

Roundup Ready Soybean Trial Group IV

County: St. Francis

Agent: Cody Griffin

Cooperator: Brian McDaniel

Location: Weidner

Previous Crop: Soybeans

Soil Type: Mixed Loam

Row Width: 38" Twin Row

Planting Date: 5/24/16

Harvest Date: 10/11/16

Objective: Evaluate Roundup Ready Soybean varieties under farm level management. Determine local yield potential of commercially available varieties.

Irrigation Type and Frequency: Poly Pipe Irrigated 7 times

Herbicide Program:

Pre Plant: Gramoxone 42 oz. / Envive 3.5 oz.

Post Emerge: Prefix and Roundup 1 quart / Quadrus SBX 7 oz / 75 orthene / Bifenthrin 6 oz.

Fertilize:

200lbs Potash



Results:

Variety	Adjusted Yield	Harvest Moisture	Plant Population	Test Wt lb/bu	Total lbs
Armor 47R70	52	11.1	128000	54.2	2418
Armor 49R56	50.9	11.3	160000	53.4	2356
Bayer 4590RY	45.8	10.6	116000	55.8	2100
Bayer RY4721	39.8	10.5	124000	55.5	1828
Dow 5N452R2	47.8	10.5	152000	53.2	2190
Dow 5N479R2	43.4	10.1	160000	55.7	1980
Dow 5N480R2	35.8	10	160000	56.7	1660
Dow5N490R2	48.7	10.3	170000	56.3	2230
DGROW 4670	44.9	10.5	160000	54.6	2060
DGROW 4790	47.7	10.3	160000	53.8	2182
Progeny 4613	42	10.5	170000	53.6	1928
Progeny 4900	39.1	10.2	100000	56	1786
Syngenta S47-K5	49	10.3	112000	54.4	2240
Syngenta S48-D9	52.1	10.2	124000	54.8	2380