



Nebraska On-Farm Research Network

Reduced vs. Standard Herbicide Rate-Soybeans

Study ID: 115025199401

Cass County

OBJECTIVE: To determine and document the profitability of a reduced versus a standard herbicide rate program for soybeans.

REDUCED RATE

Treatment:

Herbicide:

3 ounces Canopy, .5 pint 2,4-D,
2 pints C0/28%, 3 ounces Penet,
8 ounces Fusion, .125 ounce
Pinnacle and .25 ounce Classic

Plant: 15-inch row spacing

Harvest

STANDARD RATE

Treatment:

Herbicide:

1 pint Roundup, 8 ounces 2,4-
D, 1.7 pounds Ammonium
Sulfate, 1.6 ounces Penet, 4
ounces Pursuit, 1.5 pints Sunit
and 1 quart 28% N

Plant: 15-inch row spacing

Harvest

Comparative cost (per acre)

Herbicide	\$22.80	\$20.25	\$25.12
Total	\$22.80	\$20.25	\$25.12

Comparative cost (per acre)

Herbicide	\$26.70	\$21.58	\$26.20
Total	\$26.70	\$21.58	\$26.20

	Moisture	Test weight	Yield (13%)
Reduced	13.6%	47.6	61.2
Standard	13.6%	48.5	61.5

* significantly different at 95% confidence level

** significantly different at 99% confidence level

Summary: There has been no significant difference in yield between the standard and reduced herbicide treatments in either year. Herbicide treatment costs in 1994 differed by only about \$1.00/acre, due to weed pressure and environmental conditions.

Nebraska Soybean & Feed Grains Profitability Project



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