

TECHNOLOGY

JACOBSEN SEED IOWA SHOWCASE FIELD

FARM:	Iowa Showcase Field	DATE PLANTED:	5/9/2017
LOCATION:	Lake View, IA	DATE HARVESTED:	9/29/2017
COUNTY:	Sac	PLANTING RATE:	160,000
ENTRIES:	15	ROW WIDTH:	30

VARIETY	RANK	Yield @ 13% Moisture BU/ACRE	% H2O
FRONT			
Jacobsen 669NR2	1	66.2	13.0
Jacobsen 740NR2	2	62.8	13.0
Jacobsen 764NR2	9	55.5	12.7
Jacobsen 856R2	12	53.1	12.5
Jacobsen 847NR2	10	55.1	12.3
Jacobsen 846GT	14	46.7	12.8
Jacobsen 761NR2X	7	56.4	12.1
Jacobsen 774NR2X	6	58.4	11.9
Jacobsen 878NR2X	4	60.1	12.1
Jacobsen 879NR2X	5	58.5	12.1
Jacobsen 960NR2X	11	54.0	12.1
Jacobsen 3659LL	15	41.6	12.3
Jacobsen 3755LL	13	47.2	12.3
Jacobsen 3876LL	8	56.0	12.0
Jacobsen 3858LL	3	61.2	12.2

This plot received 80# of K nutrient this spring but rain and soil type were the two big factors this season. From emergence to August 1st the Ulmer plot received 5.7" of rain and an additional 5.3" from August 1st to September 1st. We have left this plot in entry order (from North to South) and you can see two groups of 3 low yields. These entries sit on hillsides that, due to erosion, have a rockier/sandier soil. The dryness this summer effected these numbers much more.

CLAY CO. GROWERS PLOT

NORTHWEST IOWA - SPENCER ROUNDUP PLOT 24 OUT OF 24 ENTRIES

COUNTY: Clay
DATE PLANTED: 5/16/2017
DATE HARVESTED: 10/17/2017
PLANTING RATE: 150,000
ROW WIDTH: 30"

VARIETY	RANK	BU/ACRE	% H2O
Dairyland 1950	1	74.26	12.8
Beck's 185R2	2	73.19	12.9
Jacobsen Seed 669NR2	3	73.12	12.6
Asgrow AG2035	4	71.97	12.8
Jacobsen Seed 764NR2	5	71.89	12.5
Asgrow AG2636	6	71.64	13.3
Dairyland 2330	7	71.4	12.6
Wensman W3226NR2	8	71.23	12.3
Dairyland 2616	10	71.03	15.0
Wensman W3201NR2	11	70.98	12.6
Legend LS20R524N	12	70.9	12.7
Pfister 18R201	13	70.9	12.2
Pfister 29R25	14	70.89	14.3
Jacobsen Seed 740NR2	15	70.82	12.8
Pfister 20R23	15	70.82	12.8
Dairyland 2110	17	70.66	12.5
Pfister 21R205	18	70.24	12.5
Pfister 24R201	19	69.92	12.5
Dairyland 1870	21	69.41	12.0
Asgrow AG1636	22	69.19	12.9
Pfister 14R203	23	67.24	13.2
Syngenta S20-T6	24	67.05	12.7

For a complete list visit www.claycountygrowers.com

CLAY CO. GROWERS PLOT

NORTHWEST IOWA - SPENCER XTEND PLOT TOP 22 OUT OF 36

COUNTY: Clay
DATE PLANTED: 5/16/2017
DATE HARVESTED: 10/17/2017
PLANTING RATE: 150,000
ROW WIDTH: 30"

VARIETY	RANK	BU/ACRE	% H2O
Hefty H20X7	1	73.7	12.2
Asgrow AG20X7	2	72.5	11.8
Golden Harvest GH2041X	3	72.4	11.9
Channel 1917R2X	4	72.3	12.0
Legend LS21X705N	5	72.2	12.1
Wensman W1218NRX	6	72.1	12.3
Channel 2416R2X	7	72.1	12.1
Jacobsen Seed 774NR2X	8	72.0	12.4
Asgrow AG24X7	9	72.0	13.4
Wensman W1208NRX	10	71.6	12.5
Channel 2218R2X	11	71.6	12.1
Golden Harvest GH2230X	12	71.3	11.7
Golden Harvest GH2788X	13	71.2	12.5
Golden Harvest GH1915X	14	71.1	12.3
Legend LS20X746N	15	71.0	12.8
Legend LS 24X842N	16	71.0	12.6
Channel 2418R2X	17	70.9	12.2
Jacobsen Seed 761NR2X	18	69.8	12.0
Channel 2017R2X	19	69.4	12.5
Legend LS23X632N	20	69.2	11.8
Golden Harvest GH2537X	21	69.0	12.0
Asgrow Check	22	68.9	12.1

For a complete list visit www.claycountygrowers.com

PLOT DATA SOYBEANS

NORTH CENTRAL IOWA

FARM: Fett Grain & Livestock **DATE PLANTED:** 5/12/2017
LOCATION: Nora Springs, Iowa **DATE HARVESTED:** 10/9/2017
COUNTY: Cerro Gordo **PLANTING RATE:** 148,000
ENTRIES: 21 **ROW WIDTH:** 30"

VARIETY	RANK	Yield @ 13% Moisture BU/ACRE	% H2O
Jacobsen 669NR2	1	59.1	13.8
Rob-See-Co IS2242	2	58.7	13.2
Cornelius 22R34	3	57.9	12.6
Rob-See-Co IS1768	4	57.5	12.7
Cornelius 19R71	5	57.2	13.5
Rob-See-Co IS2435	6	56.5	12.5
Jacobsen 764NR2	7	55.9	13.3
Jacobsen 740NR2	8	55.6	13.6
Cornelius 22R34	9	55.4	12.8
Cornelius 20R44	10	55.2	13.4
Cornelius 22R88	11	54.2	13.4
Jacobsen 678NR2X	12	54.0	13.0
Jacobsen 774NR2X	13	53.8	13.7
Cornelius 22R34	14	53.5	12.8
Jacobsen 761NR2X	15	53.0	13.2
Cornelius 22X73	16	53.0	13.5
Cornelius 18x80	17	52.9	13.5
Cornelius 20X56	18	52.7	14.0
Cornelius 23X45	19	52.6	12.3
Cornelius 24R82	20	52.0	13.3
Cornelius 24X64	21	50.1	12.3

This plot is situated on productive glacial soils and had an uneventful but good year after planting. According to Climate FieldView this plot received 15.9 inches of rain from planting to September 1st, with only 2.9 inch of that coming between August 1st and September 1st.

FIRST TRIALS

NORTHWEST IOWA - HARTLEY

TOP 22 OUT OF 54 | RM 2.1-2.4

COUNTY: O'Brien PLANTING RATE: 155,400
 DATE PLANTED: 5/13/2017 ROW WIDTH: 30"
 DATE HARVESTED: 10/13/2017

VARIETY	TRAIT	RANK	BU/ACRE	% H2O
Channel 2218R2X	RRX	1	71.1	13.5
Golden Harvest GH2041X	RRX	2	70.8	13.5
Kruger K2X-2261	RRX	3	70.0	13.7
Champion 24R87N	RR2Y	4	69.0	13.8
Jacobsen Seed 761NR2X	RRX	5	68.6	13.5
Federal F2280NR2X	RRX	6	68.1	13.9
Jacobsen Seed 774NR2X	RRX	7	67.0	13.6
LG Seeds C2255R2	RR2Y	8	66.8	13.6
Pfister 21R205	RR2Y	9	66.7	13.5
Pfister 24R201	RR2Y	10	66.6	13.7
Titan Pro TP-24R26	RR2Y	11	66.6	14.0
Golden Harvest GH1852X §	RRX	12	66.5	13.4
Champion 22R38N	RR2Y	13	66.5	14.1
Channel 2108R2	RR2Y	14	66.4	13.6
Asgrow AG24X7	RRX	15	66.2	13.6
Prairie Brand PB-2197R2	RR2Y	16	65.9	13.6
Prairie Brand PB-2486R2	RR2Y	17	65.9	13.6
Champion 21X77N	RRX	18	65.9	14.0
Champion 24X98N	RRX	19	65.8	13.6
Stine 24RH62	RR2Y	20	65.1	13.8
Titan Pro TP-21X46	RRX	21	65.0	13.5
LG Seeds C2441R2	RR2Y	22	64.6	13.9

For a complete list of this plot visit www.firstseedtests.com

Seasonal rainfall totals from planting through R6 on Sept 10 ended about 0.5" above the 30-yr average for this area. Most rain occurred after seed fill. 3.8" rainfall during vegetative stages, 0.7" from bloom through full pod and 8.2" from beginning seed through maturity. An Aug. 18 storm dropped 2+" hail. Crop damage estimate was 18%. White mold was prevalent throughout the plot.

FIRST TRIALS

NORTH CENTRAL IOWA - LAURENS

TOP 22 OUT OF 54 | RM 2.1-2.5

COUNTY: Pocahontas PLANTING RATE: 141,000
DATE PLANTED: 5/26/2017 ROW WIDTH: 30"
DATE HARVESTED: 10/18/2017

VARIETY	TRAIT	RANK	BU/ACRE	% H2O
Jacobsen Seed 761NR2X	RRX	1	70.8	13.1
Hefty H25X8	RRX	2	68.0	13.3
Asgrow AG21X7	RRX	3	67.9	13.2
Dairyland DSR-2110/R2Y	RR2Y	4	67.3	13.2
Renk RS248NX	RRX	5	67.2	13.3
LG Seeds C2441R2	RR2Y	6	67.1	13.5
FS HiSoy HS 25X70	RRX	7	66.7	13.1
Latham L2484R2X	RRX	8	66.7	13.4
Kruger K2X-2152	RRX	9	66.6	13.1
Asgrow AG23X8	RRX	10	66.1	13.0
Hefty H22X7	RRX	11	65.8	13.2
Latham L2228R2	RR2Y	12	65.7	13.1
Asgrow AG24X7	RRX	13	65.5	13.2
FS HiSoy HS 22X70	RRX	14	65.3	13.6
Renk RS228NX	RRX	15	65.0	13.2
Pfister 21R205	RR2Y	16	64.8	13.2
Titan Pro TP-24X87	RRX	17	64.8	13.3
Golden Harvest GH2537X	RRX	18	64.5	14.0
Cornelius CB24R82	RR2Y	19	64.3	13.1
Pfister 24R201	RR2Y	20	64.3	13.3
Dairyland DSR-2330/R2Y	RR2Y	21	64.2	13.2
NK Brand S22-S1	RR2Y	22	64.0	13.2

For a complete list of this plot visit www.firstseedtests.com

Amazing what late season rain can do for a bean crop, struggling through dry conditions into much of July. Pods per node were few. However, seed size was large and gave yields a little boost. Through the season, 4" came during vegetative stages, 1.2" from bloom to full pod and 10.1" from beginning seed to maturity. Rainfall totals, planting to R6, ended about 6" below the area 30-yr average.

NORTH CENTRAL IOWA - LAURENS

TOP 22 OUT OF 45 | RM 2.6-2.9

COUNTY: Pocahontas PLANTING RATE: 141,000
 DATE PLANTED: 5/26/2017 ROW WIDTH: 30"
 DATE HARVESTED: 10/18/2017

VARIETY	TRAIT	RANK	BU/ACRE	% H2O
FS HiSoy 27X60	RRX	1	66.1	13.3
Jacobsen Seed 876NR2X	RRX	2	65.9	13.5
Champion 28R85N	RR2Y	3	65.7	13.4
Latham L2887R2X	RRX	4	65.3	13.3
Pioneer P27T59R	RR	5	64.7	13.3
Titan Pro TP-28X47	RRX	6	64.6	13.6
Kruger K2X-2852	RRX	7	64.4	13.5
Kruger K2X-2863	RRX	8	64.4	13.5
LG Seeds C2888RX	RRX	9	64.3	13.4
Champion 26X98N	RRX	10	64.0	13.3
Hefty H29X8	RRX	11	63.8	13.3
Hefty H28X8	RRX	12	63.7	13.1
Latham L2982EXGT	BG	13	63.6	13.5
Renk RS268NX	RRX	14	63.5	13.2
Jacobsen Seed 878NR2X	RRX	15	63.5	13.5
Hefty H27X6	RRX	16	63.1	13.4
Cornelius CB27X81	RRX	17	63.0	13.4
Stine 28RH02	RR2Y	18	63.0	13.6
Cornelius CB28X73	RRX	19	62.8	13.3
Kruger K2X-2652	RRX	20	62.7	13.6
Channel 2617R2X	RRX	21	62.4	13.5
Renk RS288NX	RRX	22	62.4	13.6

For a complete list of this plot visit www.firstseedtests.com

Amazing what late season rain can do for a bean crop, struggling through dry conditions into much of July. Pods per node were few. However, seed size was large and gave yields a little boost. Through the season, 4" came during vegetative stages, 1.2" from bloom to full pod and 10.1" from beginning seed to maturity. Rainfall totals, planting to R6, ended about 6" below the area 30-yr average.

FIRST TRIALS

NORTHEAST NEBRASKA - SCRIBNER

TOP 22 OUT OF 54 | RM 2.6-3.4

COUNTY: Dodge PLANTING RATE: 141,000
 DATE PLANTED: 5/16/2017 ROW WIDTH: 30"
 DATE HARVESTED: 10/20/2017

VARIETY	TRAIT	RANK	BU/ACRE	% H2O
Latham L2682R2X	RRX	2.6	65.9	11.7
Renk RS268NX	RRX	2.6	65.1	11.7
Hefty H29X8	RRX	2.9	63.8	11.8
Hefty H33X8	RRX	3.3	62.9	11.6
LG Seeds C2605R2	RR2Y	2.6	61.7	11.8
Latham L3383EXGT	BG	3.3	61.6	12.4
Jacobsen Seed 960NR2X	RRX	3.0	61.3	11.8
Renk RS288NX	RRX	2.8	61.1	11.8
Prairie Brand PB-2600R2	RR2Y	2.6	60.3	11.7
Four Star Seed 3X271	RRX	2.7	60.2	12.0
Titan Pro TP-26R35	RR2Y	2.6	60.1	11.7
Latham L2645R2	RR2Y	2.6	60.0	11.7
Four Star Seed 3X300	RRX	3.0	60.0	11.5
NK Brand S30-C1	RR2Y	3.0	59.9	11.7
Jacobsen Seed 847NR2	RR2Y	2.8	59.7	11.9
Titan Pro TP-30X77	RRX	3.0	59.6	12.1
Hefty H28X8	RRX	2.8	59.4	12.1
Jacobsen 876NR2X	RRX	2.6	59.4	12.1
Stine 32RF02	RR2Y	3.2	58.3	12.0
LG Seeds C2888RX	RRX	2.8	58.2	11.9
Champion 26R36N	RR2Y	2.6	58.2	12.2
Titan Pro TP-26X37	RRX	2.6	58.0	12.0

For a complete list of this plot visit www.firstseedtests.com

Planting conditions were excellent at this no-till site. All season, plant health was excellent with little visible foliar stress. July got a bit dry and reduced pod set. That dry period extended into a cool August. A big storm dropped 4.8" rain on Aug 15. Through the season, 3.3" rain fell during vegetative stages, 3.2" from bloom to full pod and 9.9" from beginning seed to maturity.

NORTHEAST NEBRASKA -WAYNE

TOP 22 OUT OF 54 | RM 2.6-3.4

COUNTY: Wayne PLANTING RATE: 147,000
 DATE PLANTED: 5/5/2017 ROW WIDTH: 30"
 DATE HARVESTED: 10/19/2017

VARIETY	TRAIT	RANK	BU/ACRE	% H2O
NK Brand S28-N6	RR2Y	1	75.6	11.3
Latham L2682R2X	RRX	2	74.8	11.3
Titan Pro TP-30X77	RRX	3	74.7	12.1
Champion 26R36N	RR2Y	4	74.0	11.6
Renk RS288NX	RRX	5	72.9	11.3
Jacobsen Seed 876NR2X	RRX	6	72.6	11.4
Jacobsen Seed 847NR2	RR2Y	7	72.2	11.4
Hefty H33X8	RRX	8	71.9	11.6
Latham L2645R2	RR2Y	9	71.8	11.5
Latham L2749R2X	RRX	10	71.4	11.5
Hefty H29X8	RRX	11	71.2	11.4
Renk RS268NX	RRX	12	71.2	11.4
Pioneer P27T59R	RR	13	71.2	11.8
Renk RS328NX	RRX	14	71.1	11.8
Prairie Brand PB-2600R2	RR2Y	15	71.0	11.6
LG Seeds C2605R2	RR2Y	16	70.9	11.4
Asgrow AG33X8	RRX	17	70.8	11.6
Hefty H31X7	RRX	18	70.6	11.3
Hefty H30X8	RRX	19	70.6	11.4
Hefty H27X6	RRX	20	70.6	11.8
Asgrow AG27X8	RRX	21	70.5	11.6
Titan Pro TP-31X26	RRX	22	70.4	11.4

For a complete list of this plot visit www.firstseedtests.com

Nice yield surprise considering July was very dry. Plenty of rain came in August to fill pods and produce large seeds. This site drains very well. Plants were tall, had great standability and harvested well. During the season, 2" came during vegetative stages, 1.7" from bloom to full pod and 10.4" from beginning seed to maturity. Rainfall totals from planting to R6 was 4.1" above the area 30-yr average.

WEST CENTRAL IOWA

FARM: Kevin Carstensen **DATE PLANTED:** 5/9/2017
LOCATION: Odebolt, IA **DATE HARVESTED:** 10/16/2017
COUNTY: Sac **PLANTING RATE:** 160,000
ENTRIES: 22 **ROW WIDTH:** 30"

VARIETY	RANK	Yield @ 13% Moisture BU/ACRE	% H2O
Jacobsen 764NR2	1	83.7	13.1
Pioneer 31A22X	2	82.2	14.3
Pioneer 31T11R	3	81.5	14
Pioneer 27T59R	4	80.1	12.7
Pioneer 24T93R	5	79.8	12.9
Jacobsen 876NR2X	6	79.6	12.9
Pioneer 28T08R	7	79.3	13.4
Asgrow 2431	8	79.2	12.9
Pioneer 24A99X	9	78.9	13.6
Pioneer 28T71X	10	77.5	13
Pioneer 22T73R	11	77.0	13.1
Pioneer 31T52X	12	75.0	14
Jacobsen 856R2	13	74.1	13.3
Pioneer 22T69R	14	73.6	12.9
Pioneer 27T03R	15	73.5	13.3
Pioneer 22T24X	16	73.5	14
Pioneer 22T73R	17	67.3	12.7
Pioneer 28T08R	18	66.8	13.4
Pioneer 31T11R	19	66.4	13.7
NK S20-T6	20	64.8	13.4
Pioneer 20T79R2	21	61.5	13.4
Pioneer 21A28X	22	61.1	13.3

This high management soybean plot had 150lbs of Potash applied before planting and was treated with fungicide and insecticide at the end of R2. High water holding capacity worked well for the entries this season because the plot only received 9.5 inches of rain from planting to August 1st. The weather then abruptly changed and the plot measured 8.2 inches from August 1 to September 1, perfectly timed for grain fill.

