

Soybean Conventional and Roundup Ready Varietal Trials McIntosh and Crookston—Polk County

**Crookston Site
Tyler & HD Ross**

Roundup Ready Varieties

Planting Date: 5-17-05

Seeding Rate: 180,000 plants/a

Soil Test:

P = 11 ppm

K = 274 ppm

O.M. = 3.4%

Carb. = 3.1%

Salts = .66 mmho

pH = 8.2

Herbicides: PPI = None

Conventional—6-10-05

Raptor 4 oz./a

Flexstar 6 oz./a

Prime Oil 1 gal/100 gal

AMS Liquid 1.5 gal/100 gal

Roundup Varieties—6-27-05

1 qt. Roundup Original

Harvest Date 10-1-05



Company	Variety	Yield (bu/a)	Protein (%)	Oil (%)
Asgrow	AG0301	59.0	33.8	18.0
NK Brand	S02-M9	58.4	36.1	18.3
Dyna-Grow	SX05405	58.4	35.7	17.8
Pioneer	90M60	57.6	35.0	18.0
Legend Seeds	0094RR	57.5	34.5	18.0
Asgrow	AG0202	57.0	33.6	17.9
NK Brand	S04-Z9	56.4	35.2	17.7
Wensman Seed	W20051RR	55.2	33.2	18.5
Pioneer	90M20	55.0	33.9	17.9
DeKalb	DKB009-51	54.8	34.7	17.9
Proseed Inc.	RR 50-30	54.7	34.6	18.1
Wensman Seed	W20092RR	54.6	35.2	18.2
Asgrow	AG00603	54.5	32.9	17.8
Stine Seed	S00260-4	54.4	34.2	18.4
Croplan Genetics	RT0043	54.2	33.3	18.5
Stine Seed	S0090-64	53.3	35.3	18.2
Croplan Genetics	RT0103	53.2	35.4	18.2
NK Brand	S01-T5(x402R)	52.4	36.8	17.3
Pioneer	90B51	51.7	35.4	18.3
Proseed Inc.	RR 40-20	51.6	32.7	18.2
Dyna-Grow	34G02	51.3	35.0	18.3
NuTech Seed	NT 0090RR	51.2	35.2	18.2
AgSource Seed	9053	51.0	36.2	18.0
Garst Seed Co.	XR01C88	50.1	34.3	18.1
Hyland Seeds	RR Regal	49.6	34.8	18.2
Wensman Seed	W20077RR	48.5	34.4	18.1
Dyna-Grow	30D09	47.8	34.0	18.2
Seeds 2000	0051RR	47.6	35.0	18.1
Hyland Seeds	RR Ramsey	47.2	35.2	18.2
Legend Seeds	0093RR	46.9	34.6	18.0
Thunder Seeds	23005RR	46.6	36.5	17.4
Peterson Farm Seed	PFS 0303RR	46.4	35.5	18.2
Garst Seed Co.	0095	46.0	36.7	16.9
AgSource Seed	9009RR	44.7	34.1	18.1
Peterson Farm Seed	PFS 04009RR	44.4	34.4	17.8
Peterson Farm Seed	PFS 0502RR	44.1	33.7	18.0
Legend Seeds	0255RR	43.9	33.2	18.0
Proseed Inc.	RR 20-11	41.6	35.7	18.3
Croplan Genetics	RT0273	41.6	33.8	18.0
NuTech Seed	NT 0121+RR	40.8	33.4	17.9
Hyland Seeds	RR Reliant	40.0	36.5	17.8
AgSource Seed	9025RR	39.6	33.4	17.9
LSD .05		¹ 4.3	0.6	0.3

¹ Yields that differ by less than 4.3 bu/a are not statistically different from each other.

Soybean Varietal Trials —Polk County (*continued*)

McIntosh Site
Dewayne Ostenaar

Roundup Ready Varieties

Planting Date: 5-31-05

Seeding Rate: 180,000 plants/a

Soil Test :

P = 8 ppm

K = 70 ppm

O.M. = 3.1%

Carb. = 0.0%

Salts = .15 mmho

pH = 6.6

Herbicides: PPI = Prowl

Conventional Varieties—6-28-05

Raptor 4 oz./a

Flexstar 6 oz./a

Prime Oil 1 gal/100 gal

AMS Liquid 1.5 gal/100 gal

Roundup Varieties—6-28-05

1 qt Roundup Original

Harvest Date 10-4-05

Company	Variety	Yield (bu/a)	Protein (%)	Oil (%)
Proseed Inc.	RR 20-40	53.9	35.2	18.5
Asgrow	AG0202	47.1	35.0	17.7
Garst Seed Co.	XR01C88	45.3	35.4	18.0
NK Brand	S01-T5(x402R)	44.2	37.1	17.6
Asgrow	AG0301	43.8	34.4	18.0
AgSource Seed	9053	43.0	36.0	18.0
Wensman Seed	W20051RR	42.6	34.4	18.4
Asgrow	AG00603	42.2	34.2	17.6
Proseed Inc.	RR 50-30	41.8	35.4	17.9
NK Brand	S02-M9	41.8	36.8	18.4
Pioneer	90M60	41.6	36.8	17.5
NK Brand	S04-Z9	41.1	36.9	18.0
Pioneer	90M61	40.6	35.5	18.7
Legend Seeds	0094RR	40.4	34.1	18.3
NuTech Seed	NT 0090RR	37.4	36.2	18.2
Stine Seed	S00260-4	37.2	36.7	17.7
Legend Seeds	0255RR	37.0	34.0	18.2
Seeds 2000	0051RR	36.8	36.3	17.8
DeKalb	DKB009-51	36.6	35.3	17.9
Stine Seed	S0090-64	36.5	37.0	17.9
Dyna-Grow	33T06	36.4	36.8	17.4
Dyna-Grow	SX05009	36.4	36.7	18.1
Hyland Seeds	RR Ramsey	36.3	36.5	17.8
Croplan Genetics	RT0273	36.3	35.4	18.0
Pioneer	90B51	36.1	35.6	18.1
NuTech Seed	NT 0121+RR	36.1	34.4	18.1
Wensman Seed	W20077RR	35.6	36.7	17.6
Thunder Seeds	23005RR	35.3	37.3	17.4
Hyland Seeds	RR Reliant	34.6	36.9	17.2
AgSource Seed	9025RR	34.2	34.5	18.1
Croplan Genetics	RT0043	34.1	34.8	18.3
Proseed Inc.	RR 40-20	34.0	34.8	18.0
Peterson Farm Seed	PFS 04009RR	33.6	36.1	17.9
AgSource Seed	9009RR	33.1	35.0	18.2
Dyna-Grow	31F02	33.0	35.5	17.9
Peterson Farm Seed	PFS 0303RR	32.9	36.8	17.8
Croplan Genetics	RT0103	32.8	36.5	18.2
Hyland Seeds	RR Regal	32.5	36.2	17.8
Garst Seed Co.	0095	32.1	36.5	17.3
Wensman Seed	W20092RR	31.9	36.6	18.2
Legend Seeds	0093RR	28.8	36.2	17.9
Peterson Farm Seed	PFS 0502RR	27.8	34.8	18.1
LSD .05		¹ 7.4	0.8	0.4



¹ Yields that differ by less than 7.4 bu/a are not statistically different from each other.

Soybean Varietal Trials —Polk County (*continued*)

Conventional Varieties

Crookston Location

Company	Variety	Yield (bu/a)	Protein (%)	Oil (%)
Legend Seeds	0557	53.2	34.3	18.4
Hyland Seeds	Casino	49.7	32.4	18.3
Pioneer	90B43	49.4	33.1	18.5
Legend Seeds	0090	48.8	33.0	18.3
Earthwise	Panther	47.2	37.2	17.2
NDSU	Traill	46.4	37.1	16.8
U of M	MN0304	46.2	35.3	18.1
Thunder Seeds	598	45.1	34.4	18.4
Hyland Seeds	Emerson	42.7	32.8	19.1
U of M	MN0071	40.6	33.6	18.6
Earthwise	Colibri Natto	34.7	34.1	15.8
NDSU	Pembina	33.7	35.0	18.0
LSD .05		¹ 6.2	0.6	0.3

¹Yields that differ by less than 6.2 bu/a are not statistically different from each other.

McIntosh location

Company	Variety	Yield (bu/a)	Protein (%)	Oil (%)
Hyland Seeds	Casino	41.5	34.5	17.9
Hyland Seeds	Emerson	38.5	34.9	18.6
Pioneer	90B43	37.3	35.1	17.9
U of M	MN0304	37.2	35.2	18.2
Thunder Seeds	598	37.0	36.2	17.9
NDSU	Traill	33.8	36.5	17.2
Legend Seeds	0090	33.5	34.2	17.9
Legend Seeds	0557	32.4	36.5	18.0
Earthwise	Panther	32.3	38.2	17.1
U of M	MN0071	28.8	35.2	18.2
Earthwise	Colibri Natto	24.4	35.4	15.7
NDSU	Pembina	23.0	34.9	17.7
LSD .05		¹ 7.2	0.5	0.3

¹Yields that differ by less than 7.2 bu/a are not statistically different from each other.