	GENSS	4,408	15.8	223.3	22	
8	Becks	5140	105	HR	4,700	17.1	234.4	15	
9	DEKALB	DKC 55-84RIB	105	GENSS	4,780	15.8	242.2	8	
10	DEKALB	DKC 57-97RIB	107	GENSS	4,697	16.3	236.5	13	
11	DEKALB	DKC 58-35RIB	108	VT2PRIB	4,817	16.5	242.0	9	
12	Becks	5840	108	AM	4,703	16.5	236.3	14	
13	DEKALB	DKC 60-87RIB	110	GENSS	4,768	16.8	238.7	12	
14	DEKALB	DKC 61-54RIB	111	GENSS	4,930	17.3	245.3	6	
15	Becks	6082	110	AM	4,610	16.3	232.2	16	
16	DEKALB	DKC 62-20RIB	112	VT2PRIB	5,005	16.2	252.3	2	
17	DEKALB	DKC 62-52	112	GENSS	4,937	16.5	248.0	4	
18	CROPLAN	5277	112	AS3220	4,790	16.8	239.8	10	
19	CROPLAN	4997	109	VT2PRIB	4,940	16.3	248.8	3	
20	CROPLAN	4895	108	GENSS	4,805	17.1	239.7	11	
21	CROPLAN	4644	106	DGVT2PRIB	4,823	15.6	244.9	7	
22	CROPLAN	4549	105	VT2PRIB	4,830	15.3	246.1	5	
23	NK Brand	NK1354	113	3110	5,125	17.3	255.0	1	
				Plot Average:		16.2	237.4		



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
		1	14	30	3	good staygreen
		2	14	34	3	large kernels
		4	16	28	3	root lodging
		2	18	28	2	very good ear shank
		2	20	33	3	
		2	16	28	2	
		3	16	34	2	damage at the end of ear from open husks, tops starting to break
		2	16	28	1	good staygreen, large kernels
		4	16	28	2	root lodging
		2	16	31	3	good staygreen, very large kernels, small ear shank diameter
		2	16	30	2	tight husk, Gibberella
		4	20	26	2	root lodging
		4	18	30	3	root lodging
		3	16	33	2	
		4	16	33	2	good ear shank, root lodging
		2	18	32	1	large kernels, very good ear shank
		4	16	34	2	diplodia , root lodging
		4	16	27	3	root lodging
		2	18	33	2	good staygreen, large kernels
		3	16	32	3	some Diplodia, long shank
		3	14	32	2	
		3	18	28	2	tops starting to break
		2	16	33	2	

Total Rainfall:
18.1"



DARKE C-1

Soil Information:

O.M. %: 4 Soil pH: 6.8
Soil Type: Silty Loam



Planting Date: 5/11/18
Row Width: 30"

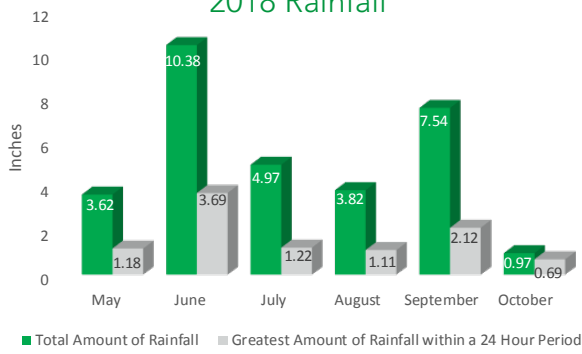
Planting Population: 33,000
Tillage: Conventional

Planting Depth: 2"
Harvest Date: 11/10/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	CROPLAN	4644	106	DG,VT2	4,895	17.0	252.4	8
2	CROPLAN	4791	107	AS3111	5,037	17.0	259.7	6
3	DEKALB	DKC57-97RIB	107	GENSS	5,079	17.0	261.8	5
4	CROPLAN	4895	108	GENSS	4,657	17.0	240.1	16
5	Becks	5840	108	AM	4,690	17.0	241.8	14
6	CROPLAN	4997	109	VT2P	5,167	17.0	266.4	2
7	DEKALB	DKC60-87RIB	110	GENSS	4,866	17.0	250.9	9
8	Becks	6225	112	HR	5,081	17.0	262.0	4
9	DEKALB	DKC62-20RIB	112	VT2P	4,971	17.0	256.3	7
10	DEKALB	DKC62-52RIB	112	GENSS	4,783	17.0	246.6	11
11	CROPLAN	5277	112	VT2P	4,753	17.0	245.0	13
12	CROPLAN	5335	113	VT2P	5,084	17.0	262.1	3
13	DEKALB	DKC63-60RIB	113	GENSS	4,767	17.0	245.8	12
14	DEKALB	DKC64-34RIB	114	GENSS	5,214	17.0	268.8	1
15	NK Brand	NK0624	106	3220A-EZ1	4,662	17.0	240.4	15
16	NK Brand	NK1191	111	3111	4,374	17.0	225.5	17
17	NK Brand	NK1284	112	3220 EZ1	4,784	17.0	246.6	10
Plot Average:						17.0	251.3	



2018 Rainfall



Total Rainfall:
31.3"

Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	4	16	35		
	4	18	37		
	4	18	33		
	4	16	34		
	4	16	39		
	4	18	37		
	4	16	31		bad stalks
	4	18	28		
	4	18	36		
	4	16	37		
	4	14	37		
	4	18	36		
	4	18	33		
	4	18	28		
	4	14	38		
	4	16	38		
	4	14	33		





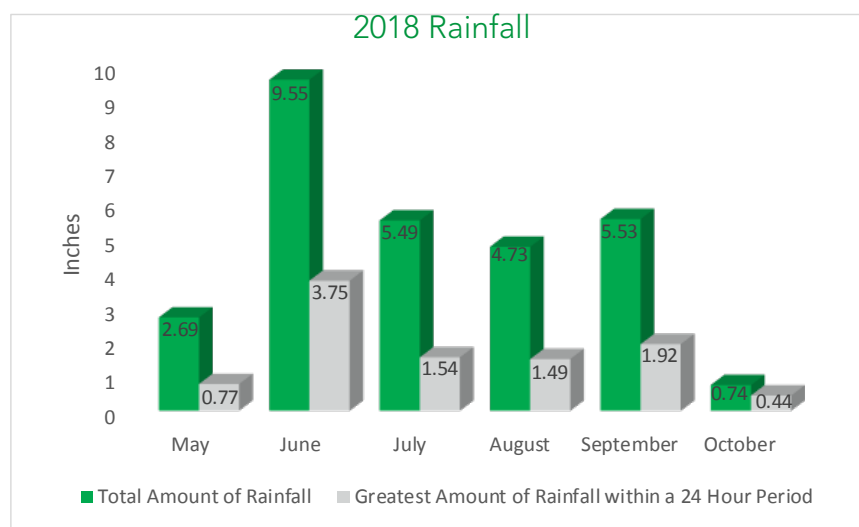
Darke
County

Planting Date: 5/25/18
Row Width: 30"

Planting Population: 31,000
Tillage: No-Till

Planting Depth: 1 1/2"
Harvest Date: 10/26/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	CROPLAN	4644	106	GENSS	4,185	14.1	55.4	206.8	3
2	CROPLAN	4791	107	AS3111	3,965	14.9	53.9	194.1	7
3	DEKALB	DKC57-97RIB	107	GENSS	3,635	14.4	54.3	179.0	12
4	CROPLAN	4895	108	GENSS	3,790	14.4	55.2	186.7	11
5	Becks	5840	108	AM	3,880	15.0	54.0	189.7	9
6	CROPLAN	4997	109	VT2P	3,905	15.1	54.2	190.7	8
7	DEKALB	DKC60-87RIB	110	GENSS	3,825	14.6	56	187.9	10
8	Becks	6225	112	HR	3,445	15.0	57.2	168.5	13
9	DEKALB	DKC62-20RIB	112	VT2P	4,370	15.0	55.6	213.7	1
10	DEKALB	DKC62-52RIB	112	GENSS	4,055	14.7	56.4	199.0	6
11	CROPLAN	5277	112	VT2P	3,415	14.5	55.2	168.0	14
12	CROPLAN	5335	113	VT2P	4,205	16.5	57.5	202.0	5
13	DEKALB	DKC63-60RIB	113	GENSS	4,275	16.3	58.2	205.9	4
14	DEKALB	DKC64-34RIB	114	GENSS	4,350	16.4	56.3	209.2	2
Plot Average:						15.1	55.7	193.0	



FAIRFIELD C-1



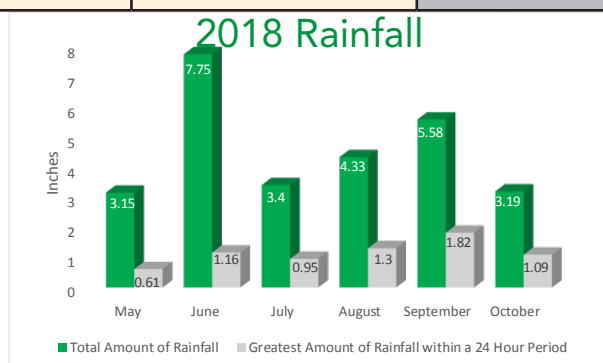
Fairfield
County

Planting Date: 5/11/18
Row Width: 30"

Planting Population: 33,000
Tillage: Conventional

Planting Depth: 2"
Harvest Date:

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	DEKALB	DKC57-97RIB	107	GENSS	2,249	16.1	193.0	17
2	Mycogen	MY06R36	106	RM RW-E	2,260	16.5	193.0	16
3	CROPLAN	18108A	108	GENSS	2,285	15.7	197.0	12
4	Pioneer	P0843	108	AM	2,412	16.9	205.0	8
5	DEKALB	DKC60-87RIB	110	GENSS	2,285	17.0	194.0	14
6	Mycogen	MY11C27	111	RA	2,216	16.6	189.0	18
7	Mycogen	MY11B25	111	RM PW	2,300	15.0	200.0	11
8	DEKALB	DKC62-20RIB	112	VT2P	2,263	16.2	194.0	15
9	Mycogen	MY12G35	112	RM PW	2,550	16.4	218.0	3
10	CROPLAN	5290	112	VT2P	2,707	17.3	229.0	1
11	Mycogen	MY12H25	112	RM PW	2,525	17.9	212.0	5
12	DEKALB	DKC62-52RIB	112	GENSS	2,591	16.6	221.0	2
13	Mycogen	MY13C17	113	RA	2,392	16.2	205.0	7
14	DEKALB	DKC63-60RIB	113	GENSS	2,477	17.5	209.0	6
15	CROPLAN	X18113A	113	VT2P	2,542	17.3	215.0	4
16	DEKALB	DKC64-34RIB	114	GENSS	2,441	19.9	200.0	10
17	Pioneer	P1442	114	AM	2,206	19.8	181.0	20
18	Mycogen	MY2C788	114	RA	2,438	19.0	202.0	9
19	Mycogen	MY2C799	113	RA	2,354	19.0	195.0	13
20	CROPLAN	X18117A	117	GENSS	2,292	21.5	184.0	19
Plot Average:						17.4	201.8	



Total Rainfall:
27.4"

FAYETTE C-1



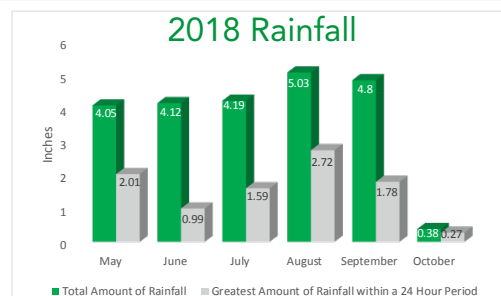
Planting Date: 5/9/18
Row Width: 30"

Planting Population: 34,000
Tillage: No-Till

Planting Depth: 1 3/4"
Harvest Date: 10/25/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	DEKALB	DKC55-84RIB	105	VT2P	12,120	14.3	249.0	11
2	DEKALB	DKC57-99RIB	107	VT2P	11,890	14.0	245.1	15
3	DEKALB	DKC60-88RIB	110	VT2P	12,280	14.8	250.8	10
4	Pioneer	P1197	111	AM	12,620	15.3	256.2	7
5	DEKALB	DKC62-20RIB	112	VT2P	12,540	14.7	256.4	6
6	DEKALB	DKC62-53RIB	112	VT2P	12,840	15.1	261.3	3
7	DEKALB	DKC63-60RIB	113	GENSS	12,475	15.9	251.5	8
8	DEKALB	DKC64-35RIB	114	VT2P	12,955	16.1	260.6	4
9	DEKALB	DKC64-87RIB	114	GENSS	12,910	15.5	261.5	2
10	Pioneer	P1443	114	AM	12,045	16.4	241.4	18
11	DEKALB	DKC65-95RIB	115	VT2PRIB	13,350	16.3	267.9	1
12	NK Brand	NK1354	113	3110	12,220	15.8	246.7	13
13	NK Brand	NK1284	112	3220 EZ1	11,770	14.9	240.1	19
14	NK Brand	NK1191	111	3111	11,910	15.2	242.1	17
15	NK Brand	NK962	109	3220A EZ1	10,540	14.4	216.3	22
16	CROPLAN	5290	112	DGVT2P	12,530	16.3	251.4	9
17	CROPLAN	5252	112	VT2P	10,955	15.4	222.2	21
18	CROPLAN	5277	112	VT2P	11,680	15.3	237.2	20
19	CROPLAN	X18111A	111	GENSS	12,887	16.1	259.2	5
20	CROPLAN	X18110A	110	VT2P	12,010	14.4	246.5	14
21	CROPLAN	X18108A	108	GENSS	12,200	14.9	248.9	12
22	CROPLAN	4895	108	GENSS	11,995	14.9	244.7	16
Plot Average:						15.3	248.0	

Total Rainfall:
22.57"



GREENE C-1

Soil Information:

O.M. %: 2.0 Soil pH: 6.2
Soil Type: Silty Loam

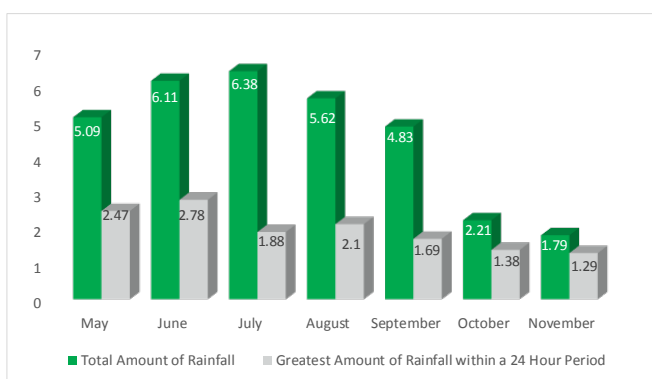


Planting Date: 5/10/18
Row Width: 30"

Planting Population: 32,000
Tillage: No-Till

Planting Depth: 1 3/4"
Harvest Date: 11/10/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	DEKALB	DKC57-97RIB	107	GENSS	6,062	16.4	57.9	220.7	12
2	CROPLAN	4895	108	GENSS	6,142	16.6	57.2	224.5	9
3	Becks	5829	108	AGV3111	5,792	17.0	55.5	209.4	15
4	DEKALB	DKC60-87RIB	110	GENSS	6,510	16.4	57.4	238.6	3
5	NK Brand	NK962	109	320A EZ1	6,218	17.0	56.3	224.6	8
6	CROPLAN	4997	109	VT2P	6,882	16.5	56.1	251.9	1
7	DEKALB	DKC62-20RIB	112	VT2P	6,172	16.3	56.4	224.8	7
8	NK Brand	NK1191	111	3311	5,452	17.3	56.3	197.6	16
9	DEKALB	DKC62-52RIB	112	GENSS	6,144	16.5	57.4	223.3	10
10	Becks	6368	113	VT2P	6,460	17.2	55.8	232.8	5
11	CROPLAN	5277	112	VT2P	5,960	16.8	57.2	217.4	14
12	CROPLAN	5335	113	VT2P	6,428	16.7	58.1	234.7	4
13	CROPLAN	X18113A	113	VT2P	6,098	17.0	59.0	220.3	13
14	NK Brand	NK1284	112	3220A EZ1	5,368	16.6	57.4	194.9	17
15	DEKALB	DKC63-60RIB	113	GENSS	6,086	16.6	59.0	220.9	11
16	DEKALB	DKC64-34RIB	114	GENSS	6,608	16.9	59.0	239.0	2
17	NK Brand	NK1354	113	3220A EZ1	6,326	16.9	56.9	228.8	6
Plot Average:					16.7	57.2	223.8		



Total Rainfall:
32.13"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	30,000	2	16	31	2	moderate GLS, some NCLB, stalks 12" ears 6"
	29,000	2	18	30	3	light GLS, some NCLB, pericarp-dif
	30,000	2	14	35	2	1" tip back, moderate NCLB
	32,000	2	16	32	2	ear placement 6", 10" plant, moderate NCLB, coming out of husk
	32,000	3	16	34	3	very flex ear, smaller kernels
	32,000	2	16	33	2	strong stalks, staying green, NCLB,-1, GLS-1
	31,000	2	18	29	2	GLS, NCLB, Diplodia, 1" tip back, loose husk, excellent stalk
	31,000	3	14	34	2	flex length, loose husk, ear out the end
	30,000	2	18	32	3	NCLB,-3, GLS-2, loose husk
	31,000	2	18	33	3	NCLB,-3, GLS-2, flex length & girth, 1" tip back
	29,000	2	16	35	2	pale yellow grain, 1" tip back, NCLB,-3, GLS-1
	30,000	2	18	31	2	NCLB,-2, GLS-2, flex length & girth
	31,000	3	18	33	2	no tip back, GLS-1 NCLB,-4, loose husk
	30,000	2	16	35	3	pale yellow grain, GLS-4, NCLB,-3
	32,000	2	16	34	2	GLS-2, NCLB,-3, ear 6 ft high
	32,000	2	18	31	3	GLS-2, NCLB,-2, ear flex length & girth
	33,000	2	16	33	2	NCLB,-4, GLS-2, stiff ear shank, stiff stalk





Greene
County

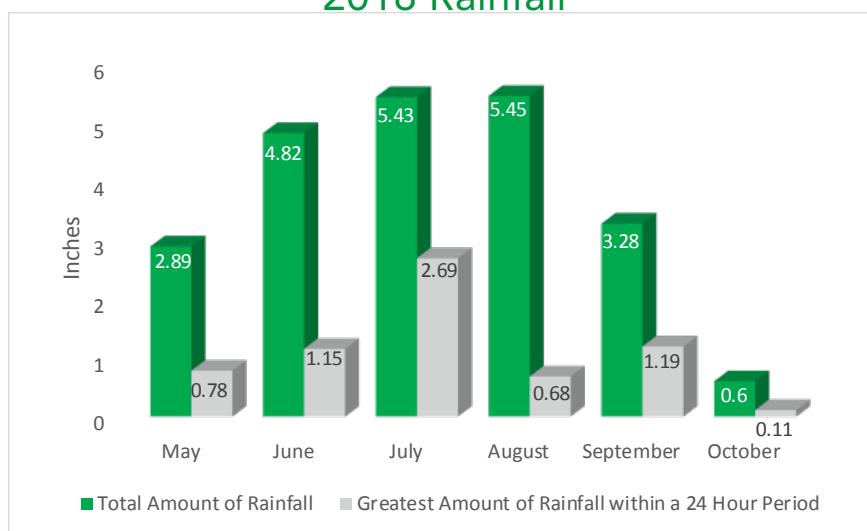
Planting Date: 5/8/18
Row Width: 20"

Planting Population: 38,500
Tillage: Conventional

Planting Depth: 1 ¼"
Harvest Date: 10/23/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	DEKALB	DKC57-97RIB	107	GENSS	2,860	15.7	53.5	252.2	6
2	CROPLAN	4895	108	GENSS	2,880	15.3	54.9	255.2	4
3	Pioneer	P0843	108	AM	2,780	15.8	55.2	244.9	11
4	CROPLAN	4997	109	VT2P	2,860	15.8	54.9	249.1	9
5	DEKALB	DKC62-20RIB	112	VT2P	2,900	14.6	57.3	255.6	3
6	DEKALB	DKC62-52RIB	112	GENSS	2,860	14.6	58.3	251.5	7
7	CROPLAN	5277	112	VT2P	2,580	14.9	58.0	226.1	14
8	CROPLAN	5335	113	VT2P	3,040	16.0	57.9	262.9	1
9	CROPLAN	X18113A	113	VT2P	2,920	15.4	59.1	253.8	5
10	DEKALB	DKC63-60RIB	113	GENSS	2,860	15.5	58.9	247.2	10
11	DEKALB	DKC64-34RIB	114	GENSS	2,960	15.3	59.8	256.4	2
12	Pioneer	P1442	114	AM	2,840	16.0	59.5	244.0	12
13	CROPLAN	5678	116	VT2P	2,820	16.0	59.5	242.3	13
14	DEKALB	DKC67-42RIB	117	GENSS	2,880	15.2	57.5	249.2	8
Plot Average:					15.4	57.5	249.3		

2018 Rainfall



Total Rainfall:
22.47"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	34,000	2	16	36	2	
	36,000	3	18	32	2	
	36,000	4	16	33	1	root lodging
	38,000	1	18	33	2	
	36,000	2	16	34	2	high ear palcement
	38,000	3	16	30	4	
	36,000	4	14	34	2	
	38,000	3	18	32	4	
	36,000	3	20	33	3	
	38,000	3	16	35	3	root lodging
	36,000	1	16	34	2	curved ear
	38,000	4	18	22	2	tip-back, diplodia
	34,000	5	16	33	4	bad root lodging
	36,000	3	18	28	2	root lodging



HOLMES C-1



Holmes
County

Planting Date: 5/21/18
Row Width: 30"

Planting Population: 34,000
Tillage: Conventional

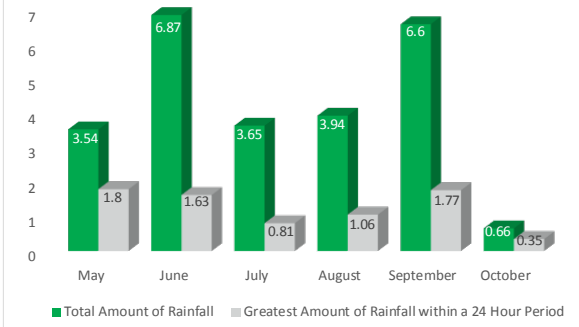
Planting Depth: 2"
Harvest Date: 10/5/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC 52-68RIB	102	VT2PRIB	9,120	25.6	244.9	5	
2	DEKALB	DKC 53-56RIB	103	GENSS	8,490	23.8	233.5	13	
3	DEKALB	DKC 54-38RIB	104	GENSS	8,815	25.9	235.8	11	
4	DEKALB	DKC 55-84RIB	105	GENSS	9,143	26.1	243.9	6	
5	Pioneer	P0506	105	AM	8,673	26.9	228.9	18	
6	DEKALB	DKC 57-97RIB	107	GENSS	8,550	26.3	227.5	20	
7	DEKALB	DKC 58-34RIB	108	GENSS	9,135	27.2	240.1	10	
8	DEKALB	DKC 60-87RIB	110	GENSS	8,660	28.2	224.5	21	
9	DEKALB	DKC 61-54RIB	111	GENSS	8,963	28.2	232.3	15	
10	Pioneer	P1197	111	AM	8,975	27.8	233.9	12	
11	DEKALB	DKC 62-20RIB	112	VT2PRIB	8,877	27.7	231.7	16	
12	DEKALB	DKC 62-52RIB	112	GENSS	8,940	27.9	232.7	14	
13	DEKALB	DKC 63-57RIB	113	VT2PRIB	10,065	33.1	243.1	8	
14	DEKALB	DKC 63-60RIB	113	GENSS	9,412	28.3	243.6	7	
15	Pioneer	P1442	114	AM	8,463	28.1	219.7	22	
16	DEKALB	DKC 64-87RIB	114	GENSS	9,250	28.1	240.1	9	
17	DEKALB	DKC 67-44RIB	117	VT2P	9,800	27.6	256.1	2	
18	CROPLAN	5252	112	VT2PRIB	8,675	27.1	228.3	19	
19	CROPLAN	5290	112	VT2PRIB	9,890	27.3	259.6	1	
20	CROPLAN	4997	109	VT2PRIB	9,460	25.9	253.1	3	
21	CROPLAN	4895	108	GENSS	9,345	25.9	250.0	4	
22	Mycogen	MY02J57	102	RA	7,525	24.4	205.4	25	
23	LG Seeds	5499	102		8,310	23.4	229.8	17	
24	LG Seeds	5507	103		7,430	23.9	204.1	26	
25	NK Brand	0440	104	3010	7,800	23.7	214.8	24	
26	LG Seeds	5525	105		7,912	24.4	215.9	23	
Plot Average:						26.6	233.6		



Sunrise
COOPERATIVE
Success grows here.

2018 Rainfall



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	31,000	2	22	34	1	huge girth
	34,000	2	16	34	2	discolored kernels
	31,000	2	16	36	2	longer ear shank
	35,000	2	16	34	1	high placement
	32,000	2	18	30	1	inconsistent ear height
	31,000	2	16	32	1	huge brace roots
	34,000	1	16	32	1	stay green excellent
	31,000	1	18	35	1	tops starting to blow out
	34,000	2	16	32	1	good grain qual & kernel depth
	34,000	1	16	36	1	stay green
	34,000	1	16	34	1	upright plant, high placement
	33,000	2	16	34	2	stay green
	31,000	1	16	35	2	good plant health, high placement, deep kernels
	30,000	1	16	38	1	NCLB
	29,000	2	16	34	1	tip back 1", good grain quality
	34,000	1	18	30	1	bamboo like stalks, shorter ear shank
	33,000	4	16	28	3	silage option? too long for us
	29,000	3	14	32	1	medium ear shank
	32,000	2	16	26	2	good quality
	34,000	2	18	28	1	ears dropping, good depth
	30,000	3	16	30	2	low ear placement, ugly grain
	28,000	4	18	30	2	girthy ear, lodging
	29,000	2	16	30	3	some give, ears falling off
	29,000	2	16	31	2	incosistent placement
	29,000	4	14	33	2	tops starting to blow out
	31,000	5	16	32	2	ok grain quality

HURON C-1



Huron
County

Planting Date: 5/28/18
Row Width: 30"

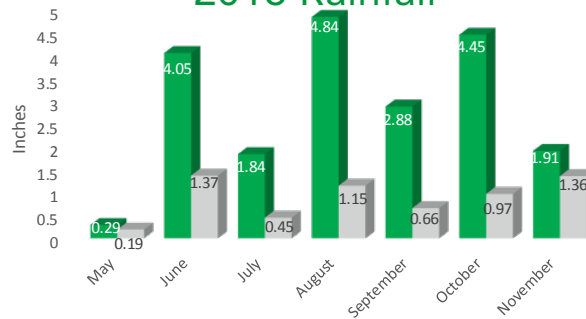
Planting Population: 35,000
Tillage: Conservation

Planting Depth: 2"
Harvest Date: 11/12/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC 47-55RIB	97	VT2PRIB	76,83	19.2	217.6	26	
2	DEKALB	DKC 49-73RIB	99	VT2PRIB	8,058	18.9	229.1	18	
3	DEKALB	DKC 50-08RIB	100	GENSS	8,137	19.5	229.8	16	
4	DEKALB	DKC 50-84RIB	100	VT2PRIB	7,671	19.2	217.5	27	
5	DEKALB	DKC 51-38RIB	101	GENSS	8,308	19.4	234.9	5	
6	DEKALB	DKC 52-68RIB	102	VT2PRIB	7,958	20.1	222.9	23	
7	Pioneer	P0157	101	AM	7,992	20.0	224.3	21	
8	DEKALB	DKC 53-56RIB	103	GENSS	8,024	19.7	225.9	19	
9	DEKALB	DKC 54-38RIB	104	GENSS	8,378	20.4	233.9	7	
10	DEKALB	DKC 55-53RIB	105	GENSS	8,293	19.6	233.8	8	
11	DEKALB	DKC 55-84RIB	105	GENSS	8,245	20.2	230.7	11	
12	Pioneer	P0506	105	AM	8,305	20.4	231.7	9	
13	DEKALB	DKC 57-97RIB	107	GENSS	8,318	21.0	230.6	14	
14	DEKALB	DKC 60-87RIB	110	GENSS	8,455	22.2	230.6	13	
15	DEKALB	DKC 61-54RIB	111	GENSS	8,635	23.6	231.4	10	
16	Pioneer	P0825	108	AM	8,445	20.8	234.4	6	
17	DEKALB	DKC 62-20RIB	112	VT2PRIB	8,790	21.3	242.5	1	
18	DEKALB	DKC 62-52RIB	112	GENSS	8,305	21.2	229.5	17	
19	DEKALB	DKC 64-87RIB	114	GENSS	8,912	22.8	241.3	2	
20	NK Brand	NK1191	111	3111	7,495	23.0	202.4	29	
21	NK Brand	NK0962	109	3220A-EZ1	8,327	21.1	230.3	15	
22	NK Brand	NK0624	106	3220A-EZ1	8,072	20.8	224.2	22	
23	NK Brand	NK0330	103	3120 EZ1	7,280	19.4	205.7	28	
24	CROPLAN	5335	113	VT2PRIB	8,820	22.6	239.5	4	
25	CROPLAN	5252	112	VT2PRIB	8,105	22.5	220.4	24	
26	CROPLAN	6110	110	VT2PRIB	8,030	22.0	219.8	25	
27	CROPLAN	4997	109	VT2PRIB	8,270	20.5	230.6	12	
28	CROPLAN	4791	107	AS3111	8,033	20.3	224.6	20	
29	CROPLAN	4549	105	GENSS	7,020	17.9	202.2	30	
30	CROPLAN	4020	100	VT2PRIB	8,595	20.5	239.7	3	
Plot Average:						20.7	227.1		



2018 Rainfall



Sunrise
COOPERATIVE
Success grows here.

Total Rainfall:
20.27"

■ Total Amount of Rainfall ■ Greatest Amount of Rainfall within a 24 Hour Period

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	32,000	3	16	35	3	GLS, some ear mold
	31,000	3	16	33	3	GLS, NCLB
	38,000	1	16	32	3	GLS, NCLB, some ear mold
	34,000	1	18	30	2	GLS, NCLB, some ear mold
	35,000	2	20	21	3	GLS, NCLB, some ear mold
	38,000	1	16	40	4	consistent ear size, GLS, NCLB, bad ear mold, some sprouting
	41,000	2	16	33	4	GLS, NCLB
	40,000	1	16	36	3	GLS, NCLB
	36,000	2	16	32	3	stalk smut, GLS, NCLB
	41,000	2	16	36	5	GLS, NCLB, light ear mold
	40,000	3	16	32	3	GLS, NCLB
	35,000	2	16	31	1	GLS, NCLB
	34,000	2	18	38	3	GLS, NCLB, ear mold
	38,000	2	16	34	3	light ear mold, sprouting, GLS, NCLB
	41,000	1	14	32	5	ear mold, NCLB, GLS
	35,000	2	16	30	3	high ear placement, NCLB, GLS
	39,000	4	20	35	4	GLS, NCLB
	37,000	4	16	37	4	some ear mold, GLS, NCLB
	37,000	2	16	35	3	NCLB, GLS
	28,000	4	18	35	4	NCLB, GL
	33,000	4	16	42	3	NCLB, GLS
	33,000	5	18	28	4	constant ear size, GLS, NCLB
	36,000	3	16	33	4	ear mold, NCLB, GLS, some sprouting
	30,000	2	16	40	3	NCLB, GLS
	37,000	2	14	35	3	ear mold, NCLB, GLS
	38,000	2	16	34	4	NCLB, GLS
	37,000	2	14	34	4	NCLB, GLS
	37,000	5	12	36	5	ear mold, NCLB, GLS
	38,000	3	18	34	4	NCLB, GLS
	36,000	4	16	30	4	ear mold, NCLB, GLS

HURON C-2



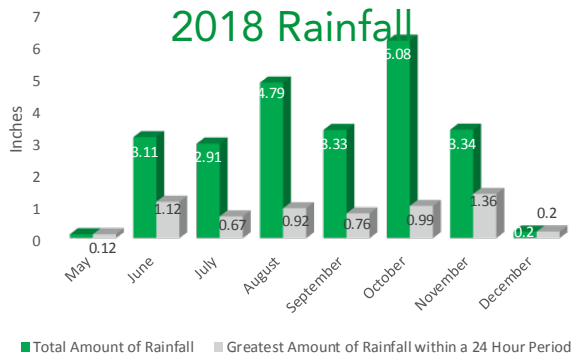
Huron
County

Planting Date: 5/31/18
Row Width: 30"

Planting Population: 36,000
Tillage: No-Till

Planting Depth: 2"
Harvest Date: 12/11/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC 50-08RIB	100	GENSS	2,974	19.7	183.2	20	
2	DEKALB	DKC 50-84RIB	100	VT2PRIB	3,013	19.2	186.8	18	
3	DEKALB	DKC 51-38RIB	101	GENSS	3,202	19.5	197.7	8	
4	Becks	5113	101	AM	3,190	19.8	196.3	11	
5	DEKALB	DKC 53-56RIB	103	GENSS	3,301	19.6	203.6	5	
6	DEKALB	DKC 52-68RIB	102	VT2PRIB	2,925	20.6	178.2	22	
7	DEKALB	DKC 54-38RIB	104	GENSS	3,203	20.3	195.8	12	
8	DEKALB	DKC 55-53RIB	105	GENSS	3,465	20.9	210.3	3	
9	DEKALB	DKC 55-84RIB	105	GENSS	3,472	21	210.4	2	
10	Becks	5140	105	HR	2,957	21.3	178.5	21	
11	DEKALB	DKC 57-97RIB	107	GENSS	3,020	20.3	184.6	19	
12	DEKALB	DKC 60-87RIB	110	GENSS	3,420	22.8	202.5	6	
13	Becks	5829A4	108		3,367	23.1	198.6	7	
14	DEKALB	DKC 61-54RIB	111	GENSS	3,336	22.9	197.3	9	
15	DEKALB	DKC 62-20RIB	112	VT2PRIB	3,598	23.6	210.9	1	
16	DEKALB	DKC 62-52RIB	112	GENSS	3,360	24.6	194.3	14	
17	DEKALB	DKC 64-34RIB	114	GENSS	3,407	25.8	193.9	16	
18	DEKALB	DKC 64-87RIB	114	GENSS	3,362	23.8	196.5	10	
19	CROPLAN	5252	112	VT2PRIB	3,000	27.2	167.5	23	
20	CROPLAN	5073	110	SSRIB	3,376	24.5	195.5	13	
21	CROPLAN	4791	107	AG3111	3,307	23.4	194.3	15	
22	CROPLAN	4549	105	SSRIB	3,375	21.3	203.8	4	
23	CROPLAN	4488	104	SSRIB	3,115	20.2	190.7	17	
24	CROPLAN	4079	100	SSRIB	2,534	18.9	157.6	24	
				Plot Average:		21.8	192.9		



Total Rainfall:
20.77"



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	28,000	4	16	34	2	heavy GLS in top canopy
	35,500	2	16	29	2	raracoon damage in plot, moderate GLS in top canopy
	33,5000	2	18	29	2	short stocky ears, staying green, heavy GLS top, mid canopy
	28,000	2	16	35	4	light GLS in upper canopy, some earn worm, tall plant, 1/2" tip back
	36,000	4	22	27	2	light GLS, staying green, ear coming out of end of husks, earn worm feeding
	34,000	2	16	32	2	light GLS, 1/2" tip back, random stalk rot
	34,000	4	16	32	2	light GLS in upper canopy
	35,000	2	14	30	3	staying green, very leafy, light GLS, 1/2" tip back, healthy looking
	35,000	4	16	33	4	1" tip back, dense canopy, healthy tops
	28,500	3	18	31	3	mold at end of ears tips, healthy plant, minimal GLS
	29,000	2	16	31	2	light GLS, little bit of NCLB, good quality grain, shoulder high ear placement, 1" tip back
	34,500	2	18	30	4	1/2" tip back, light GLS, ear mold, dense upper canopy
	31,000	2	14	35	2	1" tip back, tall plant, dense mid, upper canopy, light GLS
	35,000	3	16	32	2	light ear disease, light GLS, strong stand, 1/2" tip back
	37,000	2	16	30	2	consistent ear size, 1/2" tip back, light GLS, head high ear placement, tall plant
	34,000	2	16	32	2	consistent ear size, 1/2" tip back, clean upper canopy
	30,500	2	18	29	2	1/2" tip back, very clean upper canopy
	35,500	2	16	31	2	consistent ear size, low disease, light GLS mid canopy, 1" tip back
	30,000	2	14	30	2	light GLS, leafy, medium ear placement, several small abnormal ears, 1/2" tip back
	33,500	2	18	34	2	shoulder high ear placement, light GLS, dense canopy, consistent ear size
	36,000	2	16	35	2	1" tip back, inconsistent ear height, light GLS, dense upper canopy
	33,500	2	18	27	2	good grain quality, 3/4" tip back, leafy, dense, light GLS, medium ear placement
	33,500	2	16	32	2	very little tip back, medium GLS, medium ear placement, upright leaf, good grain quality
	35,000	5	14	30	5	upright leaf, light GLS, 1/2" tip back

HURON C-3

Soil Information:

O.M. %: 1.5 Soil pH: 6.4
Soil Type: Sandy Clay Loam



Huron
County

Planting Date: 5/8/18
Row Width: 30"

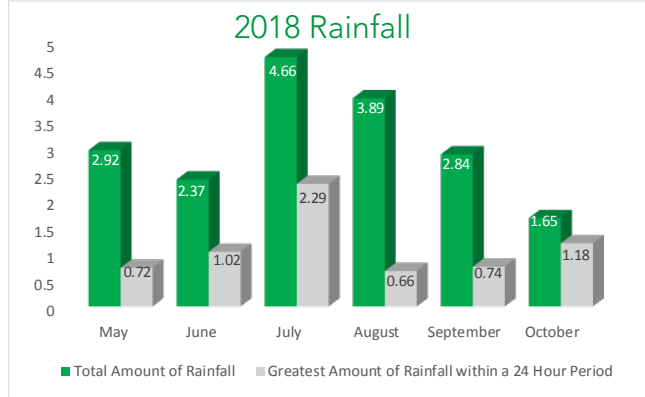
Planting Population: 33,400
Tillage: Conservation

Planting Depth: 1 1/2"
Harvest Date: 10/14/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank	
1	CROPLAN	4079	100	GENSS	6,615	18.0	58.0	231.5	19	
2	CROPLAN	4199	101	VT2P	6,625	17.1	58.4	234.4	17	
3	NK Brand	NK9505	95	3110	6,330	20.1	54.5	215.8	20	
4	DEKALB	DKC52-68RIB	102	VT2P	6,915	19.2	55.4	238.4	16	
5	Pioneer	P0306	103	AM	7,075	18.9	56.0	244.9	13	
6	DEKALB	DKC54-38RIB	104	GENSS	6,643	18.0	56.6	232.5	18	
7	NK Brand	NK0440	104	3010	7,456	18.5	56.0	259.3	5	
8	CROPLAN	4549	105	VT2P	7,414	19.4	56.0	255.0	9	
9	DEKALB	DKC55-85RIB	105	VT2P	7,523	18.6	55.4	261.3	3	
10	NK Brand	NK0624	106	3220 EZ1	7,374	19.0	55.6	254.9	10	
11	DEKALB	DKC57-99RIB	107	VT2P	7,635	18.1	56.1	266.9	1	
12	Pioneer	P0843	108	AM	7,442	19.4	57.0	256.0	7	
13	Becks	5829	108	HR	7,042	19.3	56.0	242.5	14	
14	CROPLAN	4997	109	VT2P	7,524	20.4	56.5	255.6	8	
15	DEKALB	DKC62-20RIB	112	VT2P	7,680	20.4	56.6	260.9	4	
16	CROPLAN	6110	111	VT2P	7,458	21.8	55.8	248.9	11	
17	DEKALB	DKC62-53RIB	112	VT2P	7,564	20.0	56.4	258.2	6	
18	CROPLAN	5277	112	AS3220	7,152	20.7	56.2	242.0	15	
19	DEKALB	DKC63-60RIB	113	GENSS	7,402	21.7	56.6	247.3	12	
20	DEKALB	DKC64-34RIB	114	GENSS	7,898	21.2	56.4	265.6	2	
Plot Average:					19.5	56.3	248.6			

Additional Comments:
Field was strip tilled last fall.

Total Rainfall:
18.31"



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	28,000	4	14	25	3	ears dropped, some GLS & NCLB
	28,500	4	16	27	3	low ear placement
	27,500	4	14	25	4	high GLS & NCLB
	29,000	2	16	25	3	
	29,500	3	16	26	3	1" tip back
	29,000	2	16	25	3	high ear placement
	31,500	2	18	28	2	
	30,000	3	16	29	2	moderate disease
	29,500	1	18	27	2	
	29,500	2	16	28	2	
	33,000	1	18	28	1	low disease
	31,000	2	18	26	1	
	30,500	3	16	25	3	medium ear placement
	31,000	1	16	26	3	
	30,500	1	18	26	1	
	29,500	2	16	26	2	1/2" tip back, moderate disease
	30,000	1	16	27	1	
	27,500	2	14	25	2	
	28,500	2	14	27	2	medium ear placement
	32,000	1	18	27	1	low disease pressure

LICKING C-1



Licking
County

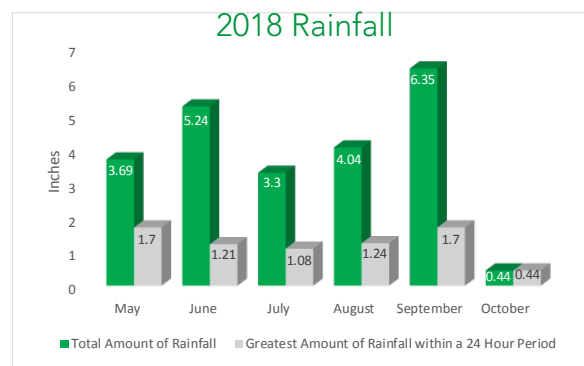
Planting Date: 5/3/18
Row Width: 30"

Planting Population: 36,000
Tillage: Conservation

Planting Depth: 1 3/4"
Harvest Date: 10/3/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank		
1	DEKALB	DKC55-84RIB	105	GENSS	8,465	19.3	223.6	15		
2	DEKALB	DKC57-97RIB	107	GENSS	8,610	19.9	225.7	11		
3	DEKALB	DKC60-88RIB	110	VT2P	8,523	20.7	221.2	16		
4	Pioneer	P1197	111	AM	8,840	20.8	229.2	7		
5	DEKALB	DKC62-20RIB	112	VT2P	8,650	20.3	225.6	12		
6	DEKALB	DKC62-52RIB	112	GENSS	8,907	21.1	230.0	5		
7	DEKALB	DKC63-60RIB	113	GENSS	8,977	22.0	229.2	6		
8	DEKALB	DKC64-35RIB	114	VT2P	9,068	21.6	232.7	4		
9	DEKALB	DKC64-87RIB	114	GENSS	8,777	22.0	224.1	14		
10	Pioneer	P1443	114	AM	8,635	21.8	221.0	17		
11	DEKALB	DKC65-95RIB	115	VT2P	9,352	22.5	237.2	2		
12	DEKALB	DKC67-42RIB	117	GENSS	8,675	23.0	218.6	18		
13	CROPLAN	5789	117	VT2P	8,860	22.4	225.0	13		
14	CROPLAN	X18117A	117	GENSS	9,060	23.3	227.4	8		
15	CROPLAN	5570	115	VT2P	9,515	22.3	242.0	1		
16	CROPLAN	5335	113	VT2P	9,075	21.3	233.8	3		
17	CROPLAN	5277	112	VT2P	8,130	20.3	212.1	19		
18	CROPLAN	X18111A	111	GENSS	8,635	20.0	226.1	10		
19	CROPLAN	4895	108	GENSS	8,665	20.2	226.3	9		
			Plot Average:			21.3	226.9			

Total Rainfall:
23.06"



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	31,000	4	18	30	2	open husk, discolored kernels, tops blown out
	34,000	2	18	28	1	tip back 1", upright erect ear
	34,000	3	18	30	1	good grain qual, up,down ear height, smaller stalk diameter
	32,000	2	16	38	1	good plant health, upright leaves
	35,000	3	18	35	1	high ear, open husk, late NCLB
	33,000	2	20	30	2	GLS, clean grain qual, heavy vegetative growth
	35,000	1	16	32	1	excellent grain quality upright leaf structure, bamboo like stalks
	34,000	1	16	35	1	good plant health, consistent ear height
	35,000	2	18	32	2	taller plant, open husk, ok plant health
	33,000	2	16	30	2	NCLB, GLS, heavy ear
	34,000	2	18	32	3	plant health good, green stalk, good grain quality
	36,000	2	18	30	2	disease hit hard, tip back, really deep kernel depth
	35,000	2	16	28	2	BIG kernel, good quality
	33,000	2	16	30	2	fat girth, dense vegetative canopy
	34,000	2	18	32	1	upright ear, pale kernel color
	34,000	3	18	28	2	ears dropping, matured
	32,000	3	18	36	2	white cob, long ear, long flex, brace roots giving
	34,000	3	16	32	1	open husk
	32,000	2	16	32	1	fixed ear, pale kernel color



OTTAWA C-1

Soil Information:

O.M. %: 2.5 Soil pH: 6.7
 Soil Type: Clay



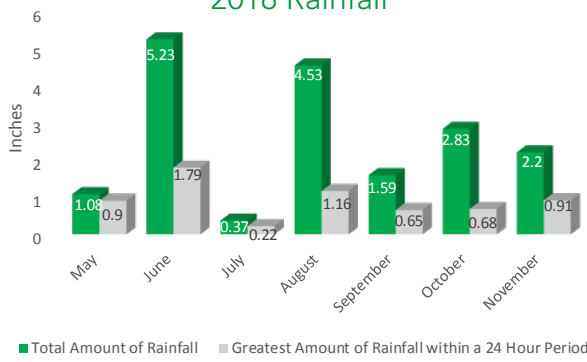
Planting Date: 5/25/18
 Row Width: 20"

Planting Population: 39,500
 Tillage: Conservation

Planting Depth: 2"
 Harvest Date: 11/24/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC 47-55RIB	97	VT2PRIB	4,932	17.6	181.1	21	
2	DEKALB	DKC 49-73RIB	99	VT2PRIB	5,287	17.2	195.1	11	
3	DEKALB	DKC 50-09RIB	100	VT2PRIB	5,292	17.4	194.8	12	
4	DEKALB	DKC 50-84RIB	100	VT2PRIB	5,070	17.0	187.5	18	
5	Becks	51113	101	AM	5,717	17.2	210.9	2	
6	DEKALB	DKC 51-38RIB	101	GENSS	4,930	17.2	181.9	20	
7	DEKALB	DKC 52-68RIB	102	VT2PRIB	3,075	18.5	111.7	24	
8	DEKALB	DKC 53-58RIB	103	VT2PRIB	5,108	17.6	187.5	16	
9	DEKALB	DKC 54-38RIB	104	GENSS	5,412	17.8	198.2	9	
10	Becks	5140	105	HR	5,490	18.1	200.3	7	
11	DEKALB	DKC 55-85RIB	105	VT2PRIB	5,773	17.3	212.7	1	
12	DEKALB	DKC 57-99RIB	107	VT2PRIB	4,672	17.0	172.8	22	
13	DEKALB	DKC 60-88RIB	110	VT2PRIB	5,744	18.8	207.8	4	
14	DEKALB	DKC 61-55RIB	111	VT2PRIB	5,748	19.4	206.4	5	
15	Becks	6082	110	AM	5,417	17.2	199.8	8	
16	DEKALB	DKC 62-20RIB	112	VT2PRIB	5,163	18.2	188.2	15	
17	DEKALB	DKC 62-53RIB	112	VT2PRIB	5,639	18.4	205.0	6	
18	CROPLAN	4997	109	VT2PRIB	5,823	18.8	210.7	3	
19	CROPLAN	4895	108	SS	5,215	19.3	187.5	17	
20	CROPLAN	4791	107	AS3111	5,018	17.8	183.8	19	
21	CROPLAN	4644	106	DGVT2PRIB	5,275	16.7	195.8	10	
22	CROPLAN	4549	105	VT2PRIB	5,228	18.2	190.5	13	
23	CROPLAN	4488	104	SS	5,135	17.1	189.7	14	
24	CROPLAN	X17102A	102		4,668	17.0	172.6	23	
Plot Average:						17.8	190.5		

2018 Rainfall



Total Rainfall:
17.83"

Sunrise
COOPERATIVE
Success grows here.



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	37,000	2	18	24	4	short stature, upright leave, good husk cover, bullet shaped ear,
	36,000	2	14	24	2	short stature, lots of staygreen, wide leaves, tight husk, low GLS, lots fatter
	37,000	2	14	24	2	more GLS and NCLB, short, green uprights leaves, good pollination
	37,000	2	16	26	2	pale yellow color, taller, good GLS and NCLB, drier husk, loose 1/2" tip
	35,000	2	14	32	2	wide droopy leaves, very good GLS and NCLB, 3/4" tip, long slender ears
	35,000	2	16	24	2	tiny ears, looks bad, not consistent, blocky ears
	28,000	2	14	24	4	very short husk cover, barren stalks, red above ears, looks terrible
	28,000	2	16	28	2	healthy leaves, upright leave, poor population, very consistent ears
	35,000	2	18	28	2	lots of fatter, short husk cover, consistent ears, 3/4" tip
	32,000	2	14	32	2	average husk cover, very healthy 3/4" tip
	32,500	2	18	34	2	pale yellow, more fired on bottom leave, consistent blocky ear
	36,000	3	14	30	2	fired to one leaf below ear leaf, good husk cover, consistnet ears
	38,500	2	16	30	2	lots more fatter, consistent plants and ears, good husk cover, 1/2" tip back
	40,000	3	14	28	2	pale yellow, more tip back, good husk cover, healthy leaves
	36,000	2	14	36	4	long husk cover, very healthy, looks very good
	34,000	2	16	28	2	short blocky ears, healthy upright leaves, holds tight to stalk
	33,500	2	16	34	2	lots fatter, lower ear placement, very consistent ears, tight upright ears
	38,000	2	18	30	2	pale green, taller, high ear placement, very consistent good husk cover
	32,500	2	14	34	2	healthy dark green, shorter stature, and ear placement
	33,500	1	16	36	2	lots of fatter, wide healthy leaves, lower TW grain, 1" tip back
	35,500	4	16	32		pale green drier ear, good husk cover, consistant ears
	32,500	2	14	32	2	healthy dark green leaves, lower pops
	37,500	4	18	24	2	long husk cover, burnt up, very short consistent ears
	32,000	1	16	34	2	short plant, green and healthy leaves good husk cover, longer ear

RICHLAND C-1



Richland
County

Planting Date: 5/8/18
Row Width: 15"

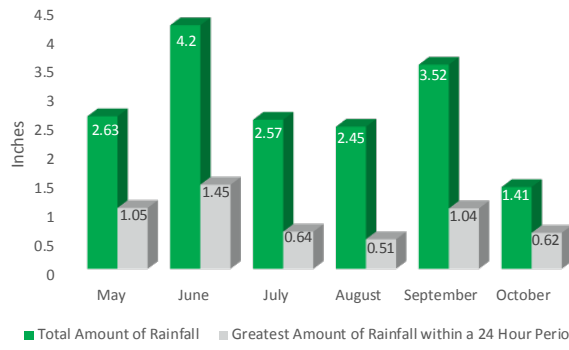
Planting Population: 38,000
Tillage: Conventional

Planting Depth: 1 1/2"
Harvest Date: 10/8/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank	
1	DEKALB	DKC 53-56RIB	103	GENSS	9,355	17.7	219.8	12	
2	DEKALB	DKC 54-38RIB	104	GENSS	9,600	18.2	224.1	8	
3	DEKALB	DKC 54-74RIB	104	VT2P	9,670	17.8	226.9	5	
4	DEKALB	DKC 55-84RIB	105	GENSS	9,707	18.0	227.2	4	
5	Pioneer	P0574	105	AM	9,560	18.2	223.2	10	
6	DEKALB	DKC 57-97RIB	107	GENSS	10,135	18.7	235.2	1	
7	DEKALB	DKC 60-87RIB	110	GENSS	10,105	20.6	229.0	3	
8	DEKALB	DKC 61-54RIB	111	GENSS	9,815	20.5	222.7	11	
9	Pioneer	P0825	108	AM	9,660	18.6	224.4	7	
10	DEKALB	DKC 62-20RIB	112	VT2P	9,665	19.0	223.5	9	
11	DEKALB	DKC 62-52RIB	112	GENSS	8,865	19.4	204.0	15	
12	DEKALB	DKC 63-60RIB	113	GENSS	9,143	20.3	208.0	14	
13	Pioneer	P1442	114	AM	7,947	20.6	180.1	18	
14	DEKALB	DKC 64-34RIB	114	GENSS	8,902	21.1	200.5	16	
15	DEKALB	DKC 64-87RIB	114	GENSS	10,030	20.8	226.7	6	
16	CROPLAN	4549	105	VT2PRIB	9,830	17.2	232.3	2	
17	CROPLAN	5073	110	GENSS	9,055	18.8	209.9	13	
18	CROPLAN	5335	113	VT2PRIB	8,745	20.5	198.4	17	
				Plot Average:		19.2	217.6		

Total Rainfall:
16.78"

2018 Rainfall



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	42,000	3	16	28		average stalk
	42,000	3	16	24		mostly intact, tops weak
	41,000	3	16	27		tops broken
	40,000	3	14	30		some seed coat discolor, not mold
	40,000	4	14	28		showing some Diplodia, GLS
	37,000	2	16	26		some GLS
	38,000	3	16	29		tall, showy plant, GLS
	39,000	3	18	27		some GLS, overall nice looking plant
	40,000	3	16	28		GLS, poor looking, light colored grain
	39,000	3	16	28.		tops breaking out
	39,000	3	16	30		much faster die-off than 63-60 beside it
	40,000	3	16	27		good looking corn, does show some NCLB
	40,000	3	16	24		tall, showy plant, nice appearance, showing some N stress
	37,000	2	14	27		good stalks, average appearance
	40,000	1	16	27		great stalks and harvest appearance
	38,000	3	18	26		showing some Giberella, discolored kernels
	40,000	2	16	28		nice harvest appearance
	40,000	4	16	23		showing some Giberella



SANDUSKY C-1

Soil Information:

O.M. %: 2.6 Soil pH: 6.9
 Soil Type: Sandy Clay Loam



Sandusky
County

Planting Date: 5/2/18
 Row Width: 30"

Planting Population: 34,500
 Tillage: No-Till

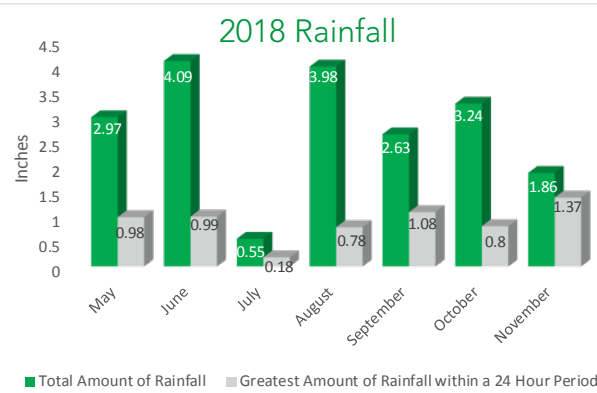
Planting Depth: 2 ¼"
 Harvest Date: 11/13/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	DEKALB	DKC49-73RIB	99	VT2P	3,732	17.4	187.3	38
2	DEKALB	DKC50-09RIB	100	VT2P	4,215	17.1	212.3	35
3	DEKALB	DKC50-84RIB	100	VT2P	4,138	16.8	209.2	37
4	DEKALB	DKC51-38RIB	101	GENSS	4,413	17.3	221.8	31
5	DEKALB	DKC52-68RIB	102	VT2P	4,333	17.8	216.4	33
6	DEKALB	DKC53-58RIB	103	VT2P	4,545	17.5	227.8	28
7	DEKALB	DKC54-38RIB	104	GENSS	4,187	17.4	210.1	36
8	DEKALB	DKC55-85RIB	105	VT2P	5,007	17.0	252.5	14
9	DEKALB	DKC57-99RIB	107	VT2P	4,828	16.9	243.8	20
10	DEKALB	DKC60-88RIB	110	VT2P	5,172	18.0	257.7	9
11	DEKALB	DKC61-55RIB	111	DGVT2P	4,825	18.0	240.4	24
12	DEKALB	DKC62-20RIB	112	VT2P	4,660	17.1	234.7	27
13	DEKALB	DKC62-53RIB	112	VT2P	5,283	18.2	262.6	6
14	DEKALB	DKC63-60RIB	113	GENSS	4,928	18.9	242.8	23
15	DEKALB	DKC64-35RIB	114	VT2P	5,553	19.0	273.3	3
16	DEKALB	DKC64-89RIB	114	VT2P	4,795	18.5	237.5	26
17	Pioneer	P1464	114	AM	5,597	18.9	275.8	2
18	Pioneer	P1442	114	AM	4,378	19.4	214.4	34
19	Pioneer	P1298	112	AM	4,925	18.0	245.4	18
20	Pioneer	P1983	119	AM	5,265	19.0	259.1	8

Additional Comments:

- Entry 7 had no mold damage
- Entries 12, 16, 24 and 31 experienced bad mold damage

Total Rainfall:
19.32"



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	30,000	1	16	24	1	GLS, bad ear mold, bird damage, kernel sprout, Giberella
	33,000	1	16	35	2	GLS, ear mold, Giberella, bird damage , NCLB
	33,000	2	14	34	3	tip out, GLS, inconsistent ear height , ear mold
	31,000	1	16	30	3	bird damage, GLS, tip out
	36,000	3	20	21	2	bird damage, ear mold, kernel sprout, GLS, poor population
	38,000	1	20	29	4	GLS, bird damage, no tip back
	30,000	2	14	33	3	bad bird damage, tip out, GLS, kernel sprout,Giberella
	35,000	1	18	32	4	bird damage, GLS, tip out, no tip back, loose husk, kernel sprout
	32,000	1	16	31	2	bird damage, high ear placement, ear mold, GLS, Giberella
	33,000	2	18	25	2	ear mold, good plant health , no Bird damage , no tip out, some GLS
	34,000	1	16	30	2	no tip back, high ear placement, ear mold, kernel sprout, GLS
	30,000	3	18	28	3	kernel sprout, high ear placement, bird damage tip out
	35,000	1	16	32	1	good stalk health , ear mold, kernel sprout, bird damage, big kernels
	34,000	2	16	29	2	GLS, bird damage, ear mold, some kernel sprout
	32,000	2	16	33	3	GLS, ear mold, loose husk
	34,000	2	18	37	2	GLS, no tip back tip out, some bird damage
	33,000	2	16	34	2	very high ear placement, bird damage, GLS, no tip back
	32,000	2	16	32	2	tip back, ear mold, GLS, kernel sprout, bird damage
	35,000	3	16	33	1	ear mold, GLS, some bird damage
	33,000	2	16	35	4	GLS, no tip back

SANDUSKY C-1 CONT'D

Soil Information:

O.M. %: 2.6 Soil pH: 6.9
Soil Type: Sandy Clay Loam



Sandusky
County

Planting Date: 5/2/18
Row Width: 30"

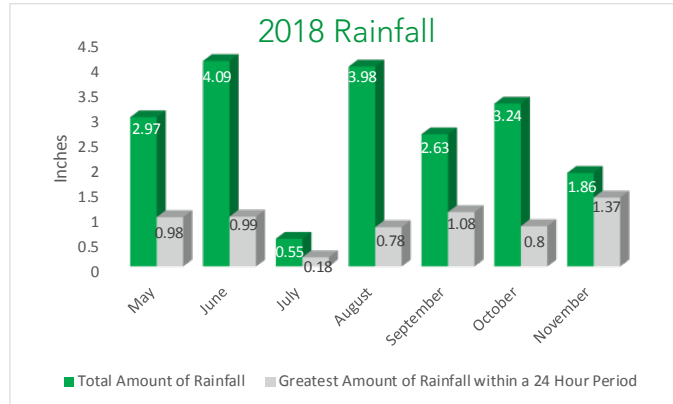
Planting Population: 34,500
Tillage: No-Till

Planting Depth: 2 ¼"
Harvest Date: 11/13/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
21	Pioneer	P1197	111	AM	5,938	18.3	294.8	1
22	Pioneer	P0977	109	AM	5,002	18.3	248.3	17
23	Pioneer	P0843	108	AM	5,122	17.7	256.1	11
24	Pioneer	P0825	108	AM	5,072	17.7	253.6	12
25	Pioneer	P0688	106	AM	5,042	17.7	252.1	15
26	Pioneer	P0574	105	AM	4,865	17.5	243.9	19
27	Pioneer	P0506	105	AM	4,960	17.1	249.8	16
28	Pioneer	P0414	104	AM	4,450	17.1	224.2	29
29	Pioneer	P0306	103	AM	4,833	17.2	243.2	22
30	CROPLAN	4079	100	GENSS	4,290	16.4	217.9	32
31	CROPLAN	4549	105	VT2P	4,398	16.6	222.9	30
32	CROPLAN	4791	107	AS3111	4,785	17.5	239.9	25
33	CROPLAN	4895	108	GENSS	4,910	18.4	243.4	21
34	CROPLAN	4997	109	VT2P	5,060	17.6	253.3	13
35	CROPLAN	5290	112	DGVT2P	5,392	19	265.4	4
36	CROPLAN	5335	113	VT2P	5,287	18.7	261.2	7
37	CROPLAN	5370	113	VT2P	5,328	18.3	264.5	5
38	Mycogen	MYO9V45 RA	109	GENSS	5,206	18.8	256.9	10
Plot Average:						17.8	242.5	



Total Rainfall:
19.32"



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	34,000	1	16	33	1	good stay green , high ear placement, ear mold, GLS
	31,000	3	18	35	5	bird damage, GLS, long ears
	33,000	2	14	30	1	some bird damage, GLS
	34,000	1	16	36	2	bird damage, loose husk, ear mold, GLS
	35,000	1	16	36	3	GLS, bird damage, Giberella, ear mold
	34,000	2	14	34	2	GLS, NCLB, bird damage, inconsistent ear size, poor pollination
	35,000	3	16	32	3	GLS, bird damage, ear mold, kernel sprout
	34,000	3	18	30	3	bird damage, GLS, ear mold, kernel sprout
	30,000	1	16	35	3	bird damage, GLS, ear mold, Giberella
	32,000	1	14	34	3	bird damage, GLS, loose husk, dry stalks
	31,000	3	16	34	2	bird damage, bad ear mold, GLS
	34,000	1	16	31	3	GLS, bird damage
	34,000	2	18	35	4	GLS, bird damage, no tip back, loose husk, NCLB
	36,000	2	18	34	3	GLS, ear mold, bird damage, high ear placement, consistent ear
	29,000	3	18	34	3	very little bird damage, no tip back, ear mold, GLS
	35,000	3	20	24	3	little GLS, little ear mold, NCLB
	32,000	2	16	27	2	GLS, NCLB, some bird damage, tip out, some ear mold, poor pollination
	30,000	3	18	32	5	GLS, bird damage, no tip back, little ear mold

Additional Comments:

- Entry 7 had no mold damage
- Entries 12, 16, 24 and 31 experienced bad mold damage

SANDUSKY C-2



Sandusky
County

Planting Date: 5/11/18

Planting Population: 34,500

Planting Depth: 1 ¾"

Row Width: 30"

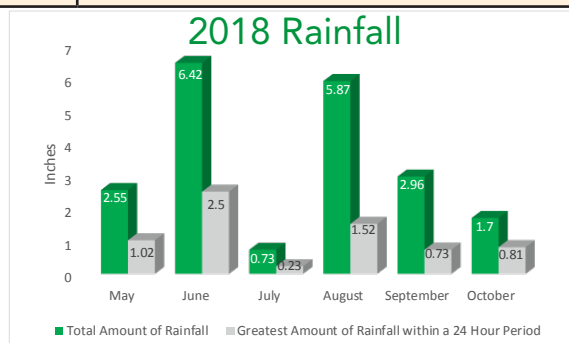
Tillage: No-Till

Harvest Date: 10/26/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	CROPLAN	4079	100	VT2P	4,714	16.5	57.0	197.2	15
2	CROPLAN	4199	101	GENSS	4,578	16.4	56.0	191.7	17
3	Pioneer	P0306	103	AM	4,892	17.4	56.0	202.4	12
4	DEKALB	DKC51-38RIB	101	GENSS	4,538	16.8	59.0	189.1	19
5	DEKALB	DKC52-68RIB	102	VT2P	3,792	18.5	55.0	154.8	20
6	CROPLAN	X17102A	102	VT2P	4,688	16.5	58.0	196.1	16
7	DEKALB	DKC54-38RIB	104	GENSS	4,880	17.2	59.0	202.4	13
8	CROPLAN	4549	105	VT2P	5,020	16.8	57.0	209.2	8
9	Golden Harvest	06Q68	106	3220	4,938	17.1	57.0	205.1	11
10	DEKALB	DKC55-85RIB	105	VT2P	5,470	17.9	57.0	225.0	1
11	CROPLAN	4644	106	DGVT2P	4,974	19.0	55.0	201.8	14
12	DEKALB	DKC57-99RIB	107	VT2P	5,052	16.9	58.0	210.3	6
13	Golden Harvest	09Y24	109	3220	5,360	18.8	56.0	218.0	5
14	Pioneer	P0825	108	AM	5,500	18.5	57.0	224.6	2
15	CROPLAN	4997	109	VT2P	5,310	21.1	53.0	209.9	7
16	CROPLAN	5290	112	VT2P	4,750	20.1	56.0	190.1	18
17	DEKALB	DKC62-20RIB	112	VT2P	5,488	20.5	55.0	218.6	4
18	Golden Harvest	11A33	111	3220	5,172	20.5	57.0	206.0	10
19	Pioneer	P1197	111	AM	5,196	20.1	55.0	208.0	9
20	DEKALB	DKC62-53RIB	112	VT2P	5,394	18.8	58.0	219.4	3
					Plot Average:	18.2	56.3	204.0	



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	34,000	2	16	26	3	still lower foliage, red streaks on kernels
	34,000	1	16	19	3	bottom of ear didn't pollinate, some sprouts on the bottom of ear, terrible looking ears, no leaves to walk through, not very tall, shoulder high ears
	29,000	1	16	25	3	healthy looking early plant, still lots of green foliage
	31,000	1	20	26	3	
	30,000	1	20	21	3	waist high ear placement, tiny kernels, most inconsistent ears early
	33,000	1	16	22	2	leafy but not real wide leaves, lots of tip back, ears hang away from stalk
	33,000	1	16	28	3	tip back, coming out of husk
	31,000	1	18	28	3	elbow to shoulder high ears, clean ears and consistent
	29,000	1	14	29	3	upright leaf, no shade, inconsistent ear placement
	34,000	2	18	29	3	leafy , inconsistent girth of ears, shoulder high ears
	32,000	1	16	26	3	floppy, wide leaf, tip coming out of husks, leafy, tan husks, shoulder high ears
	31,000	1	16	34	3	upright leaves, thin husk cover, filled to the top, shoulder high ears
	30,000	1	16	33	3	plant hides ears, red streaks on kernels, tight husks, lots of foliage on top, tips come out end of husk, ears at shoulder
	30,000	1	18	25	3	healthy plant, only fired up to knee, white spots on kernels, big wide leaves, open husk, every ear has tip feeding, ears at shoulder
	33,000	1	18	29	4	clean, ear breaks at base, tall plant, ears at head, darker green plant, square consistent kernels
	32,000	2	16	24	3	lots of husk at tip, 2.5" tip back, bright, yellow, clean kernels
	33,000	1	16	24	3	zipper ear away from stalk, tall, pale yellow, fired up to ear, no leaves to walk through, ears head high, husk is clean
	31,000	1	16	25	3	shorter, pale green, white tip mold, ears elbow to shoulder high, 1.5" tip back
	32,000	1	16	25	3	lots of foliage, inconsistent kernels, white spots on kernels, dark green plant
	32,000	1	16	29	3	tip ear feeding, consistent look, stalks stay leaning after pushing on them



**Total Rainfall:
20.23"**

SANDUSKY C-3

Soil Information:

O.M. %: 2.3 Soil pH: 6.2
Soil Type: Clay Loam



Sandusky
County

Planting Date: 5/9/18
Row Width: 30"

Planting Population: 34,500
Tillage: Conventional

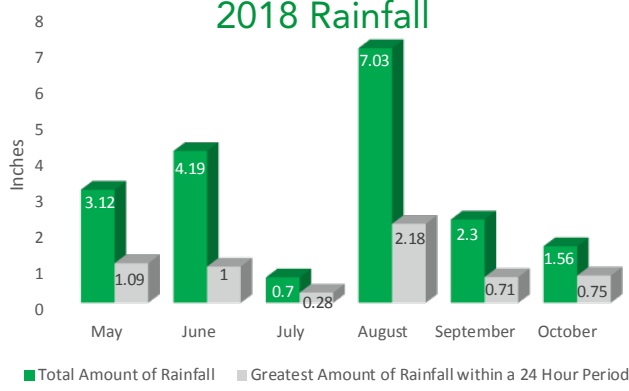
Planting Depth: 2"
Harvest Date: 10/24/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	DEKALB	DKC54-38RIB	104	GENSS	1,206	15.1	50.1	138.6	20
2	CROPLAN	4549	105	VTP2	1,274	14.5	48.0	147.5	19
3	Nu-Tech	5H806	105	GT,LL,Herx1	1,500	14.8	55.3	173.0	17
4	DEKALB	DKC55-84RIB	105	GENSS	1,476	13.8	50.9	172.2	18
5	Pioneer	P0688	106	AM	1,034	15.4	52.7		
6	CROPLAN	4644	106	DGVT2P	1,216	15.0	49.4		
7	NK Brand	0624	106	3320-EZ1	1,396	15.7	55.3		
8	DEKALB	DKC57-97RIB	107	GENSS	1,382	13.1	51.8		
9	CROPLAN	4791	107	AS3111	1,696	15.9	54.6	193.1	14
10	CROPLAN	4895	108	GENSS	1,686	15.5	53.6	192.9	15
11	Gro-Mor	58V76	108	3110 AS	1,748	15.7	57.9	199.5	13
12	Pioneer	P0843	108	AM	1,900	15.7	56.5	216.8	8
13	CROPLAN	6110	110	VTP2	1,578	15.9	56.8	179.7	16
14	Nu-Tech	5F-9909	109	GT,LL,AM	2,086	14.8	56.2	240.6	1
15	Gro-Mor	59-DP48	109	VTP2	1,832	15.6	60.6	209.3	12
16	Pioneer	P0977	109	AM	1,988	14.8	59.0	229.3	4
17	Gro-Mor	60V86	110	3111EZ	1,894	16.5	57.0	214.1	10
18	DEKALB	DKC62-20RIB	112	VTP2	1,920	15.0	53.1	220.9	6
19	NK Brand	1284	112	3220 EZ1	1,964	16.4	58.0	222.3	5
20	Gro-Mor	62G17	112	GT	1,856	15.8	54.4	211.6	11
21	Pioneer	P1298	112	AM	1,924	17.1	56.9	215.9	9
22	DEKALB	DKC63-60RIB	113	GENSS	1,932	16.7	58.0	217.9	7
23	CROPLAN	5290	112	VTP2	2,094	17.6	58.6	233.6	3
24	DEKALB	DKC64-34RIB	114	GENSS	2,076	16.4	54.6	234.9	2
Plot Average:						15.7	55.5	203.2	

Additional Comments:

-Entries 5-8 experienced severe racoon damage, therefore those varieties were thrown out of plot.

2018 Rainfall



Total Rainfall:
18.9"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	32,000		16	30	2	bird damage & some sprouts & mold
	29,000		16	29	2	bird damage & some sprouts & mold
	30,500		16	30	1	high ear placement, very healthy, bird damage not as bad
	30,000		16	32	1	bird damage & some sprouts & mold
	21,000		16	36	1	raccoon and bird damage
	28,000		16	30	1	raccoon damage bad
	23,000		16	30	2	raccoon damage bad
	31,000		16	30	2	raccoon damage bad
	30,500		16	31	2	healthy and very little bird and raccoon damage
	33,500		16	32	1	healthy and very little bird and raccoon damage
	30,000		16	33	1	high ear placement, very healthy, bird damage not as bad
	32,000		18	31	2	high ear placement, very healthy, bird damage not as bad
	30,000		16	33	1	bird damage loose husk
	31,000		14	32	2	high ear placement, very healthy, bird damage not as bad
	31,000		16	33	2	good husk cover
	31,000		16	34	1	very healthy but some bird damage
	30,000		18	32	2	planter skips
	34,000		16	29	1	upright leaves and some bird damages
	32,000		14	36	2	high ear placement, very healthy, bird damage not as bad
	29,500		16	33	1	tall plant high ear placement with good disease
	32,500		18	32	2	very healthy but some bird damage
	31,000		18	30	1	more bird damage than 1298
	33,000		16	33	2	very healthy but some bird damage
	33,000		18	30	1	open husk and bird damage

SANDUSKY C-4

Soil Information:

O.M. %: 1.7 Soil pH: 6.1
Soil Type: Sandy Loam



Sandusky
County

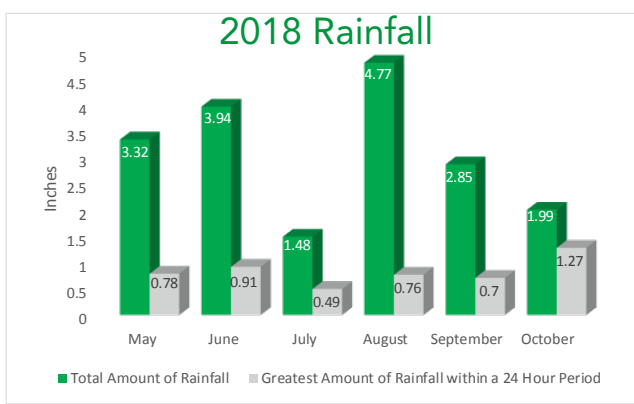
Planting Date: 5/6/18
Row Width: 30"

Planting Population: 35,500
Tillage: Conventional

Planting Depth: 1 1/2"
Harvest Date: 11/5/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	Pioneer	P0306	103	AM	3,834	17.3	58.6	227.7	24
2	Pioneer	P0414	104	AM	4,134	17.3	55.8	245.5	17
3	DEKALB	DKC55-84RIB	105	GENSS	4,028	16.9	53.7	240.4	18
4	CROPLAN	4644	106	DGVT2P	3,674	17.8	53.4	216.9	26
5	Pioneer	P0506	105	AM	4,112	16.4	56.8	246.8	15
6	Pioneer	P0574	105	AM	3,934	17.3	55.7	233.6	23
7	Pioneer	P0688	106	AM	4,306	16.9	55.0	256.9	9
8	NK Brand	NK0624	106	3220 EZ1	4,008	17.8	53.0	236.6	22
9	DEKALB	DKC57-97RIB	107	GENSS	4,276	16.8	56.2	255.5	10
10	CROPLAN	4791	107	AS3111	4,168	17.7	54.9	246.3	16
11	Pioneer	P0825	108	AM	4,514	17.0	55.4	269.0	1
12	Pioneer	P0977	109	AM	4,340	17.3	58.8	257.7	6
13	CROPLAN	4895	108	GENSS	4,166	17.0	57.1	248.3	13
14	CROPLAN	6110	111	VT2P	4,008	17.3	58.0	238.0	21
15	DEKALB	DKC62-20RIB	112	VT2P	4298	16.5	56.1	257.7	7
16	Pioneer	P1197	111	AM	4,346	17.4	56.8	257.8	5
17	Pioneer	P1283	112	AM	4,354	16.6	59.3	260.7	4
18	NK Brand	NK1284	112	3220 EZ1	3,684	17.1	56.7	219.3	25
19	DEKALB	DKC62-52RIB	112	GENSS	4,330	17.3	58.9	257.1	8
20	CROPLAN	5290	112	VT2P	4,236	17.5	57.5	250.9	11
21	CROPLAN	X18113A	113	VT2P	4,448	17.0	58.5	265.1	2
22	DEKALB	DKC64-34RIB	114	GENSS	4,448	17.7	57.4	262.9	3
23	DEKALB	DKC64-87RIB	114	GENSS	4,194	17.5	57.4	248.4	12
24	Pioneer	P1442	114	AM	4,080	18.2	55.9	239.6	19
25	Pioneer	P1464	114	AM	4,178	17.5	57.1	247.5	14
26	Pioneer	P1298	112	AM	4,012	17.1	55.2	238.8	20
Plot Average:						17.2	56.5	247.1	

Total Rainfall:
18.35"



Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
33,000	1	14	32	1	no racoon damage
33,000	1	18	34	1	WBCW damage
34,000	3	18	30	1	missing 50 foot 1 row racoon damage
33,000	3	16	30	2	30% racoon damage, harvest pop 23,000
32,500	1	18	30	1	no racoon damage, GLS
33,000	1	14	32	1	WBCW damage and GLS
33,500	1	12	44	1	light GLS
34,000	1	14	36	1	5 % racoon damage
32,000	1	16	28	1	high grain quality & high ear placement
34,500	1	16	34	1	high ear placement & little GLS
33,000	1	18	34	1	WBCW & best looking Pioneer variety
33,000	1	14	34	1	tall plant, WBCW with a little GLS
33,000	1	18	30	1	little GLS
33,000	1	16	30	1	high grain quality & light GLS
35,000	1	18	30	1	very healthy and erect plant
34,500	1	16	32	1	NCLB, leaf blight long ear with high ear placement
33,500	1	18	32	1	tall plant, WBCW, with a little GLS
32,000	2	18	26	1	doesn't like the heat with tip back and poor pollination in the sand
33,000	2	18	32	1	very good grain quality and disease corn
33,000	1	16	36	1	light GLS, & shows N deficiency
35,000	1	18	28	1	light GLS and high grain quality
35,000	1	18	34	1	little western damage, low ear placement & healthy plant
36,000	1	16	34	1	some GLS and NCLB, leaf blight with high grain quality
34,500	1	16	32	1	very tall with high ear placement, little GLS & good grain quality
35,500	1	16	34	1	very tall with high ear placement, little GLS & good grain quality
35,500	1	16	32	1	healthy looking



SANDUSKY C-5

Soil Information:

O.M. %: 2.3 Soil pH: 6.6
 Soil Type: Clay Loam CEC: 11



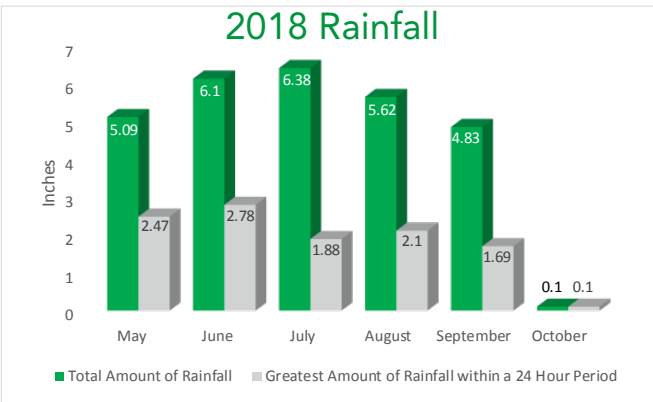
Sandusky
County

Planting Date: 5/2/18
 Row Width: 30"

Planting Population: 34,800
 Tillage: Conventional

Planting Depth: 2"
 Harvest Date: 10/9/18

Entry	Brand	Hybrid	Trait	Relative Maturity	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
chk	CROPLAN	6110	VT2P	110	5,318	19.3	57.0	210.0	16
1	CROPLAN	4079	VT2P	100	5,114	18.0	57.0	206.2	17
2	NK Brand	NK9505	3110	95	4,430	17.8	56.0	179.1	21
3	CROPLAN	4199	VT2P	101	4,988	18.4	55.0	200.1	19
4	DEKALB	DKC52-68RIB	VT2P	102	5,000	20.6	55.0	195.2	20
5	NK Brand	NK0330	3120 EZ1	103	5,512	18.3	58.0	221.4	8
6	DEKALB	DKC54-38RIB	GENSS	104	5,078	18.7	57.0	203.0	18
7	NK Brand	NK0440	3010	104	5,138	17.3	57.0	208.9	16
8	CROPLAN	4549	VT2P	105	5,490	17.6	56.0	222.5	6
9	CROPLAN	4644	DGVT2P	106	5,588	19.9	56.0	220.1	11
10	DEKALB	DKC55-84RIB	GENSS	105	5,472	18.2	57.0	220.1	10
11	NK Brand	NK0624	3220 EZ1	106	5,484	19.1	57.0	218.2	12
12	CROPLAN	4791	AS3111	107	5,690	20.0	58.0	223.8	5
13	DEKALB	DKC57-97RIB	GENSS	107	5,474	20.3	58.0	214.5	14
14	Becks	5840	HR	108	5,364	19.6	57.0	212.1	15
15	CROPLAN	4895	GENSS	108	5,850	20.7	58.0	228.1	3
16	NK Brand	NK0962	3220A EZ1	109	5,794	19.9	57.0	228.2	2
17	DEKALB	DKC62-20RIB	VT2P	112	5,676	19.1	58.0	225.8	4
18	CROPLAN	4997	VT2P	109	5,708	22.3	57.0	218.1	13
19	DEKALB	DKC63-60RIB	GENSS	113	6,016	21.4	58.0	232.5	1
20	DEKALB	DKC64-34RIB	GENSS	114	5,864	23.2	57.0	221.5	7
21	Mycogen	MY09V45	SS	109	5,612	19.8	57.0	221.3	9
Plot Average:						19.5	57.0	215.1	



Sunrise
COOPERATIVE
Success grows here.

Total Rainfall:
28.12"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
						this is check that was used (planted in rest of field)
	33,000	4	14	32	1	GLS, NCLB, ear mold, big kernels
	30,000	1	14	30	3	GLS, NCLB, ear mold, inconsistent ear size, poor pollination
	31,000	1	16	31	4	tips out, loose husk, NCLB, GLS
	35,000	1	20	30	1	Low ear placement, bad GLS, Girthy ear
	33,000	1	20	24	2	Girthy short ear, ear mold, tip back, GLS
	33,000	1	16	32	2	tips out, GLS, ear mold
	32,000	3	16	32	4	loose husk, tall, black layered, Giberella, GLS, ear mold
	35,000	2	18	31	4	GLS, no tip back, consistent ear size
	30,000	2	16	32	3	GLS, Giberella, ear mold, kernel sprouts
	32,000	3	16	33	2	GLS, ear mold
	34,000	2	16	33	3	GLS, no tip back - needs higher pops
	36,000	2	16	31	3	GLS, ear mold, good stay green
	31,000	1	14	35	2	loose husk, GLS, ear mold, flexed ear
	33,000	2	18	31	4	high ear placement, GLS, inconsistent ear size
	35,000	2	18	30	3	consistent ear size, WBCW , GLS, stalk smut, no tip back
	31,000	4	14	33	4	GLS, tip back, large kernels
	35,000	2	16	32	2	GLS, no tip back, high ear placement
	31,000	2	18	34	2	high ear placement, GLS, no tip back
	35,000	3	16	29	2	ear smut, GLS
	34,000	2	18	29	4	loose husk, inconsistent ear size, ear mold, GLS
	32,000	2	18	34	4	GLS, no tip back, Giberella, ear mold

SANDUSKY C-6

Soil Information:

O.M. %: 1.3 Soil pH: 6.9
 Soil Type: Medium Loam CEC: 7



Sandusky
County

Planting Date: 5/29/18
 Row Width: 30"

Planting Population: 34,000
 Tillage: No-Till

Planting Depth: 1 1/2"
 Harvest Date: 10/24/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	CROPLAN	4079	100	VT2P	5,830	17.2	57.0	210.0	13
2	CROPLAN	4199	101	VT2P	5,822	19.8	56.0	203.1	19
3	DEKALB	DKC52-68RIB	102	VT2P	5,446	20.8	54.0	187.6	22
4	NK Brand	NK0330	103	3120 EZ1	5,634	17.8	56.0	201.5	20
5	CROPLAN	4549	105	VT2P	6,140	17.9	55.0	219.3	7
6	CROPLAN	4644	106	DGVT2P	5,876	19.1	55.0	206.8	17
7	NK Brand	NK0440	104	3010	5,434	17.1	54.0	196.0	21
8	DEKALB	DKC55-84RIB	105	GENSS	5,940	20.2	55.0	206.2	18
9	CROPLAN	4791	107	AS3111	6,110	19.7	55.0	213.4	9
10	DEKALB	DKC57-97RIB	107	GENSS	6,054	21.3	56.0	207.3	16
11	NK Brand	NK0962	109	3220A EZ1	6,254	19.7	55.0	218.5	8
12	CROPLAN	4895	108	GENSS	6,048	20.3	55.0	209.7	15
13	NK Brand	NK1191	111	3111	6,094	20.9	54.0	209.7	14
14	DEKALB	DKC62-20RIB	112	VT2P	6,520	21.8	55.0	221.8	6
15	CROPLAN	4997	109	VT2P	6,484	20.7	55.0	223.7	3
16	NK Brand	NK1284	112	3220 EZ1	6,052	19.7	55.0	211.4	12
17	DEKALB	DKC62-52RIB	112	GENSS	6,400	19.5	55.0	224.1	2
18	DEKALB	DKC64-34RIB	114	GENSS	6,684	22.5	55.0	225.4	1
19	Pioneer	P1197	111	AM	6,286	20.4	54.0	221.9	5
20	Pioneer	P0843	108	AM	6,216	19.5	55.0	221.9	4
21	Pioneer	P0825	108	AM	6,186	22.4	54.0	212.9	10
22	Mycogen	MYO9V45	109	RASS	6,067	21.4	52.0	211.5	11
Plot Average:					19.9	54.7	212.0		

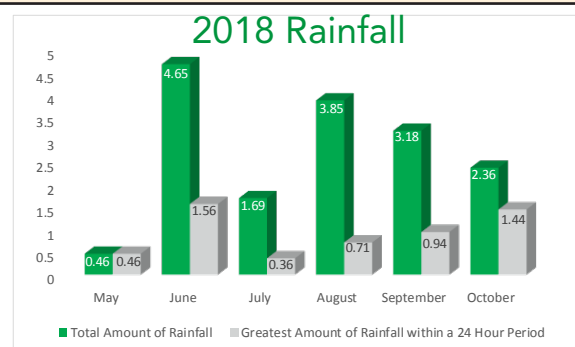
Additional Comments:

Entry 7 and 11 were starting to go down at harvest. Entry 10 showed ear smut.



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	32,000	1	16	30	3	ear mold, GLS, NCLB, medium height
	36,000	1	16	31	1	GLS, NCLB, smut
	33,000	1	20	19	1	GLS, NCLB, smut, tip back, short ear
	32,000	1	16	27	3	WBCW , GLS, NCLB, smut, high ear , tip back
	33,000	1	16	34	4	high placement, GLS, NCLB, ugly ears
	32,000	1	16	34	1	GLS, NCLB, WBCW, consistent ear size
	31,000	3	14	39	4	stalk smut, GLS, NCLB, WBCW, tall, good ear flex
	34,000	3	18	33	5	stalk smut, GLS, NCLB
	33,000	3	18	29	5	GLS, NCLB, consistent ear size
	29,000	2	16	30	1	stalk & ear smut, GLS, NCLB
	32,000	2	18	31	3	some GLS, tip back, tall
	30,000	1	18	30	1	GLS, NCLB, ear smut
	32,000	2	16	30	4	poor pollination , earworm , GLS, NCLB
	32,000	2	14	32	1	tall high ear placement, inconsistent ear size, GLS,NCLB, stalk smut
	34,000	2	16	33	2	stalk & ear smut, GLS, NCLB, high ear placement
	33,000	1	16	37	1	NCLB, GLS, stalk smut, inconsistent ear placement
	34,000	2	16	31	4	ear & stalk smut, WBCW ,GLS, NCLB, good pollination
	33,000	1	18	28	3	ear & stalk smut, GLS, NCLB
	34,000	1	16	36	2	high ear placement, stalk smut, NCLB,GLS, good staygreen
	32,000	3	16	28	3	GLS, NCLB
	30,000	3	16	28	3	ear & stalk mold , GLS, NCLB, inconsistent ear size, tip back
	35,000	2	18	27	2	ear smut, GLS, NCLB, short plant , WBCW, low earplacement

Total Rainfall:
16.19"



SENECA C-1



Seneca
County

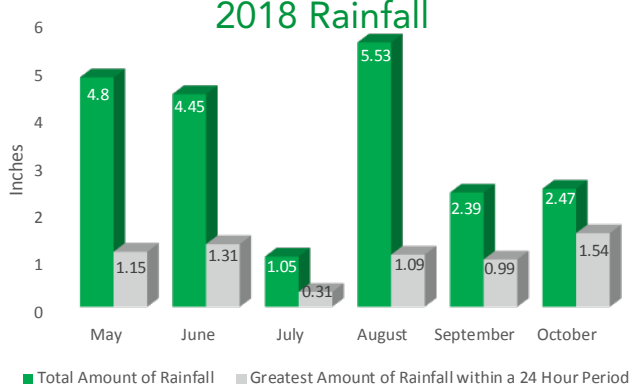
Planting Date: 5/8/18
Row Width: 30"

Planting Population: 34,000
Tillage: Conventional

Planting Depth: 2"
Harvest Date: 10/16/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank		
1	DEKALB	DKC51-38RIB	101	GENSS	10,780	16.0	183.2	20		
2	DEKALB	DKC52-68RIB	102	VT2PRIB	10,595	16.3	179.4	21		
3	DEKALB	DKC53-58RIB	103	VT2PRIB	11,785	16.3	199.6	14		
4	DEKALB	DKC54-38RIB	104	GENSS	11,090	15.9	188.7	18		
5	DEKALB	DKC55-85RIB	105	VT2PRIB	11,170	16.2	189.4	17		
6	DEKALB	DKC57-99RIB	107	VT2PRIB	11,860	15.6	202.5	12		
7	Pioneer	P0825	108	AM	11,140	15.4	190.7	16		
8	DEKALB	DKC60-88RIB	110	VT2PRIB	13,450	15.8	229.5	2		
9	DEKALB	DKC61-55RIB	111	DGVT2P	13,000	17.1	218.0	8		
10	DEKALB	DKC62-20RIB	112	VT2PRIB	12,235	16.1	207.7	10		
11	DEKALB	DKC62-53RIB	112	VT2PRIB	12,950	16.7	218.2	7		
12	Pioneer	P1197	111	AM	13,485	16.6	227.5	3		
13	DEKALB	DKC63-60RIB	113	GENSS	13,625	18.0	226.0	4		
14	DEKALB	DKC64-35RIB	114	VT2PRIB	13,605	17.9	226.0	5		
15	DEKALB	DKC64-89RIB	114	VT2PRIB	12,725	16.9	213.9	9		
16	CROPLAN	5290	112	DGVT2P	13,870	18.2	229.5	1		
17	CROPLAN	5073	110	SSRIB	13,010	16.2	220.6	6		
18	CROPLAN	4644	106	DGVT2P	11,805	15.5	201.8	13		
19	CROPLAN	4549	105	SSRIB	11,530	16.2	195.5	15		
20	CROPLAN	4488	104	SSRIB	11,840	15.3	202.9	11		
21	CROPLAN	4020	100	VT2PRIB	10,690	14.8	184.3	19		
			Plot Average:			16.3	206.4			

2018 Rainfall



Total Rainfall:
20.7"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	33,000	1	18	30	2	1-2" bird damage with some sprouts, low ear placement
	32,500	2	20	20	1	2" bird damage with lots of sprouts, heavy GLS leaf and fired up above ear
	31,000	2	16	31	1	loose husk with some bird damage and tip back, medium NCLB, and GLS
	35,000	1	16	29	1	heavy GLS with loose husk and heavy bird damage, low ear placement
	32,000	1	16	27	3	medium GLS, loose husk with heavy bird damage
	33,500	2	16	31	1	heavy bird damage, medium GLS leaf, short plant
	23,000	1	16	32	1	looks bad from bird damage and fired up. not sure what happened
	34,000	1	16	33	3	tight husk with some mold in ear, good disease corn
	34,000	1	18	32	1	high ear placement with medium GLS- with loose husk some bird damage
	34,000	1	16	30	1	ears dropping down with low disease, looks good
	29,000	1	17	34	1	leafy with some bird damage low ear placement and low disease
	33,500	3.5	17	33	1	tall showy plant with tip back, low bird damage
	31,500	1	17	34	1	medium bird damage with medium Disease and 1/2 " tip back
	29,500	1	20	31	1	upright leafs with open husk and tip back, low disease and good grain
	34,000	1	18	32	1	good grain quality and open husks, some bird damage
	31,000	2	14	33	1	grain quality excellent, low GLS, fired up to the ear
	32,500	1	16	34	1	good disease corn, looks like light TW corn, open husk
	26,000	1	16	30	1	****raccoon damage****
	33,000	1	16	30	1	blocky ear, good disease corn that looks to have good grain quality
	31,000	1	16	30	1	deep kernels open husk some bird damage with blocky ear
	31,500	1	16	34	1	bad bird damage and heavy GLS

SENECA C-2

Soil Information:

O.M. %:
Soil Type:

Soil pH:
CEC:



Seneca
County

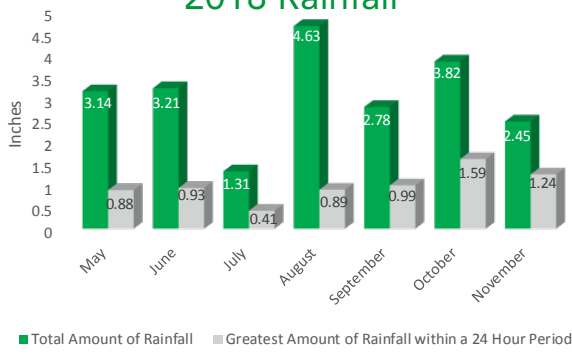
Planting Date: 5/8/18
Row Width: 30"

Planting Population: 33,400
Tillage: Conventional

Planting Depth: 1 1/2"
Harvest Date: 11/21/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	CROPLAN	4079	100	VT2P	3,360	17.5	57.0	229.1	17
2	CROPLAN	4199	101	VT2P	3,422	18.2	56.0	231.3	16
3	DEKALB	DKC52-68RIB	102	VT2P	3,492	18.9	57.0	234.0	14
4	CROPLAN	4549	105	VT2P	3,454	18.5	57.0	232.6	15
5	Pioneer	P0506	105	AM	3,870	18.1	57.0	261.9	7
6	CROPLAN	4644	106	DGVT2P	3,330	18.8	57.0	223.4	18
7	DEKALB	DKC55-84RIB	105	GENSS	3,652	18.5	57.0	245.9	12
8	CROPLAN	4791	107	AS3111	3,726	18.4	56.0	251.2	9
9	DEKALB	DKC57-97RIB	107	GENSS	3,664	18.9	57.0	245.5	13
10	Becks	5840	108	HR	3,650	18	57.0	247.3	11
11	CROPLAN	4895	108	GENSS	3,720	18.8	57.0	249.6	10
12	DEKALB	DKC62-20RIB	112	VT2P	3,978	19	57.0	266.3	6
13	CROPLAN	4997	109	VT2P	4,058	19.8	57.0	268.9	4
14	DEKALB	DKC63-60RIB	113	GENSS	4,028	19.5	58.0	267.9	5
15	Pioneer	P1197	113	AM	4,250	19.6	57.0	282.4	1
16	DEKALB	DKC64-34RIB	114	GENSS	4,222	19.8	57.0	279.8	2
17	DEKALB	DKC64-87RIB	114	GENSS	4,056	19.4	58.0	270.1	3
18	Pioneer	P0843	108	AM	3,800	18.1	57.0	257.2	8
Plot Average:						18.7	57.0	252.5	

2018 Rainfall



Total Rainfall:
21.34"

	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	34,000	1	16	36	1	low GLS & NCLB, good color, close to black layer, lower ear
	34,500	1.5	16	32	1	low GLS & NCLB, N deficiency, fired up to ear, low ear placement
	33,500	1	18	34	1	short corn, low ear placement, GLS & NCLB, in middle canopy
	32,000	2	16	38	1	very healthy, low GLS & NCLB, pressure
	32,500	1	16	36	1	girthy, tall, upright ear, low NCLB, & GLS pressure, 1/2" tip back
	30,000	1	16	32	1	very upright leaf, mid ear placement, very low GLS
	30,500	1	16	38	1	ears have dropped, low ear placement, very healthy, leafy, lots of fodder
	33,500	1	16	35	1	loose husk, 3/4" tip back, low disease pressure, upright leaf
	33,000	1	16	35	1	loose husk, low disease pressure, 1/2" tip back,
	32,500	1	16	35	1	long shank, light yellow grain very tall, high ear placement, low disease, 1" tip back, upright leaf
	31,500	1	16	36	1	good grain quality, low disease, low ear placement, 1/2" tip back, consistent ears
	34,000	2	16	33	1	upright leaf, low disease pressure, upright ear, mid ear placement
	33,000	1	16	38	1	consistent ear, upright & tall, no disease, 1/2" tip back
	32,000	1	16	35	1	good grain quality, low disease, leafy, showy plant, tall, mid ear placement
	34,000	1	16	38	2	good grain quality, high ear placement, consistent ear, upright, 1/2" tip back, low disease
	32,000	1	18	32	1	mid ear placement 1" tip back, big plant, very healthy
	34,500	1	16	36	1	low disease, high ear placement, loose husk, 1" tip back
	32,000	1	16	36	1	medium/high ear placement, 1/2" tip back



WARREN C-1

Soil Information:

O.M. %: 1.6 Soil pH: 6.0
 Soil Type: Silty Loam CEC: 8.7



Warren
County

Planting Date: 5/7/18
 Row Width: 30"

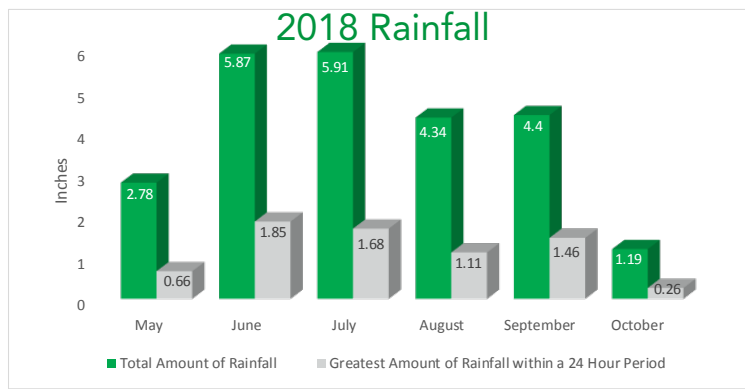
Planting Population: 32,500
 Tillage: Conventional

Planting Depth: 2"
 Harvest Date: 10/23/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
1	DEKALB	DKC57-97RIB	107	GENSS	3878	16.5	58.3	255.8	25
2	CROPLAN	4895	108	GENSS	4,032	16.6	57.8	265.6	20
3	Pioneer	P0843	108	AM	4,264	16.5	57.7	276.9	8
4	DEKALB	DKC60-87RIB	110	GENSS	3,914	16.1	58.9	255.4	26
5	CROPLAN	4997	109	VT2P	4,166	16.3	57.6	270.9	16
6	DEKALB	DKC62-20RIB	112	VT2P	4,070	16.5	57.9	264.0	21
7	DEKALB	DKC62-52RIB	112	GENSS	4,224	16.7	57.9	273.3	13
8	CROPLAN	5277	112	3220A EZ1	4,020	16.6	58.5	260.4	22
9	CROPLAN	5335	113	VT2P	4,332	16.9	59.0	276.8	9
10	CROPLAN	X18113A	113	VT2P	4,324	17.2	59.8	275.3	12
11	DEKALB	DKC63-60RIB	113	GENSS	4,128	16.4	60.0	267.4	19
12	DEKALB	DKC64-34RIB	114	GENSS	4,420	16.8	60.0	285.0	4
13	Pioneer	P1442	114	AM	4,522	17.5	60.4	287.3	3
14	CROPLAN	5678	116	VT2P	4,384	17.1	60.1	279.8	6
15	Stewart	10DP099	110	VT2P	4,390	16.5	58.2	281.9	5
16	Stewart	10DP457	110	VT2P	4,214	16.7	58.4	270.0	17
17	Stewart	11DP718	111	VT2P	2,848	17.2	58.4	275.5	11
18	Stewart	8D503	108	DG	2,860	16.5	59.1	279.0	7
19	Stewart	8E623	108	VT2P	3,018	16.8	57.9	293.3	1
20	Stewart	8E663	108	VT2P	2,790	16.9	60.2	268.5	18
21	Stewart	14DD39	112	DG	2,986	16.4	58.8	289.0	2
22	Stewart	17DP387	117	VT2P	2,858	16.6	60.9	276.0	10
23	Mycogen	MY06R36	106		2,436	15.7	59.2	243.0	28
24	Mycogen	MY08T21	108		2,500	16.9	57.4	245.8	27
25	Mycogen	MY09B16	109		2,756	16.5	57.1	272.3	14
26	Mycogen	MY11B25	111		2,618	16.6	57.9	256.0	24
27	Mycogen	MY12G35	112		2,660	17.4	57.3	257.7	23
28	Mycogen	MY14M95	114		2,830	18.3	55.8	271.1	15
Plot Average:					16.7	58.6	270.5		



Total Rainfall:
24.49"



	Final Stand	Stalk Rating	Kernels Around	Kernels Long	Ear Shank Rating	General Comments
	29,000	1	16	30	2	tall
	31,000	1	16	36	2	consistent
	29,000	3	14	30	2	tall plant, high ear placement
	34,000	3	18	30	2	very tall, high ear placement
	31,000	2	16	34	1	
	32,000	2	14	33	2	open husk
	34,000	3	18	31	2	
	34,000	2	14	33	1	light color grain
	29,000	2	18	28	2	
	30,000	1	18	32	1	excellent
	36,000	2	16	31	3	very high ear
	37,000	3	20	26	2	inconsistent ear placement
	31,000	3	14	38	3	tall plant
	30,000	3	14	40	2	
	35,000	3	20	28	2	light color grain
	34,000	4	16	30	4	inconsistent ear placement
	31,000	3	16	29	3	
	32,000	2	14	38	2	
	32,000	3	20	37	3	open husk
	34,000	3	18	31	3	
	37,000	2	18	30	2	
	34,000	3	18	32	3	
	25,000	2	16	31	2	droopy leaves, inconsistent ear placement
	32,000	1	18	32	2	inconsistent ear placement
	31,000	1	16	32	1	white corn
	36,000	2	16	34	3	
	32,000	3	16	24	2	
	33,000	3	18	31	3	Diplodia

Planting Date: 5/9/18
Location: Erie County
Harvest Date: 10/9/18

TRIAL 1

Brand	Hybrid	Traits	Harvest Moisture %	Bushel/Acre	Yield Rank
Stine	R9428-32	STXRIB	19.9	178.1	2
DEKALB	DKC52-68RIB		21.5	179.4	1

Planting Date: 5/9/18
Location: Huron County
Harvest Date: 10/10/18

TRIAL 2

Brand	Hybrid	Traits	Harvest Moisture %	Bushel/Acre	Yield Rank
CROPLAN	5290	VT2P	21.3	220.1	1
DEKALB	DKC57-77RIB	GENSS	20.3	207.1	2
Pioneer	P1298	AM	24	199.3	3

Planting Date: 5/9/18
Location: Huron County
Harvest Date: 10/10/18

TRIAL 3

Brand	Hybrid	Traits	Harvest Moisture %	Bushel/Acre	Yield Rank
CROPLAN	4791	AS3111	20.7	247.6	1
Pioneer	P1197	AM	20.5	217.1	2
Seed Consultants	11AQ17		21.4	209.3	3

Planting Date: 5/9/18
Location: Huron County
Harvest Date: 10/10/18

TRIAL 4

Brand	Hybrid	Traits	Harvest Moisture %	Bushel/Acre	Yield Rank
Pioneer	P0825	AM	21	219.1	2
DEKALB	DKC57-77RIB	GENSS	19.4	217.0	3
DEKALB	DKC57-97RIB	GENSS	19.2	225.0	1

Planting Date: 5/9/18
Location: Huron County
Harvest Date: 10/24/18

TRIAL 5

Brand	Hybrid	Traits	Harvest Weight	Harvest Moisture %	Test Weight	Bushel/Acre	Yield Rank
French Hybrids	5510	VT2P	3,740	17.9	57.6	225.4	3
DEKALB	DKC54-38RIB	GENSS	3,530	16.2	58.5	217.2	5
DEKALB	DKC57-99RIB	VT2P	3,970	16.0	58.8	244.8	1
Beck's	5140	HR	3,890	16.6	59.0	238.2	2
DEKALB	DKC54-38RIB	GENSS	3,625	16.2	59.7	223.0	4

Planting Date: 5/9/18
Location: Marion County
Harvest Date: 10/17/18

TRIAL 6

Brand	Hybrid	Traits	Harvest Moisture %	Bushel/Acre	Yield Rank
Becks	5140	HR	19.2	224.1	2
DEKALB	DKC55-21RIB	GENSS	18.1	225.9	1

Planting Date: 5/10/18
Location: Greene County
Harvest Date: 11/8/18

TRIAL 7

Brand	Hybrid	Traits	Harvest Moisture %	Bushel/Acre	Yield Rank
DEKALB	DKC64-36RIB	GENSS	17.2	241.3	1
Becks	5866	AM	16.1	234.2	2

Planting Date: 5/10/18
Location: Greene County
Harvest Date: 11/8/18

TRIAL 8

Brand	Hybrid	Traits	Harvest Moisture %	Bushel/Acre	Yield Rank
CROPLAN	4997	VT2P	16.1	227.4	1
Becks	5818	BR	16.5	225.6	2

SOYBEAN XTEND PLOT AVERAGES | COMBINED

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
ASGROW	AG 32X8	5	79.71	104.81	1
NK Brand	35-K9X	7	70.58	104.52	2
ASGROW	AG 38X8	9	71.74	104.48	3
CROPLAN	RX3750	3	75.43	104.41	4
CROPLAN	RX3660	9	69.66	104.4	5
CROPLAN	RX3360	11	69.87	103.28	6
NK Brand	37-H5X	3	70.99	103.19	7
CROPLAN	RX3500	5	76.41	102.8	8
Pioneer	28T71X	3	66.92	102.3	9
NK Brand	33-D7X	7	67.87	101.68	10
ASGROW	AG 30X8	9	69	101.58	11
CROPLAN	RX3100	8	73.12	101.02	12
CROPLAN	RX2910	7	69.41	101.01	13
ASGROW	AG 37X9	3	72.72	100.38	14
ASGROW	AG 33X8	9	71.08	100.37	15
NK Brand	31-Y2X	7	67.58	100.22	16

SOYBEAN XTEND PLOT AVERAGES | COMBINED

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
CROPLAN	RX3556	3	61.85	99.07	17
ASGROW	AG 36X6	11	68.5	98.65	18
ASGROW	AG 34X9	4	61.05	98.43	19
CROPLAN	RX3950	3	70.87	97.58	20
CROPLAN	RX3337	4	75.79	97.09	21
ASGROW	AG 41X8	4	71.04	96.61	22
ASGROW	AG 28X9	3	63.55	96.6	23
NK Brand	34-T2X	7	63.88	96.43	24
ASGROW	AG 35X9	3	60.97	93.55	25
ASGROW	AG 40X6	3	72.16	92.18	26
NK Brand	39-P5X	3	63.25	91.26	27

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, ASGROW AG 32X8 has an average index of 104.81. Meaning, it performed 4.81 higher than what was considered the average yield across all plots the entry was in. NK Brand 39-P5X has an average index of 91.26. This means it performed 8.74 lower than what was considered the average yield across all plots the entry was in.

SOYBEAN XTEND PLOT AVERAGES | NORTH

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
CROPLAN	RX3660	3	60.03	106.95	1
ASGROW	AG38X8	4	65.22	105.8	2
NK Brand	S35-K9X	3	60.08	104.52	3
CROPLAN	RX3360	5	62.79	103.03	4
Pioneer	P28T71X	3	66.92	102.3	5
ASGROW	AG30X8	6	64.01	101.21	6
CROPLAN	RX3100	4	66.92	100.48	7
NK Brand	S33-D7X	3	55.17	100.13	8
ASGROW	AG33X8	5	64.83	99.68	9
CROPLAN	RX3556	3	61.85	99.07	10
CROPLAN	RX2910	4	61.6	99.01	11
ASGROW	AG34X9	4	61.05	98.43	12
ASGROW	AG36X6	5	63.45	98.25	13
NK Brand	S34-T2X	3	53.47	97.73	14
ASGROW	AG28X9	3	63.55	96.6	15
NK Brand	S31-Y2X	3	52.43	95.32	16
ASGROW	AG35X9	3	60.97	93.55	17

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, CROPLAN RX3660 has an average index of 106.95. Meaning, it performed 6.95 higher than what was considered the average yield across all plots the entry was in. ASGROW AG35X9 has an average index of 93.55. This means it performed 6.45 lower than what was considered the average yield across all plots the entry was in.

SOYBEAN XTEND PLOT AVERAGES | SOUTH

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
NK Brand	31-Y2X	4	78.94	105.12	1
ASGROW	AG 32X8	5	79.71	104.81	2
NK Brand	35-K9X	4	78.46	104.51	3
CROPLAN	RX3750	3	75.43	104.41	4
CROPLAN	RX3360	6	75.77	103.53	5
NK Brand	33-D7X	4	77.39	103.23	6
NK Brand	37-H5X	3	70.99	103.19	7
ASGROW	AG 38X8	5	76.95	103.16	8
CROPLAN	RX2910	3	79.83	103.01	9
CROPLAN	RX3500	5	76.41	102.8	10
ASGROW	AG 30X8	3	79	101.94	11
CROPLAN	RX3660	6	74.47	101.85	12
CROPLAN	RX3100	4	79.32	101.55	13
ASGROW	AG 33X8	4	78.89	101.05	14
ASGROW	AG 37X9	3	72.72	100.38	15
ASGROW	AG 36X6	6	72.7	99.05	16
CROPLAN	RX3950	3	70.87	97.58	17
CROPLAN	RX3337	4	75.79	97.09	18
ASGROW	AG 41X8	4	71.04	96.61	19
NK Brand	34-T2X	4	71.68	95.13	20
ASGROW	AG 40X6	3	72.16	92.18	21
NK Brand	39-P5X	3	63.25	91.26	22

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, NK Brand 31-Y2X has an average index of 105.12. Meaning, it performed 5.12 higher than what was considered the average yield across all plots the entry was in. NK Brand 39-P5X has an average index of 91.26. This means it performed 8.74 lower than what was considered the average yield across all plots the entry was in.



Planting Date: 5/25/18
Row Width: 7.5"

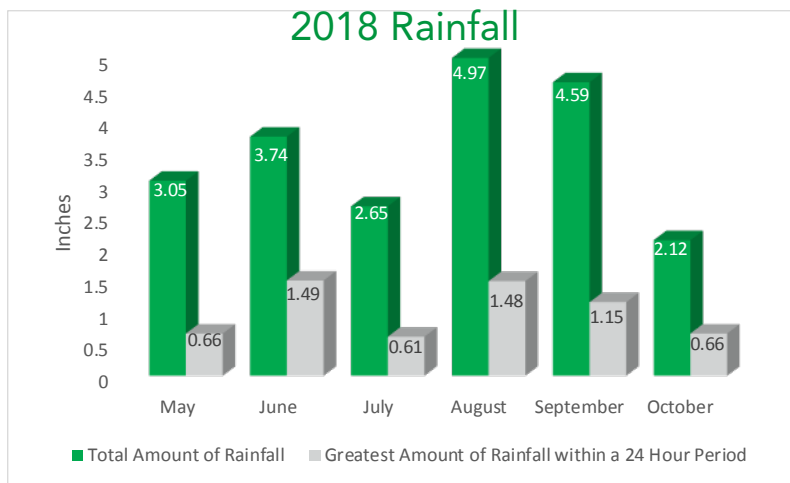
Planting Population: 160,000
Tillage: No-Till

Planting Depth: 1"
Harvest Date: 10/25/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	NK Brand	S21-W8X	2.1	RR/Xtend	Clariva Complete + Mertect	714	14.4	36.9	10
2	NK Brand	S27-M8X	2.7	RR/Xtend	Clariva Complete + Mertect	980	14.3	50.7	9
3	NK Brand	S31-Y2X	3.1	RR/Xtend	Clariva Complete + Mertect	976	13.2	51.1	8
4	NK Brand	S33-D7X	3.3	RR/Xtend	Clariva Complete + Mertect	1,156	13.8	60.1	2
5	NK Brand	S34-T2X	3.4	RR/Xtend	Clariva Complete + Mertect	1,096	13.6	57.1	4
6	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertect	1,224	13.3	64.0	1
7	NK Brand	S37-H5X	3.7	RR/Xtend	Clariva Complete + Mertect	1,146	13.2	60.0	3
8	NK Brand	S39-P5X	3.9	RR/Xtend	Clariva Complete + Mertect	1,074	13.3	56.2	5
9	ASGROW	AG30X8	3.0	RR/Xtend	Acceleron	1,048	13.3	54.8	6
10	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	1,030	13.4	53.8	7
Plot Average:							13.6	54.5	

Additional Comments:

Entry 1 looked very thin, potentially experienced wildlife damage.
Entries 3 & 9 had sprayer tracks in them.



Total Rainfall: 21.13"

AUGLAIZE S-1

Soil Information:

O.M. %: 3.3 Soil pH: 6.5
Soil Type: Silty Loam

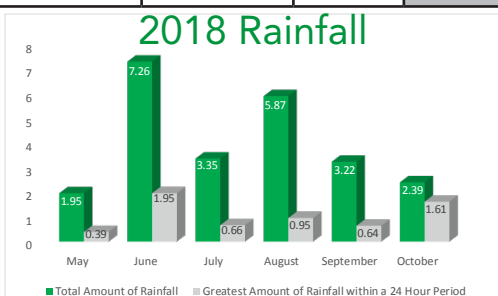


Planting Date: 5/11/18
Row Width: 7.5"

Planting Population: 175,000
Tillage: Conventional

Planting Depth: 1"
Harvest Date: 10/22/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	ASGROW	AG27X9	2.7	RR/Xtend	Accelaron	1,822	11.9	72.8	21
2	CROPLAN	RX2910	2.9	RR/Xtend	Warden CX + ILeVO	1,936	11.9	77.4	9
3	ASGROW	AG30X8	3.0	RR/Xtend	Accelaron	1,900	12.3	75.6	16
4	CROPLAN	RX3100	3.1	RR/Xtend	Warden CX + ILeVO	1,936	12.0	77.3	11
5	NK Brand	S31-Y2X	3.1	RR/Xtend	Clariva Complete + Mertect	1,890	11.8	75.6	15
6	ASGROW	AG32X8	3.2	RR/Xtend	Accelaron	1,980	11.9	79.1	8
7	CROPLAN	RX3337	3.3	RR/Xtend	Warden CX + ILeVO	1,830	11.5	73.5	18
8	ASGROW	AG33X8	3.3	RR/Xtend	Accelaron	2,002	11.9	80.0	5
9	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	1,922	11.8	76.9	13
10	NK Brand	S33-D7X	3.3	RR/Xtend	Clariva Complete + Mertect	1,828	12.0	73.0	20
11	ASGROW	AG34X9	3.4	RR/Xtend	Accelaron	1,920	11.9	76.7	14
12	NK Brand	S34-T2X	3.4	RR/Xtend	Clariva Complete + Mertect	1,840	12.0	73.4	19
13	CROPLAN	RX3500	3.5	RR/Xtend	Warden CX + ILeVO	2,072	11.9	82.8	1
14	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertect	1,932	11.8	77.3	10
15	ASGROW	AG36X6	3.6	RR/Xtend	Accelaron	2,028	12.0	80.9	3
16	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	2,014	12.1	80.3	4
17	ASGROW	AG37X9	3.7	RR/Xtend	Accelaron	1,988	11.9	79.4	7
18	ASGROW	AG38X8	3.8	RR/Xtend	Accelaron	1,924	11.8	77.0	12
19	ASGROW	AG39X7	3.9	RR/Xtend	Accelaron	1,996	11.9	79.8	6
20	ASGROW	AG40X6	4.0	RR/Xtend	Accelaron	1,846	12.0	73.7	17
21	Pioneer	P38A98X	3.8	RR/Xtend	PPST/FST/IST	1,792	11.9	71.6	23
22	Pioneer	P37A69X	3.7	RR/Xtend	PPST/FST/IST	1,812	11.8	72.5	22
23	Pioneer	P31A22X	3.1	RR/Xtend	PPST/FST/IST	1,338	11.8	81.6	2
Plot Average:							11.9	76.9	



Total Rainfall: 24.04"

Sunrise
COOPERATIVE
Success grows here.



Planting Date: 5/7/18
Row Width: 30"

Planting Population: 140,000
Tillage: Conventional

Planting Depth: 1 1/2"
Harvest Date: 10/18/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	NK Brand	S27-M8X	2.7	RR/Xtend	Clariva Complete + Mertect	580	13.8	69.5	25
2	NK Brand	S31-Y2X	3.1	RR/Xtend	Clariva Complete + Mertect	710	13.6	85.3	1
3	NK Brand	S33-D7X	3.3	RR/Xtend	Clariva Complete + Mertect	710	13.6	85.3	1
4	NK Brand	S34-T2X	3.4	RR/Xtend	Clariva Complete + Mertect	640	13.5	77.0	13
5	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertect	680	13.5	81.8	3
6	NK Brand	S37-H5X	3.7	RR/Xtend	Clariva Complete + Mertect	680	13.6	81.7	4
7	NK Brand	S39-P5X	3.9	RR/Xtend	Clariva Complete + Mertect	620	13.5	74.6	19
8	ASGROW	AG27X7	2.7	RR/Xtend	Acceleron	600	13.4	72.3	24
9	CROPLAN	RX2700	2.7	RR/Xtend	Warden CX + ILeVO	640	13.5	75.5	16
10	CROPLAN	RX2910	2.9	RR/Xtend	Warden CX + ILeVO	690	13.3	81.6	5
11	ASGROW	AG30X8	3.0	RR/Xtend	Acceleron	690	13.4	81.5	6
12	CROPLAN	RX3100	3.1	RR/Xtend	Warden CX + ILeVO	660	13.3	78.0	11
13	ASGROW	AG32X8	3.2	RR/Xtend	Acceleron	640	13.5	75.5	16
14	CROPLAN	RX3337	3.3	RR/Xtend	Warden CX + ILeVO	640	13.2	75.7	15
15	ASGROW	AG33X8	3.3	RR/Xtend	Acceleron	630	13.3	74.5	22
16	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	670	13.2	78.0	12
17	ASGROW	AG34X6	3.4	RR/Xtend	Acceleron	640	12.9	74.7	18
18	CROPLAN	RX3500	3.5	RR/Xtend	Warden CX + ILeVO	670	12.9	78.2	9
19	CROPLAN	RX3556	3.5	RR/Xtend	Warden CX + ILeVO	660	13.0	77.0	14
20	ASGROW	AG36X6	3.6	RR/Xtend	Acceleron	640	13.1	74.6	20
21	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	640	13.1	74.6	20
22	CROPLAN	RX3750	3.7	RR/Xtend	Warden CX + ILeVO	670	12.8	78.3	8
23	ASGROW	AG38X8	3.8	RR/Xtend	Acceleron	690	12.8	80.7	7
24	ASGROW	AG39X7	3.9	RR/Xtend	Acceleron	670	12.9	78.2	9
25	CROPLAN	RX3950	3.9	RR/Xtend	Warden CX + ILeVO	620	12.9	72.4	23
Plot Average:						13.3	77.5		

CLARK S-1

Soil Information:

O.M. %: 2.2

Soil pH: 6

Soil Type:

CEC: 13.4



Clark
County

Planting Date: 5/10/18

Planting Population: 120,000

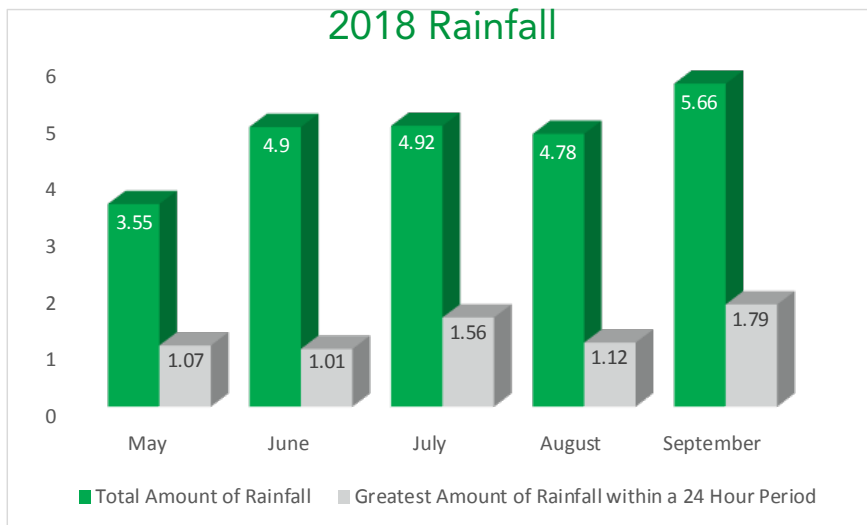
Planting Depth: 1 1/2"

Row Width: 30"

Tillage: Conservation

Harvest Date: 10/1/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	3,413	12.3	70.6	1
2	ASGROW	AG35X9	3.5	RR/Xtend	Acceleron	2,829	11.8	58.8	9
3	CROPLAN	RX3500	3.5	RR/Xtend	Warden CX + ILeVO	3,170	11.7	66.0	4
4	ASGROW	AG36X6	3.6	RR/Xtend	Acceleron	2,828	11.8	58.8	10
5	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	3,260	12.1	67.5	2
6	ASGROW	AG37X9	3.7	RR/Xtend	Acceleron	2,905	11.8	60.4	6
7	NK Brand	S37-H5X	3.7	RR/Xtend	Clariva Complete + Mertect	2,880	12.1	59.7	7
8	CROPLAN	RX3750	3.7	RR/Xtend	Warden CX + ILeVO	3,245	12.1	67.2	3
9	ASGROW	AG38X8	3.8	RR/Xtend	Acceleron	3,013	11.8	62.6	5
10	NK Brand	S39-P5X	3.9	RR/Xtend	Clariva Complete + Mertect	2,100	12	43.6	12
11	CROPLAN	RX3950	3.9	RR/Xtend	Warden CX + ILeVO	2,855	11.8	59.4	8
12	ASGROW	AG41X8	4.1	RR/Xtend	Acceleron	2,535	12.2	52.5	11
Plot Average:							12.0	60.6	



Total Rainfall: 23.81"

Sunrise
COOPERATIVE
Success grows here.

DARKE S-1



Darke County

Planting Date: 5/12/18
Row Width: 15"

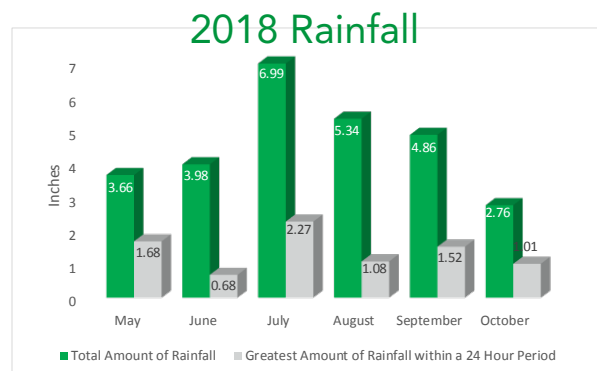
Planting Population: 155,000
Tillage: No-Till

Planting Depth: 2"
Harvest Date: 10/2018

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	CROPLAN	RX3100	3.1	RR/Xtend	Warden CX + ILeVO	1140	17.4	86.3	5
2	ASGROW	AG32X8	3.2	RR/Xtend	Acceleron	1415	17.3	97.7	1
3	CROPLAN	RX3337	3.3	RR/Xtend	Warden CX + ILeVO	1065	17.2	73.6	14
4	ASGROW	AG33X8	3.3	RR/Xtend	Acceleron	1230	17.2	80.9	7
5	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	1395	17.3	87.5	3
6	ASGROW	AG34X9	3.4	RR/Xtend	Acceleron	1210	17.5	72.4	16
7	CROPLAN	RX3500	3.5	RR/Xtend	Warden CX + ILeVO	1335	17.5	76.6	11
8	ASGROW	AG35X9	3.5	RR/Xtend	Acceleron	1235	17.5	68.0	18
9	ASGROW	AG36X6	3.6	RR/Xtend	Acceleron	1360	17.5	72.0	17
10	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	1610	17.5	75.4	12
11	Pioneer	36T36X	3.6	RR/Xtend	PPST/FST/IST	1765	17.4	82.8	6
12	CROPLAN	RX3750	3.7	RR/Xtend	Warden CX + ILeVO	1720	17.3	80.7	9
13	ASGROW	AG37X9	3.7	RR/Xtend	Acceleron	1680	17.3	78.3	10
14	ASGROW	AG38X8	3.8	RR/Xtend	Acceleron	1920	18.1	88.7	2
15	Pioneer	38A98X	3.8	RR/Xtend	PPST/FST/IST	1600	18.3	73.2	15
16	CROPLAN	RX3950	3.9	RR/Xtend	Warden CX + ILeVO	1770	18.4	80.9	8
17	ASGROW	AG40X6	4.0	RR/Xtend	Acceleron	1665	19	75.0	13
18	ASGROW	AG41X8	4.1	RR/Xtend	Acceleron	1925	18.9	86.9	4
Plot Average:							17.7	79.8	



Total Rainfall: 27.59"



DARKE S-2

Soil Information:

O.M. %: 4 Soil pH: 6.8
Soil Type: Silty Clay Loam



Darke
County

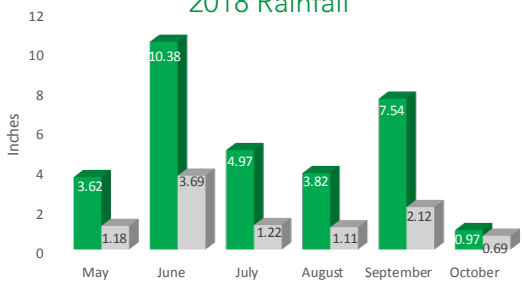
Planting Date: 5/15/18
Row Width: 15"

Planting Population: 146,000
Tillage: No-Till

Planting Depth: 2"
Harvest Date: 10/25/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	CROPLAN	RX2910	2.9	RR/Xtend	Warden CX + ILeVO	2,740	12.9	80.6	4
2	ASGROW	AG30X8	3.0	RR/Xtend	Acceleron	2,723	13.0	80.0	7
3	CROPLAN	RX3100	3.1	RR/Xtend	Warden CX + ILeVO	2,576	13.0	75.7	15
4	NK Brand	S31-Y2X	3.1	RR/Xtend	Clariva Complete + Mertect	2,859	13.0	84.0	1
5	ASGROW	AG32X8	3.2	RR/Xtend	Acceleron	2,521	13.0	74.0	17
6	CROPLAN	RX3337	3.3	RR/Xtend	Warden CX + ILeVO	2,737	13.0	80.4	5
7	ASGROW	AG33X8	3.3	RR/Xtend	Acceleron	2,730	13.0	80.2	6
8	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	2,545	13.0	74.7	16
9	NK Brand	S33-D7X	3.3	RR/Xtend	Clariva Complete + Mertect	2,663	13.0	78.2	13
10	NK Brand	S34-T2X	3.4	RR/Xtend	Clariva Complete + Mertect	2,683	13.0	78.8	10
11	CROPLAN	RX3500	3.5	RR/Xtend	Warden CX + ILeVO	2,673	13.0	78.5	12
12	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertect	2,849	13.0	83.7	2
13	Becks	3559X2	3.5	RR/Xtend	Escalate	2,777	13.0	81.6	3
14	ASGROW	AG36X6	3.6	RR/Xtend	Acceleron	2,721	13.0	79.9	8
15	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	2,674	13.0	78.5	11
16	Becks	3779X2	3.8	RR/Xtend	Escalate	2,688	13.0	78.9	9
17	ASGROW	AG38X8	3.8	RR/Xtend	Acceleron	2,583	13.0	75.9	14
18	ASGROW	AG40X6	4.0	RR/Xtend	Acceleron	2,308	13.0	67.8	19
19	ASGROW	AG41X8	4.1	RR/Xtend	Acceleron	2,513	13.0	73.8	18
Plot Average:							13.0	78.2	

2018 Rainfall



Total Rainfall:
31.3"

Sunrise
COOPERATIVE
Success grows here.



Erie
County

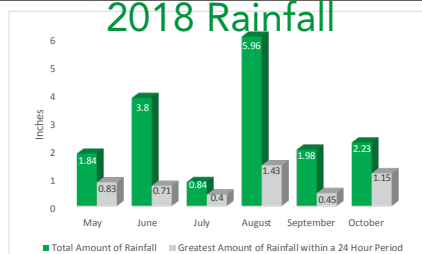
Planting Date: 5/21/18
Row Width: 15"

Planting Population: 155,000
Tillage: Conventional

Planting Depth: 1"
Harvest Date: 10/26/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	ASGROW	AG26X8	2.6	RR/Xtend	Acceleron	438	14.0	41.2	22
2	ASGROW	AG27X7	2.7	RR/Xtend	Acceleron	390	14.2	36.6	25
3	CROPLAN	RX2910	2.9	RR/Xtend	Warden CX + ILeVO	456	13.9	42.9	21
4	ASGROW	AG30X8	3.0	RR/Xtend	Acceleron	504	13.8	47.5	14
5	NK Brand	S31-Y2X	3.1	RR/Xtend	Clariva Complete + Mertect	458	13.1	43.5	20
6	CROPLAN	RX3100	3.1	RR/Xtend	Warden CX + ILeVO	490	13.6	46.3	18
7	ASGROW	AG32X8	3.2	RR/Xtend	Acceleron	420	13.6	39.7	24
8	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	466	13.3	44.2	19
9	NK Brand	S33-D7X	3.3	RR/Xtend	Clariva Complete + Mertect	436	14.1	40.9	23
10	ASGROW	AG33X8	3.3	RR/Xtend	Acceleron	544	13.6	51.4	12
11	ASGROW	AG34X9	3.4	RR/Xtend	Acceleron	496	13.4	46.9	17
12	NK Brand	34T2X	3.4	RR/Xtend	Clariva Complete + Mertect	500	13.7	47.2	16
13	CROPLAN	RX3556	3.5	RR/Xtend	Warden CX + ILeVO	608	14.1	57.1	6
14	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	616	14.2	57.8	5
15	ASGROW	AG36X6	3.6	RR/Xtend	Acceleron	592	14	55.6	9
16	NK Brand	37H5X	3.7	RR/Xtend	Clariva Complete + Mertect	604	13.7	57.0	7
17	ASGROW	AG38X8	3.8	RR/Xtend	Acceleron	634	14.1	59.5	4
18	NK Brand	39P5X	3.9	RR/Xtend	Clariva Complete + Mertect	506	14.2	47.5	15
19	Pioneer	38A98X	3.8	RR/Xtend	PPST/FST/IST	558	13.9	52.5	11
20	Pioneer	37A27X	3.7	RR/Xtend	PPST/FST/IST	644	13.5	60.9	2
21	Pioneer	34A13X	3.4	RR/Xtend	PPST/FST/IST	692	14.3	64.8	1
22	Pioneer	33A24X	3.3	RR/Xtend	PPST/FST/IST	646	14.2	60.6	3
23	Pioneer	31A22X	3.1	RR/Xtend	PPST/FST/IST	548	14.3	51.3	13
24	Pioneer	29A25X	2.9	RR/Xtend	PPST/FST/IST	564	14.6	52.6	10
25	Pioneer	28A94X	2.8	RR/Xtend	PPST/FST/IST	598	14.6	55.8	8
Plot Average:							13.9	50.5	

2018 Rainfall



Total Rainfall: 16.65"

HARDIN S-1

Soil Information:

O.M. %: 2.9 Soil pH: 6.4
 Soil Type: Silty Clay Loam CEC: 19.4



Planting Date: 5/8/18
 Row Width: 15"

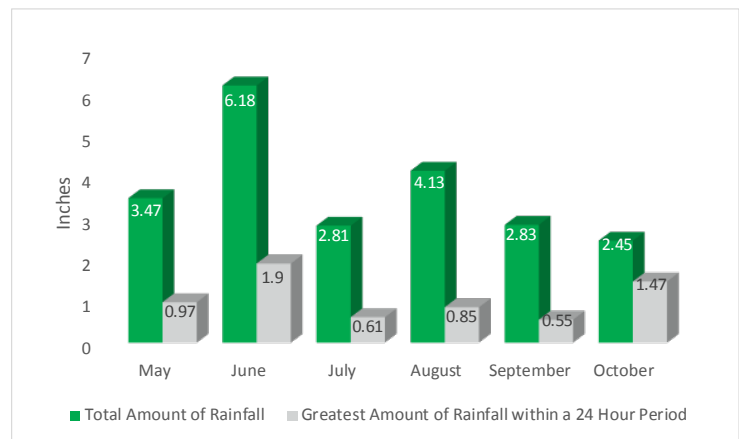
Planting Population: 180,000
 Tillage: Conservation

Planting Depth: 1 ¼"
 Harvest Date: 10/11/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	NK Brand	S21-W8X	2.1	RR/Xtend	Clariva Complete + Mertect	1,340	16.4	58.1	11
2	NK Brand	S27-M8X	2.7	RR/Xtend	Clariva Complete + Mertect	1380	16.0	60.1	10
3	NK Brand	S31-Y2X	3.1	RR/Xtend	Clariva Complete + Mertect	1,630	16.1	70.9	6
4	NK Brand	S33-D7X	3.3	RR/Xtend	Clariva Complete + Mertect	1,620	13.0	73.1	1
5	NK Brand	S34-T2X	3.4	RR/Xtend	Clariva Complete + Mertect	1,270	12.7	57.5	12
6	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertect	1,570	12.6	71.2	5
7	NK Brand	S37-H5X	3.7	RR/Xtend	Clariva Complete + Mertect	1,580	12.6	71.6	3
8	NK Brand	S39-P5X	3.9	RR/Xtend	Clariva Complete + Mertect	1,580	12.6	71.6	3
9	ASGROW	AG32X8	3.2	RR/Xtend	Acceleron	1,600	12.8	72.4	2
10	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	1,480	12.7	67.0	9
11	ASGROW	AG36X6	3.6	RR/Xtend	Acceleron	1,550	12.9	70.0	8
12	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	1,560	12.8	70.6	7
Plot Average:							13.6	67.9	



2018 Rainfall



Total Rainfall: 21.87"

HOLMES S-1



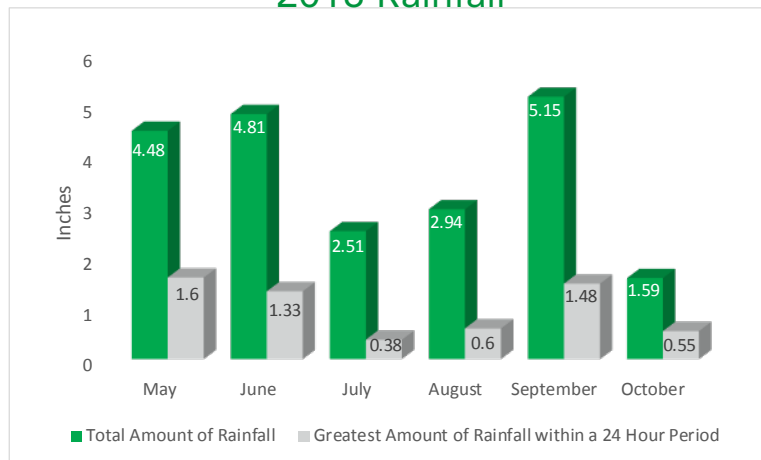
Planting Date: 4/30/18
Row Width: 15"

Planting Population: 140,000
Tillage: Conservation

Planting Depth: 1 ¼"
Harvest Date: 10/9/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	ASGROW	AG27X9	2.7	RR/Xtend	Acceleron	3,047	12.5	81.8	1
2	Pioneer	28T71X	2.8	RR/Xtend	PPST/FST/IST	2,925	11.8	79.2	6
3	ASGROW	AG28X9	2.8	RR/Xtend	Acceleron	2,950	12.5	79.2	5
4	ASGROW	AG30X8	3.0	RR/Xtend	Acceleron	2,930	12.5	78.7	7
5	CROPLAN	RX3100	3.1	RR/Xtend	Warden CX + ILeVO	2,993	12.6	80.3	2
6	CROPLAN	RX3337	3.3	RR/Xtend	Warden CX + ILeVO	2,975	12.3	80.1	3
7	ASGROW	AG33X8	3.3	RR/Xtend	Acceleron	2,880	12.6	77.3	8
8	ASGROW	AG34X9	3.4	RR/Xtend	Acceleron	2,985	12.8	79.9	4
9	ASGROW	AG35X9	3.5	RR/Xtend	Acceleron	2,595	12.8	69.5	11
10	ASGROW	AG36X6	3.6	RR/Xtend	Acceleron	2,760	12.8	73.9	10
11	ASGROW	AG37X9	3.7	RR/Xtend	Acceleron	2,875	13.0	76.8	9
Plot Average:							12.6	77.9	

2018 Rainfall



Total Rainfall: 21.48"

Sunrise
COOPERATIVE
Success grows here.

HOLMES S-2



Planting Date: 6/6/18
Row Width: 15"

Planting Population: 140,000
Tillage: Conservation

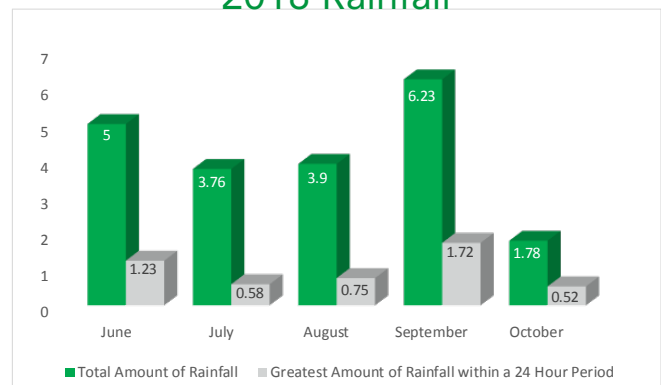
Planting Depth: 1 1/2"
Harvest Date: 10/23/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	CROPLAN	RX2700	2.7	RR/Xtend	Warden CX + ILeVO	1,840	12.3	58.5	13
2	ASGROW	AG27X9	2.7	RR/Xtend	Accelaron	1,947	12.2	62.0	3
3	Pioneer	28T71X	2.8	RR/Xtend	PPST/FST/IST	1,863	12.3	59.3	11
4	ASGROW	AG28X9	2.8	RR/Xtend	Accelaron	1,700	12.2	54.2	16
5	CROPLAN	RX2910	2.9	RR/Xtend	Warden CX + ILeVO	1,950	12.2	62.1	2
6	ASGROW	AG30X8	3.0	RR/Xtend	Accelaron	1,922	12.1	61.3	6
7	ASGROW	AG33X8	3.3	RR/Xtend	Accelaron	1,750	12.5	55.6	15
8	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	1,910	12.1	60.9	9
9	ASGROW	AG34X9	3.4	RR/Xtend	Accelaron	1,920	12.0	61.3	5
10	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertec	1,925	11.9	61.5	4
11	ASGROW	AG35X9	3.5	RR/Xtend	Accelaron	1,912	11.9	61.1	8
12	ASGROW	AG36X6	3.6	RR/Xtend	Accelaron	1,950	11.8	62.4	1
13	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	1,758	12.7	55.7	14
14	ASGROW	AG37X9	3.7	RR/Xtend	Accelaron	1,695	12.6	53.7	17
15	ASGROW	AG38X8	3.8	RR/Xtend	Accelaron	1,923	12.2	61.3	7
16	ASGROW	AG39X7	3.9	RR/Xtend	Accelaron	1,850	12.2	58.9	12
17	ASGROW	AG41X8	4.1	RR/Xtend	Accelaron	1,915	14.0	59.8	10
Plot Average:							12.3	59.4	



Total Rainfall: 20.67"

2018 Rainfall



SANDUSKY S-1

Soil Information:

O.M. %: 1.5 Soil pH: 6.0
 Soil Type: Sand CEC: 5



Planting Date: 5/30/18
 Row Width: 30"

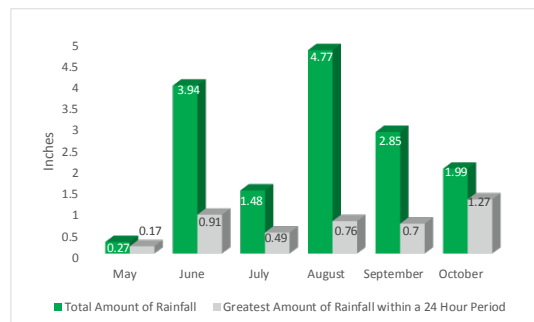
Planting Population: 135,000
 Tillage: Conventional

Planting Depth: 1 1/2"
 Harvest Date: 10/16/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	CROPLAN	RX2700	2.7	RR/Xtend	Warden CX + ILeVO	1,726	13.3	65.2	4
2	ASGROW	AG28X9	2.8	RR/Xtend	Acceleron	1,530	13.9	57.4	11
3	Pioneer	28T71X	2.8	RR/Xtend	PPST/FST/IST	1,660	13.6	62.5	9
4	CROPLAN	RX2910	2.9	RR/Xtend	Warden CX + ILeVO	1,670	13.9	62.6	8
5	ASGROW	AG30X8	3.0	RR/Xtend	Acceleron	1,750	13.7	65.8	3
6	NK Brand	S31-Y2X	3.1	RR/Xtend	Clariva Complete + Mertect	1,672	13.9	62.7	7
7	CROPLAN	RX3100	3.1	RR/Xtend	Warden CX + ILeVO	1,724	13.6	64.9	5
8	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	1,818	13.7	68.4	1
9	NK Brand	S33-D7X	3.3	RR/Xtend	Clariva Complete + Mertect	1,724	14.0	64.6	6
10	ASGROW	AG33X8	3.3	RR/Xtend	Acceleron	1,626	14.7	60.4	10
11	Pioneer	33T19X	3.3	RR/Xtend	PPST/FST/IST	1,428	13.8	53.6	17
12	ASGROW	AG34X9	3.4	RR/Xtend	Acceleron	1,502	14.0	56.3	12
13	NK Brand	S34-T2X	3.4	RR/Xtend	Clariva Complete + Mertect	1,496	13.9	56.1	14
14	CROPLAN	RX3500	3.5	RR/Xtend	Warden CX + ILeVO	1,468	13.6	55.3	15
15	CROPLAN	RX3556	3.5	RR/Xtend	Warden CX + ILeVO	1,296	14.1	48.5	20
16	ASGROW	AG35X9	3.5	RR/Xtend	Acceleron	1,396	13.8	52.4	18
17	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertect	858	13.9	54.8	16
18	ASGROW	AG36X6	3.6	RR/Xtend	Acceleron	798	14.4	50.7	19
19	CROPLAN	RX3660	3.6	RR/Xtend	Warden CX + ILeVO	1,048	14.2	66.7	2
20	ASGROW	AG38X8	3.8	RR/Xtend	Acceleron	880	13.9	56.2	13
Plot Average:							13.9	59.3	



Total Rainfall:
15.3"





Seneca
County

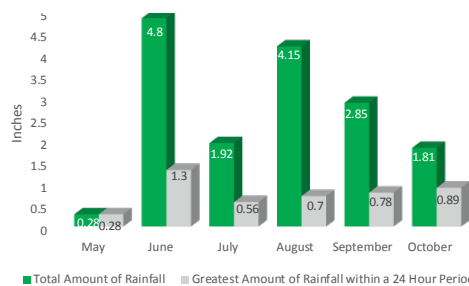
Planting Date: 5/30/18
Row Width: 15"

Planting Population: 136,000
Tillage: Conventional

Planting Depth: 1 ¼"
Harvest Date: 10/22/18

Entry	Brand	Hybrid	Trait	Seed Treatment	H,arvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	CROPLAN	R2C3300	RR2	Warden CX + ILeVO	1,000	12.6	68.9	23
2	NK Brand	21-W8X	RR/Xtend	Clariva Complete + Mertect	1,115	13.3	76.2	15
3	Agrigold	2505	RR/Xtend	Agroshield F/I	960	12.9	65.9	24
4	ASGROW	AG26X8	RR/Xtend	Accelaron	1,036	12.6	72.0	20
5	Agrigold	2711	RR/Xtend	Agroshield F/I	992	12.6	68.9	22
6	ASGROW	AG27X7	RR/Xtend	Accelaron	1,116	12.6	77.5	10
7	NK Brand	27-M8X	RR/Xtend	Clariva Complete + Mertect	1,078	13.1	74.5	18
8	Agrigold	2900	RR/Xtend	Agroshield F/I	1,130	13.1	78.0	9
9	CROPLAN	RX2910	RR/Xtend	Warden CX + ILeVO	1,146	12.4	79.8	6
10	Agrigold	3098	RR/Xtend	Agroshield F/I	912	12.1	64.6	25
11	ASGROW	AG30X8	RR/Xtend	Accelaron	1,066	12.7	76.1	16
12	CROPLAN	RX3100	RR/Xtend	Warden CX + ILeVO	1,060	13.2	76.4	14
13	CROPLAN	RX3300	RR/Xtend	Warden CX + ILeVO	1,106	12.7	80.9	4
14	ASGROW	AG32X8	RR/Xtend	Accelaron	986	13	71.9	21
15	AgriGold	3285	RR/Xtend	Agroshield F/I	1,064	13.3	77.1	12
16	CROPLAN	RX3360	RR/Xtend	Warden CX + ILeVO	1,194	12.8	86.7	1
17	ASGROW	AG33X8	RR/Xtend	Accelaron	1,100	13.1	79.6	7
18	Agrigold	3440	RR/Xtend	Agroshield F/I	1,198	12.9	86.6	2
19	ASGROW	AG34X6	RR/Xtend	Accelaron	1,010	12.1	73.7	19
20	Agrigold	3520	RR/Xtend	Agroshield F/I	1,058	12.5	76.6	13
21	CROPLAN	RX3556	RR/Xtend	Warden CX + ILeVO	1,100	12.1	80.0	5
22	Agrigold	3602	RR/Xtend	Agroshield F/I	1,092	13.4	78.3	8
23	ASGROW	AG36X6	RR/Xtend	Accelaron	1,034	12.3	74.8	17
24	ASGROW	AG38X8	RR/Xtend	Accelaron	1,174	13.4	83.9	3
25	CROPLAN	RX3300	RR/Xtend	Warden CX + ILeVO	1,070	12.1	77.4	11
Plot Average:						12.8	76.3	

Total Rainfall:
15.81"





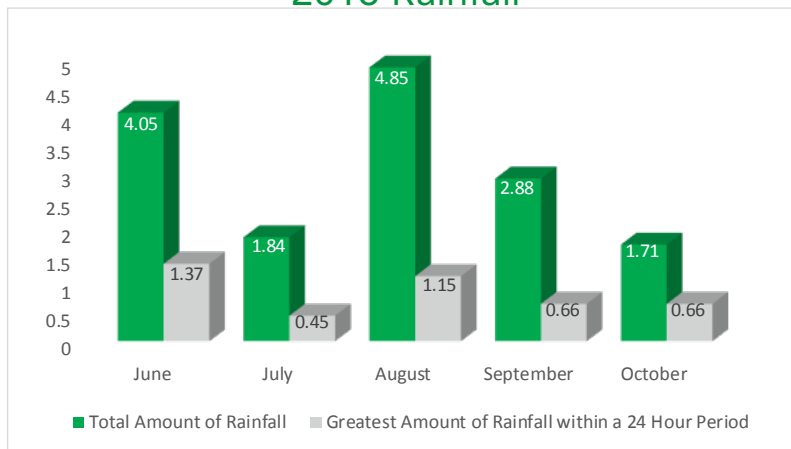
Planting Date: 6/8/18
Row Width: 30"

Planting Population: 120,000
Tillage: Conventional

Planting Depth: 2"
Harvest Date: 10/17/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushe/Acre	Yield Rank
1	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertect	403	13.5	67.3	7
2	NK Brand	S34T2X	3.4	RR/Xtend	Clariva Complete + Mertect	394	13.4	65.9	8
3	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	405	13.4	67.7	6
4	ASGROW	33X8	3.3	RR/Xtend	Acceleron	385	13.1	64.6	11
5	NK Brand	S33-D7X	3.3	RR/Xtend	Clariva Complete + Mertect	410	13.4	68.6	4
6	NK Brand	S31Y2X	3.1	RR/Xtend	Clariva Complete + Mertect	431	13.4	72.1	2
7	ASGROW	30X8	3.0	RR/Xtend	Acceleron	393	13.4	65.7	9
8	ASGROW	30X8	3.0	RR/Xtend	Acceleron	417	13.4	69.8	3
9	NK Brand	S33D7X	3.3	RR/Xtend	Clariva Complete + Mertect	410	13.4	68.6	4
10	NK Brand	S31Y2K	3.1	RR/Xtend	Clariva Complete + Mertect	441	13.5	73.7	1
11	CROPLAN	RX3360	3.3	RR/Xtend	Warden CX + ILeVO	370	13.4	61.9	12
12	ASGROW	33X8	3.3	RR/Xtend	Acceleron	365	13.5	61.0	13
13	NK Brand	S35-K9X	3.5	RR/Xtend	Clariva Complete + Mertect	390	13.5	65.2	10
Plot Average:							13.4	67.1	

2018 Rainfall



Total Rainfall: 15.33"

LIBERTY LINK SOYBEAN PLOT AVERAGES | COMBINED

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
Credenz	CZ 2928	6	74.54	105.57	1
Credenz	CZ 2810	6	73.81	103.92	2
Croplan	LC2900	3	70.68	102.91	3
Credenz	CZ 3601	7	72.07	102.51	4
Croplan	LC3150	7	72.03	102.34	5
Credenz	CZ 3118	3	73.58	101.75	6
Credenz	CZ 3548	4	69.46	101.2	7
Croplan	LC2676	2	76.49	100.99	8
Croplan	LC3900	3	73.03	100.68	9
Credenz	CZ 3233	7	70.82	100.62	10
NK	38-M3L	3	73.39	100.4	11
NK	28-C6L	6	70.96	100.16	12
Croplan	LC3600	4	68.77	99.99	13
NK	36-J9L	4	68.71	99.91	14
Credenz	CZ 2601	6	70.96	98.87	15
Croplan	LC3676	4	67.17	97.73	16
NK	35-G2L	4	66.92	97.3	17
NK	31-D2L	4	66.88	97.29	18
Credenz	CZ 2312	4	66.86	97.04	19

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, Credenz CZ 2928 has an average index of 105.57. Meaning, it performed 5.57 higher than what was considered the average yield across all plots the entry was in. Credenz CZ 2312 has an average index of 97.04. This means it only performed 2.96 lower than what was considered the average yield across all plots the entry was in.

LIBERTY LINK SOYBEAN PLOT AVERAGES | NORTH

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
Credenz	CZ 2810	4	71.28	103.76	1
Credenz	CZ 2928	4	70.79	103.44	2
Credenz	CZ 3601	5	69.77	102.03	3
CROPLAN	LC3150	5	69.54	101.4	4
CROPLAN	LC2900	4	69.2	101.09	5
NK Brand	36-J9L	5	69.13	100.84	6
CROPLAN	LC3600	5	68.82	100.36	7
Credenz	CZ 3233	5	68.49	99.96	8
Credenz	CZ 3548	5	68.38	99.87	9
NK Brand	28-C6L	4	68.12	99.12	10
CROPLAN	LC2676	4	67.17	97.73	11
NK Brand	38-M3L	4	66.59	97.64	12
NK Brand	31-D2L	5	66.7	97.31	13
Credenz	CZ 2312	4	66.86	97.04	14
NK Brand	35-G2L	5	66.38	96.8	15
Credenz	CZ 2601	4	68.18	96.77	16

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, Credenz CZ 2810 has an average index of 103.76. Meaning, it performed 3.76 higher than what was considered the average yield across all plots the entry was in. Credenz CZ 2601 has an average index of 96.77. This means it performed 3.23 lower than what was considered the average yield across all plots the entry was in.

Brand	Variety	# of Entries	Average Yield	Average Index	Rank
Credenz	CZ 2928	3	77.04	106.21	1
Credenz	CZ 2810	2	78.87	104.07	2
Credenz	CZ 3601	3	75.35	103.45	3
CROPLAN	LC3150	3	74.08	102.17	4
Credenz	CZ 3118	3	73.58	101.75	5
NK Brand	28-C6L	2	76.64	101.2	6
CROPLAN	LC2676	2	76.49	100.99	7
Credenz	CZ 2601	2	76.51	100.96	8
NK Brand	38-M3L	3	73.39	100.4	9
Credenz	CZ 3233	3	72.71	100.21	10
CROPLAN	LC3900	3	73.03	100.08	11

**Varieties are ranked based on index to average, not average yield. 100 is the average for all varieties across all plots.

For example, Credenz CZ 2928 has an average index of 106.21. Meaning, it performed 6.21 higher than what was considered the average yield across all plots the entry was in. CROPLAN LC3900 has an average index of 100.08. This means it only performed 0.08 higher than what was considered the average yield across all plots the entry was in.

AUGLAIZE LL-1

Soil Information:

O.M. %:
Soil Type:

Soil pH:
CEC:

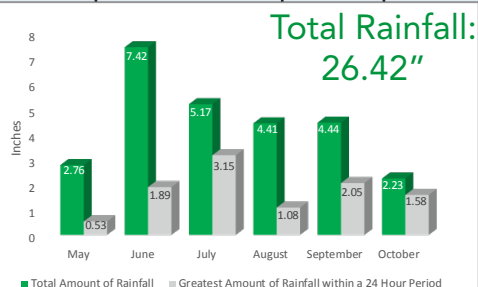


Planting Date: 5/7/18
Row Width: 30"

Planting Population: 144,000
Tillage: Conventional

Planting Depth: 1 1/2"
Harvest Date: 10/18/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	Credenz	CZ 2810	2.8	LL	Poncho, VOTIVO, ILeVO	490	13.0	83.9	1
2	CROPLAN	LC2676	2.6	LL	Warden CX + ILeVO	380	12.9	65.1	20
3	Credenz	CZ 2601	2.6	LL	Poncho, VOTIVO, ILeVO	420	13.0	71.9	16
4	NK Brand	28-C6L	2.8	LL	Cruiser Maxx + Vibrance	460	13.0	78.8	4
5	Credenz	CZ 2928	2.9	LL	Poncho, VOTIVO, ILeVO	460	13.1	78.7	5
6	Credenz	CZ 3118	3.1	LL	Poncho, VOTIVO, ILeVO	450	13.0	77.1	8
7	NK Brand	31-D2L	3.1	LL	Warden CX	430	12.9	73.7	13
8	CROPLAN	LC3150	3.1	LL	Warden CX + ILeVO	430	12.8	73.8	12
9	Credenz	CZ 3233	3.2	LL	Poncho, VOTIVO, ILeVO	440	12.7	75.6	10
10	NK Brand	35-G2L	3.5	LL	Cruiser Maxx + Vibrance	420	12.6	72.2	14
11	Credenz	CZ 3548	3.5	LL	Poncho, VOTIVO, ILeVO	420	12.6	72.2	14
12	NK Brand	36-J9L	3.6	LL	Warden CX	440	12.4	75.9	9
13	CROPLAN	LC3600	3.6	LL	Warden CX + ILeVO	410	12.3	70.8	17
14	Credenz	CZ 3601	3.6	LL	Poncho, VOTIVO, ILeVO	470	12.4	81.0	3
15	NK Brand	38-M3L	3.8	LL	Cruiser Maxx + Vibrance	480	12.3	82.9	2
16	Credenz	CZ 3841	3.8	LL	Poncho, VOTIVO, ILeVO	400	12.4	69.0	19
17	CROPLAN	LC3900	3.9	LL	Warden CX	450	12.9	77.1	7
18	Credenz	CZ 4105	4.1	LL	Poncho, VOTIVO, ILeVO	410	12.4	70.7	18
19	Credenz	CZ 2810	2.8	LL	Poncho, VOTIVO, ILeVO	430	12.6	74.0	11
20	CROPLAN	LC2676	2.6	LL	Warden CX + ILeVO	450	12.7	77.3	6
Plot Average:							12.7	75.1	



Sunrise
COOPERATIVE
Success grows here.

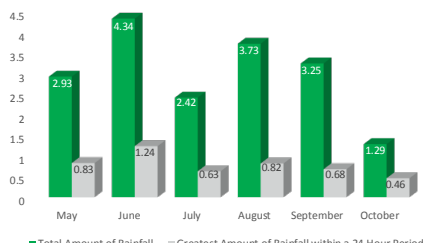


Planting Date: 5/2/18
Row Width: 15"

Planting Population: 165,000
Tillage: Conventional

Planting Depth: 2"
Harvest Date: 10/20/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	Credenz	CZ 2312	2.3	LL	Poncho, VOTIVO, ILeVO	1,155	12.6	65.4	21
2	Credenz	CZ 2601	2.6	LL	Poncho, VOTIVO, ILeVO	1,190	13.0	67.1	17
3	CROPLAN	LC2676	2.6	LL	Warden CX + ILeVO	1,160	13.1	65.4	20
4	Credenz	CZ 2810	2.8	LL	Poncho, VOTIVO, ILeVO	1,250	12.9	70.6	11
5	NK Brand	28-C6L	2.8	LL	Cruiser Maxx + Vibrance	1,145	12.9	64.8	24
6	Credenz	CZ 3118	3.1	LL	Poncho, VOTIVO, ILeVO	1,160	12.8	65.8	19
7	NK Brand	31-D2L	3.1	LL	Warden CX	1,150	13.1	65.2	23
8	CROPLAN	LC3150	3.1	LL	Warden CX + ILeVO	1,270	12.5	72.7	5
9	Credenz	CZ 3233	3.2	LL	Poncho, VOTIVO, ILeVO	1,250	13.0	71.3	7
10	NK Brand	35-G2L	3.5	LL	Cruiser Maxx + Vibrance	1,180	13.2	67.4	15
11	Credenz	CZ 3548	3.5	LL	Poncho, VOTIVO, ILeVO	1,210	13.2	69.2	13
12	NK Brand	36-J9L	3.6	LL	Warden CX	1,270	12.7	73.2	4
13	CROPLAN	LC3600	3.6	LL	Warden CX + ILeVO	1,805	12.7	71.9	6
14	Credenz	CZ 3601	3.6	LL	Poncho, VOTIVO, ILeVO	1,960	12.4	78.5	2
15	Becks	366L4	3.6	LL	Escalate	1,775	12.6	71.0	8
16	Credenz	CZ 3841	3.8	LL	Poncho, VOTIVO, ILeVO	1,720	12.3	69.1	14
17	Pioneer	37A56L	3.7	LL	PPST/FST/IST	2,035	12.4	81.7	1
18	Pioneer	37TO9L	3.7	LL	PPST/FST/IST	1,760	12.4	70.8	10
19	Pioneer	34T04LS	3.4	LL	PPST/FST/IST	1,500	12.9	60.0	26
20	Becks	338L4	3.3	LL	Escalate	1,670	12.6	67.1	16
21	Pioneer	31A06L	3.1	LL	PPST/FST/IST	1,880	12.7	75.6	3
22	Becks	296L4	2.9	LL	Escalate	1,730	12.9	69.5	12
23	Pioneer	29A85L	2.9	LL	PPST/FST/IST	1,760	12.7	70.9	9
24	Becks	264L4	2.6	LL	Escalate	1,550	12.8	62.5	25
25	Pioneer	25A82L	2.5	LL	PPST/FST/IST	1,630	12.4	66.1	18
26	AGI	36LLO	3.6	LL		2,410	12.5	65.2	22
Plot Average:							12.7	69.2	



Total Rainfall:
17.96"

Additional Comments:
Entry 26 was 2x longer in length than rest of varieties.

GREENE LL-1

Soil Information:

O.M. %: 1.8 Soil pH: 6.2
Soil Type: Sandy Clay Loam



Planting Date: 5/14/18
Row Width: 7.5"

Planting Population: 160,000
Tillage: No-Till

Planting Depth: 1" drilled
Harvest Date: 10/8/18

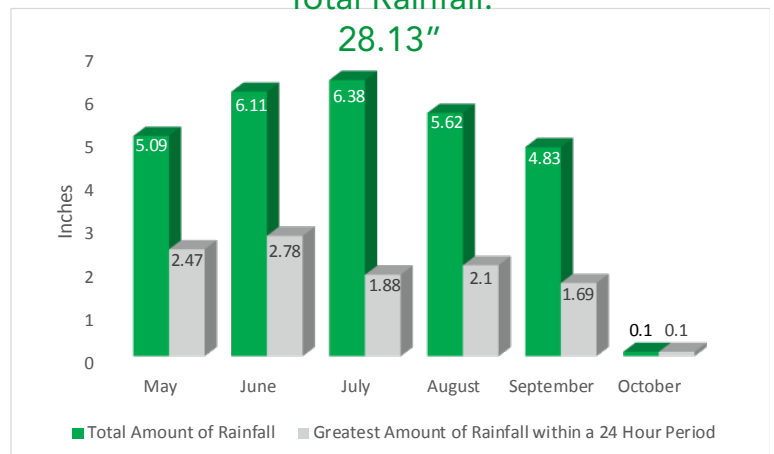
Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	CROPLAN	LC2900	2.9	LL	Warden CX + ILeVO	874	12.0	71.1	4
2	Credenz	CZ 2928	2.9	LL	Poncho/VOTiVO, ILeVO	918	12.0	74.7	2
3	Credenz	CZ 3118	3.1	LL	Poncho/VOTiVO, ILeVO	924	12.0	76.0	1
4	NK Brand	31-D2L	3.1	LL	Warden CX	812	12.5	66.4	7
5	CROPLAN	LC3150	3.1	LL	Warden CX + ILeVO	880	12.5	72.6	3
6	Credenz	CZ 3233	3.2	LL	Poncho/VOTiVO, ILeVO	850	13.0	69.7	5
7	NK Brand	35-G2L	3.5	LL	Cruiser Maxx + Vibrance	794	13.5	64.8	9
8	Credenz	CZ 3548	3.5	LL	Poncho/VOTiVO, ILeVO	730	13.0	60.4	14
9	NK Brand	36-J9L	3.6	LL	Warden CX	784	13.5	64.5	10
10	CROPLAN	LC3600	3.6	LL	Warden CX + ILeVO	762	13.5	62.7	12
11	Credenz	CZ 3601	3.6	LL	Poncho/VOTiVO, ILeVO	802	13.5	66.0	8
12	NK Brand	38-M3L	3.5	LL	Cruiser Maxx + Vibrance	702	13.5	57.9	15
13	Credenz	CZ 3841	3.8	LL	Poncho/VOTiVO, ILeVO	760	13.5	63.3	11
14	CROPLAN	LC3900	3.9	LL	Warden CX + ILeVO	732	13.5	61.3	13
15	Credenz	CZ 4105	4.1	LL	Poncho/VOTiVO, ILeVO	824	14.0	68.8	6
Plot Average:							13.0	66.7	

Additional Comments:

-Entries 7, 8 and 14 had sprayer tracks.



Total Rainfall: 28.13"



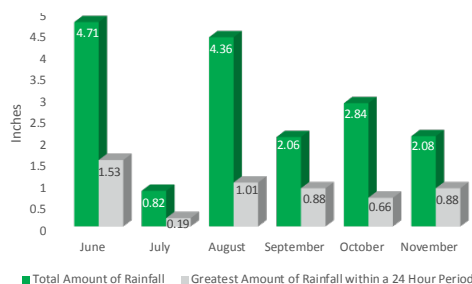


Planting Date: 6/5/18
Row Width: 15"

Planting Population: 140,000
Tillage: Conservation

Planting Depth: 1 1/2"
Harvest Date: 11/23/18

Entry	Brand	Hybrid	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	Stine	25LH62	LL	Intego Suite (F&I)	1,678	19.2	67.3	8
2	Gro-Mor	28L35	LL	Untreated	1,689	19	68.0	7
3	Stine	28LF32	LL	Intego Suite (F&I)	1,719	19.2	69.0	6
4	CROPLAN	LC2900	LL	Warden CX + ILeVO	1,616	19.3	64.8	16
5	Credenz	CZ 2928	LL	Poncho/VOTiVO, ILeVO	1,671	19.2	67.1	9
6	NuTech	3309L	LL	Smartcoat	1,652	19.3	66.2	11
7	NK Brand	31-D2L	LL	Warden CX	1,642	19.1	66.0	12
8	Stine	31LE32	LL	Intego Suite (F&I)	1,611	19.4	64.5	17
9	CROPLAN	LC3150	LL	Warden CX + ILeVO	1,637	19.2	65.7	14
10	Stine	31LI32	LL	Intego Suite (F&I)	1,644	19.2	66.0	13
11	Gro-Mor	32L27	LL	Intego Suite, Avail, N Force	1,672	19.3	67.0	10
12	Credenz	CZ 3233	LL	Poncho/VOTiVO, ILeVO	1,621	19.5	64.8	15
13	NuTech	3341L	LL	Smartcoat	1,575	19.5	63.0	21
14	Gro-Mor	34L55	LL	Intego Suite, Avail, N Force	1,614	19.8	64.3	18
15	NK Brand	35-G2L	LL	Cruiser Maxx + Vibrance	1,608	19.6	64.2	19
16	Credenz	CZ3548	LL	Poncho/VOTiVO, ILeVO	1,606	19.7	64.1	20
17	Stine	36LE32	LL	Intego Suite (F&I)	1,782	19.5	71.3	1
18	NK Brand	36-J9L	LL	Warden CX	1,776	19.7	70.8	2
19	CROPLAN	LC3600	LL	Warden CX + ILeVO	1,732	19.8	69.0	5
20	Credenz	CZ 3601	LL	Poncho/VOTiVO, ILeVO	1,767	19.8	70.4	3
21	NK Brand	38-M3L	LL	Cruiser Maxx + Vibrance	1,758	19.9	69.9	4
Plot Average:						19.4	66.8	



Total Rainfall:
16.87"

SANDUSKY LL-1

Soil Information:

O.M. %: 2.3 Soil pH: 6.7
 Soil Type: Sandy Clay Loam CEC: 11.6



Sandusky
County

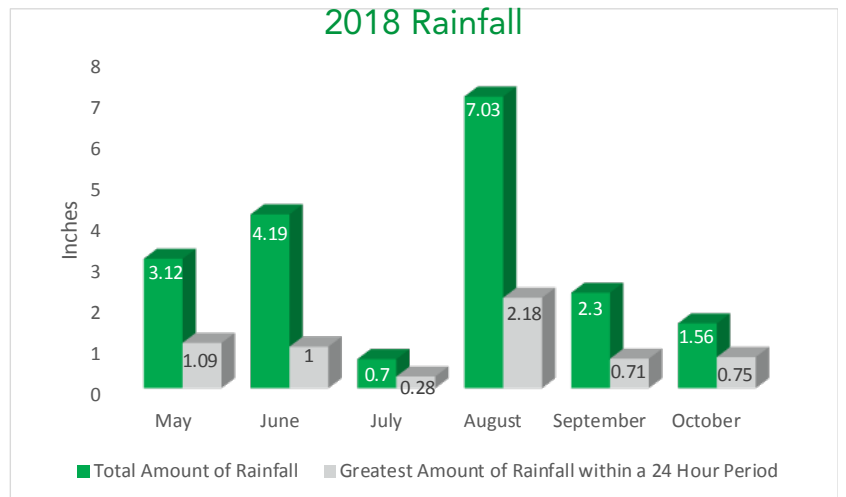
Planting Date: 6/7/18
 Row Width: 30"

Planting Population: 134,000
 Tillage: Conservation

Planting Depth: 1"
 Harvest Date: 10/24/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	Credenz	CZ 2312	2.3	LL	Poncho/VOTiVO, ILeVO	718	12.1	77.5	2
2	Credenz	CZ 2601	2.6	LL	Poncho/VOTiVO, ILeVO	632	11.9	68.3	14
3	CROPLAN	LC2676	2.6	LL	Warden CX + ILeVO	664	11.9	71.8	12
4	Credenz	CZ 2810	2.8	LL	Poncho/VOTiVO, ILeVO	688	12.2	74.1	5
5	NK Brand	28-C6L	2.8	LL	Cruiser Maxx + Vibrance	678	11.8	73.4	7
6	CROPLAN	LC2900	2.9	LL	Warden CX + ILeVO	694	11.9	75.0	4
7	Credenz	CZ 2928	2.9	LL	Poncho/VOTiVO, ILeVO	734	12.3	79.0	1
8	NK Brand	31-D2L	3.1	LL	Warden CX	678	11.9	73.3	8
9	CROPLAN	LC3150	3.1	LL	Warden CX + ILeVO	706	11.8	76.4	3
10	Credenz	CZ 3233	3.2	LL	Poncho/VOTiVO, ILeVO	674	11.7	73.0	9
11	NK Brand	35-G2L	3.5	LL	Cruiser Maxx + Vibrance	686	12.1	74.0	6
12	Credenz	CZ 3548	3.5	LL	Poncho/VOTiVO, ILeVO	674	12.3	72.5	11
13	NK Brand	36-J9L	3.6	LL	Warden CX	666	13.2	70.9	13
14	CROPLAN	LC3600	3.6	LL	Warden CX + ILeVO	682	12.9	72.9	10
15	NK Brand	38-M3L	3.8	LL	Cruiser Maxx + Vibrance	598	12.2	64.4	16
16	Credenz	CZ 3601	3.6	LL	Poncho/VOTiVO, ILeVO	606	12.0	65.4	15
Plot Average:							12.1	72.6	

Total Rainfall:
18.9"



SANDUSKY LL-2

Soil Information:

O.M. %: 2.2 Soil pH: 6.5
Soil Type: Medium Loam CEC: 12



Planting Date: 5/24/18
Row Width: 7.5"

Planting Population: 180,000
Tillage: No-Till

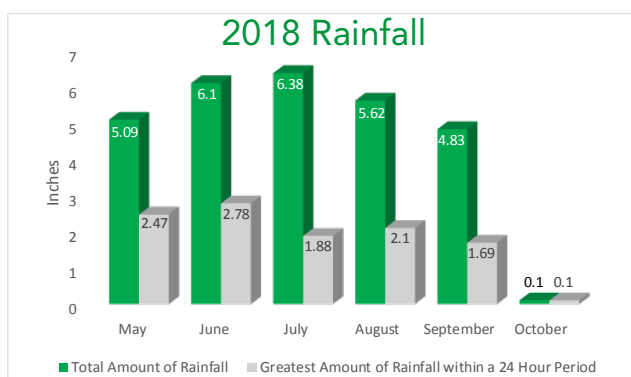
Planting Depth: 1 3/4"
Harvest Date: 10/16/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	Credenz	CZ 2312	2.3	LL	Poncho/VOTiVO, ILeVO	2,024	15.3	67.9	17
2	Credenz	CZ 2601	2.6	LL	Poncho/VOTiVO, ILeVO	2,096	15.2	70.4	11
3	CROPLAN	LC2676	2.6	LL	Warden CX + ILeVO	2,090	14.5	70.8	9
4	Credenz	CZ 2810	2.8	LL	Poncho/VOTiVO, ILeVO	2,230	14.7	75.4	2
5	NK Brand	28-C6L	2.8	LL	Cruiser Maxx + Vibrance	2,154	15.4	72.2	5
6	CROPLAN	LC2900	2.9	LL	Warden CX + ILeVO	2,208	14.2	75.0	3
7	Credenz	CZ 2928	2.9	LL	Poncho/VOTiVO, ILeVO	2,150	14.5	72.8	4
8	NK Brand	31-D2L	3.1	LL	Warden CX	2,020	14.5	68.4	15
9	CROPLAN	LC3150	3.1	LL	Warden CX + ILeVO	2,100	14.5	71.1	7
10	Pioneer	31A06	3.1	LL	PPST/FST/IST	2,254	14.9	76.0	1
11	Credenz	CZ 3233	3.2	LL	Poncho/VOTiVO, ILeVO	2,070	14.2	70.4	12
12	Pioneer	34T04	3.4	LL	PPST/FST/IST	2,028	15.2	68.1	16
13	NK Brand	35-G2L	3.5	LL	Cruiser Maxx + Vibrance	1,984	14.6	67.1	18
14	Credenz	CZ 3548	3.5	LL	Poncho/VOTiVO, ILeVO	2,112	15.2	70.9	8
15	NK Brand	36-J9L	3.6	LL	Warden CX	2,092	13.8	71.4	6
16	CROPLAN	LC3600	3.6	LL	Warden CX + ILeVO	2,066	13.8	70.5	10
17	Credenz	CZ 3601	3.6	LL	Poncho/VOTiVO, ILeVO	2,038	14.0	69.4	13
18	NK Brand	38-M3L	3.8	LL	Cruiser Maxx + Vibrance	2,020	13.8	69.0	14
Plot Average:						14.6	70.9		

Additional Comments:
Entry 10 had mold.



Total Rainfall:
28.12"



SENECA LL-1



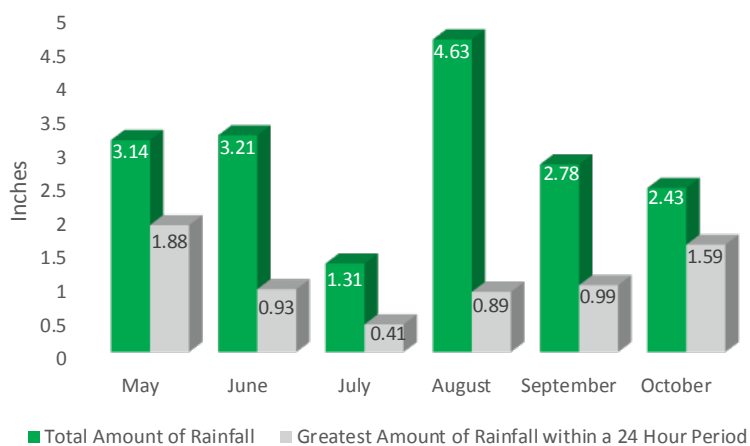
Planting Date: 5/18/18
Row Width: 30"

Planting Population: 130,000
Tillage: Conventional

Planting Depth: 1 1/2"
Harvest Date: 10/18/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	Credenz	CZ 2312	2.3	LL	Poncho, VOTIVO, ILeVO	830	11.5	56.8	16
2	Credenz	CZ 2601	2.6	LL	Poncho, VOTIVO, ILeVO	980	11.4	67.1	1
3	CROPLAN	LC2676	2.6	LL	Warden CX + ILeVO	890	11.5	60.9	11
4	Credenz	CZ 2810	2.8	LL	Poncho, VOTIVO, ILeVO	956	11.8	65.2	4
5	NK Brand	28-C6L	2.8	LL	Cruiser Maxx + Vibrance	910	11.5	62.2	8
6	CROPLAN	LC2900	2.9	LL	Warden CX + ILeVO	908	11.6	62.0	9
7	Credenz	CZ 2928	2.9	LL	Poncho, VOTIVO, ILeVO	942	11.6	64.3	5
8	NK Brand	31-D2L	3.1	LL	Warden CX	888	11.4	60.8	12
9	CROPLAN	LC3150	3.1	LL	Warden CX + ILeVO	906	11.5	62.0	10
10	Credenz	CZ 3233	3.2	LL	Poncho, VOTIVO, ILeVO	926	11.9	63.0	7
11	NK Brand	35-G2L	3.5	LL	Cruiser Maxx + Vibrance	864	11.2	59.3	15
12	Credenz	CZ 3548	3.5	LL	Poncho, VOTIVO, ILeVO	952	11.3	65.2	2
13	NK Brand	36-J9L	3.6	LL	Warden CX	868	11.3	59.5	14
14	CROPLAN	LC3600	3.6	LL	Warden CX + ILeVO	876	11.6	59.8	13
15	Credenz	CZ 3601	3.6	LL	Poncho, VOTIVO, ILeVO	955	11.6	65.2	3
16	NK Brand	38-M3L	3.8	LL	Cruiser Maxx + Vibrance	924	11.5	63.2	6
Plot Average:							11.5	62.3	

2018 Rainfall



Sunrise
COOPERATIVE
Success grows here.

Total Rainfall:
17.5"

SHELBY LL-1

Soil Information:

O.M. %: 2.8 Soil pH: 7.3
Soil Type: Clay Loam



Shelby
County

Planting Date: 5/9/18
Row Width: 7.5"

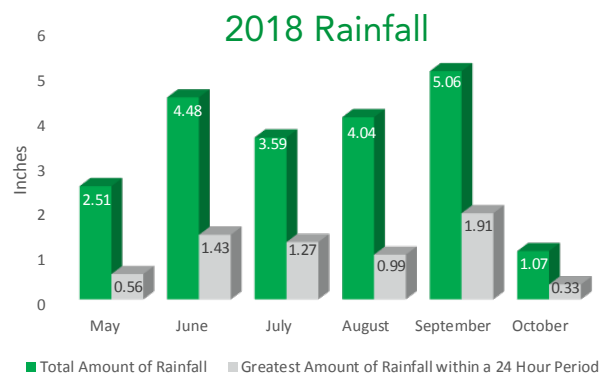
Planting Population: 170,000
Tillage: No-Till

Planting Depth: 1 1/2"
Harvest Date: 10/23/18

Entry	Brand	Hybrid	Relative Maturity	Trait	Seed Treatment	Harvest Weight	Harvest Moisture %	Bushel/Acre	Yield Rank
1	Credenz	CZ 2601	2.6	LL	Poncho/VOTiVO, ILeVO	1068	12.4	81.1	2
2	CROPLAN	LC2676	2.6	LL	Warden CX + ILeVO	980	12.4	75.7	11
3	Credenz	CZ 2810	2.8	LL	Poncho/VOTiVO, ILeVO	1068	12.5	83.8	1
4	NK Brand	28-C6L	2.8	LL	Cruiser Maxx + Vibrance	936	12.7	74.5	13
5	CROPLAN	LC2900	2.9	LL					
6	Credenz	CZ 2928	2.9	LL	Poncho/VOTiVO, ILeVO	960	12.6	77.9	8
7	Credenz	CZ 3118	3.1	LL	Poncho/VOTiVO, ILeVO	820	12.6	67.7	17
8	NK Brand	31-D2L	3.1	LL	Warden CX	838	12.7	70.4	15
9	CROPLAN	LC3150	3.1	LL	Warden CX + ILeVO	886	12.6	75.9	10
10	Credenz	CZ 3233	3.2	LL	Poncho/VOTiVO, ILeVO	836	12.7	72.9	14
11	NK Brand	35-G2L	3.5	LL	Cruiser Maxx + Vibrance	772	13	68.3	16
12	Credenz	CZ 3548	3.5	LL	Poncho/VOTiVO, ILeVO	826	13	74.6	12
13	NK Brand	36-J9L	3.6	LL	Warden CX	826	12.9	76.1	9
14	CROPLAN	LC3600	3.6	LL	Warden CX + ILeVO	846	12.9	79.6	5
15	Credenz	CZ 3601	3.6	LL	Poncho/VOTiVO, ILeVO	822	12.7	79.1	7
16	NK Brand	38-M3L	3.8	LL	Cruiser Maxx + Vibrance	810	12.9	79.4	6
17	Credenz	CZ 3841	3.8	LL	Poncho/VOTiVO, ILeVO	806	13.1	80.6	4
18	CROPLAN	LC3900	3.9	LL	Warden CX + ILeVO	790	13.1	80.7	3
Plot Average:						12.8	76.4		



Total Rainfall:
20.75"



TRADEMARK OWNERSHIP

Trademarks of AgReliant Genetics: AgriGold, Great Lakes Hybrids, LG Seeds

Trademarks of BASF Corporation: Vault

Trademarks of Bayer CropScience: Credenz, LibertyLink

Trademarks of Becks Hybrids: Escalate

Trademarks of Corteva AgriSciences: DuPont Pioneer

Trademarks of Dow AgroSciences LLC: Mycogen

Trademarks of French's Hybrids

Trademarks of Monsanto Technology LLC: ASGROW , DEKALB & Stewart

Trademarks of PCT | Sunrise: AdjuTec, BioBuild, FolrFeed, GrainMaker, NutraBurst & StandUp

Trademarks of Precision Planting LLC FurrowJet

Trademarks of Schlessman Hybrids

Trademarks of Seed Consultants, Inc.

Trademarks of Stine Seed Company

Trademarks of Syngenta: NK Brand

Trademarks of Winfield United: CROPLAN

Sunrise
COOPERATIVE
Success grows here.