

2008 Soybean Planting Date Study [Special Report]

Eric Beyers, Christian County [Owaneco, IL]

SOIL CONDITIONS: Herrick Silt Loam, 1.5% slope, Somewhat poorly drained,
 3.4% o.m., 6.2 pH, Mod P, Mod K,

PREVIOUS CROP: Corn, Roundup
TILLAGE/CULTIVATION: Deep Moldboard plowed [fall] FC [spring 1 pass]

3.8 - 4.1 MAT. GROUP
15" ROW SPACING
PEST MANAGEMENT: Roundup [Post]

PLANTED - SEEDING: 150,000/A
HARVESTED - STAND: November 5 - 139,400/A

VARIETAL YIELD RESULTS (SORTED BY PLANTING DATES)
 AVERAGE of (4) REPLICATIONS

COMPANY	VARIETY	MAT.	SCN RESIST	SEED TRT's	PLANTING DATE	YIELD Bu/A	MOIST %	LODGING %	STAND (x 1000)	GROSS INCOME
Kruger	K-410RRSCN	4.1	R	CM	6-May	72.9	12.9	2.5	139.4	\$911.8
Kruger	K-410RRSCN	4.1	R	CM	31-May	66.6	12.5	5.3	139.4	\$831.9
Kruger	K-410RRSCN	4.1	R	CM	18-Jun	58.7	12.3	5.8	139.4	\$734.3
Asgrow	AG 3803	3.8	R	CM	6-May	68.1	12.0	10.8	139.4	\$851.1
Asgrow	AG 3803	3.8	R	CM	31-May	65.4	11.8	10.8	139.4	\$816.9
Asgrow	AG 3803	3.8	R	CM	18-Jun	54.9	11.2	5.3	139.4	\$686.8
Kruger	K-384RRSCN	3.8	R	CM	6-May	65.1	12.5	12.5	139.4	\$814.0
Kruger	K-384RRSCN	3.8	R	CM	31-May	66.8	11.7	12.5	139.4	\$835.1
Kruger	K-384RRSCN	3.8	R	CM	18-Jun	54.4	11.5	5.8	139.4	\$679.9
Asgrow	AG 3905	3.9	R	CM	6-May	65.4	12.5	10.8	139.4	\$818.0
Asgrow	AG 3905	3.9	R	CM	31-May	62.1	12.6	10.8	139.4	\$776.5
Asgrow	AG 3905	3.9	R	CM	18-Jun	51.8	11.9	5.8	139.4	\$647.4
Test Average =						62.7	12.1	8.2	139.4	\$783.6
Isd(.10) =						4.8	0.4	4.3		

PLANTING DATE IMPACT ON YIELD - Averaged over 4 Varieties
 AVERAGE of (16) REPLICATIONS

PLANTING DATE	YIELD Bu/A	LODGING %	PROTEIN %	OIL %	SEED SIZE Seed/lb	GROSS INCOME
6-May	67.9 a	9.8 a	34.8 a	19.3 a	2771	\$848.8
31-May	65.2 b	9.1 a	35.6 b	18.7 b	2710	\$815.0
18-Jun	55.0 c	5.6 b	36.2 c	17.9 c	2777	\$687.5
Test Average =		8.2	35.5	18.6	2753	\$783.8
Isd(.10) =		2.7	0.3	0.3	ns	

VARIETAL YIELD RESPONSE - Averaged over 3 Planting Dates
 AVERAGE of (12) REPLICATIONS

PLANTING DATE	YIELD Bu/A	LODGING %	PROTEIN %	OIL %	SEED SIZE Seed/lb	GROSS INCOME
K-384RRSCN	62.1 b	10.3 b	35.6 b	18.5 b	2799 a	\$776.3
K-410RRSCN	66.1 a	4.5 a	34.8 c	19.3 a	2560 b	\$826.3
AG 3803	62.8 b	8.9 b	35.5 b	18.5 b	2860 a	\$785.0
AG 3905	59.8 b	9.1 b	36.2 a	18.2 b	2790 a	\$747.5
Test Average =		8.2	35.5	18.6	2752	
Isd(.10) =		3.5	0.3	0.3	123	

 Bold results are significantly better than test average. ns = results not significantly different
 Means with the same letter **within a column** are not significantly different.

Yield & Income Factors: Base Moisture = 13.0%, Shrink = 1.0, Drying = \$.000/Pt/Bu, Price = \$12.50/Bu

SEED TRT's KEY: CM - CruiserMaxx
FIELD NOTES: During early flowering, the 1st planting date dominated with 3-4 times more flowering nodes as compared to the 2nd planting date varieties. The 3rd planting date was still 2 weeks away from beginning to flower.

Small amounts of SDS were visible in the 1st planting after Labor Day.

 A list of all the varieties in this test is available at www.firstseedtests.com

AgSCI Copyright 2008



2008 Soybean Planting Date Study [Special Report]

Tom Fink, Carroll County [Lanark, IL]

SOIL CONDITIONS: 1% Slope, Moderately well drained
4.0% o.m., 6.1 pH, High P, and High K

PREVIOUS CROP: Corn - Liberty

2.7 - 3.2 MAT. GROUP

TILLAGE/CULTIVATION: No-Till

15" ROW SPACING

PEST MANAGEMENT: Roundup + Warrior

PLANTED - SEEDING: 160,000 seed/A

VARIETAL YIELD RESULTS (SORTED BY PLANTING DATES)

HARVESTED - STAND: Oct 13 - 120,900 plants/A

AVERAGE of (4) REPLICATIONS

COMPANY	VARIETY	MAT.	SCN RESIST	SEED TRT's	PLANTING DATE	YIELD Bu/A	MOIST %	LODGING %	STAND (x 1000)	GROSS INCOME
Kruger	K-274RR/SCN	2.7	R	CM	21-Apr	53.6	12.2	4.0	101.9	\$670.0
Kruger	K-274RR/SCN	2.7	R	CM	5-May	52.2	12.2	3.3	129.8	\$652.5
Kruger	K-274RR/SCN	2.7	R	CM	20-May	49.8	12.3	4.0	137.6	\$622.5
Asgrow	DKB27-52	2.7	R	CM	21-Apr	56.7	12.1	2.5	114.1	\$708.8
Asgrow	DKB27-52	2.7	R	CM	5-May	55.2	12.1	1.0	112.4	\$690.0
Asgrow	DKB27-52	2.7	R	CM	20-May	56.5	12.0	1.8	132.4	\$706.3
Kruger	K-316RR/SCN	3.1	R	CM	21-Apr	53.7	12.3	3.3	111.5	\$671.3
Kruger	K-316RR/SCN	3.1	R	CM	5-May	48.4	12.3	3.3	107.2	\$605.0
Kruger	K-316RR/SCN	3.1	R	CM	20-May	47.4	12.3	4.0	115.9	\$592.5
Asgrow	AG 3203	3.2	R	CM	21-Apr	55.6	12.1	3.3	120.2	\$695.0
Asgrow	AG 3203	3.2	R	CM	5-May	54.2	12.1	4.0	118.5	\$677.5
Asgrow	AG 3203	3.2	R	CM	20-May	53.7	12.1	2.5	149.0	\$671.3
Test Average =						53.1	12.2	3.1	120.9	\$663.6
lsd(.10) =						2.9	ns	1.4		

PLANTING DATE IMPACT ON YIELD - Averaged over 4 Varieties
AVERAGE of (16) REPLICATIONS

PLANTING DATE	YIELD Bu/A	MOISTURE %	LODGING %	STAND (x 1000)	GROSS INCOME	
21-Apr	54.9 a	12.1	3.3	111.9	\$686.3	
5-May	52.5 b	12.2	2.9	117.0	\$656.3	
20-May	51.8 b	12.2	3.1	133.7	\$647.5	
Test Average =		53.1	12.2	3.1	120.9	\$663.4
lsd(.10) =		1.6	ns	ns	ns	

VARIETAL YIELD RESPONSE - Averaged over 3 Planting Dates
AVERAGE of (12) REPLICATIONS

COMPANY	VARIETY	MAT.	SCN RESIST	SEED TRT's	YIELD Bu/A	MOISTURE %	LODGING %	STAND (x 1000)	GROSS INCOME
Kruger	K-274RR/SCN	2.7	R	CM	54.5 a	12.1	3.3	129.2	\$681.3
Kruger	K-316RR/SCN	3.1	R	CM	51.9 b	12.2	3.8	123.1	\$648.8
Asgrow	DKB27-52	2.7	R	CM	56.1 a	12.1	1.8	119.6	\$701.3
Asgrow	AG 3203	3.2	R	CM	49.8 c	12.3	3.5	111.5	\$622.5
Test Average =					53.1	12.2	3.1	121	\$663.8
lsd(.10) =					1.9	0.13	0.8	ns	

Bold results are significantly better than test average.

ns = results not significantly different

Means with the same letter within a column are not significantly different.

Yield & Income Factors: Base Moisture = 13.0%, Shrink = 1.0, Drying = \$.000/Pt/Bu, Price = \$12.50/Bu

SEED TRT's KEY: CM - CruiserMaxx

FIELD NOTES: Despite being planted 4 weeks apart, soybeans from all planting dates emerged within 4 days of each other.

Soil conditions for the April planting were extremely cold and marginally wet. Both May planting dates had ideal soil conditions.

In general, early season weather was cool and wet.

A list of all the varieties in this test is available at www.firstseedtests.com

AgSCI Copyright 2008