



Nebraska On-Farm Research Network

PRE- AND POST-EMERGENCE WEED CONTROL VERSUS PREPLANT-INCORPORATED WEED CONTROL UNDER IRRIGATION

Study ID: 113155199201

1992

Saunders County

Objective: To determine and document the effect on profitability of a pre- and post-emergence weed control program versus a preplant-incorporated weed control program under irrigation.

PRE- AND POST-EMERGENCE WEED CONTROL

Treatment:

Discing

Field Cultivate

Planting

Herbicide: 1.36 gallons Freedom banded, 1 pint Galaxy, 28% UAN and adjuvant

Cultivation

Spot Spray: Roundup

Costs:

Herbicide \$17.10

Operations \$48.60

Comparative cost \$65.70

PREPLANT-INCORPORATED WEED CONTROL

Treatment:

Discing

Field Cultivate

Herbicide: 1 quart Prowl and 1.25 pints Command

Planting

Cultivation

Spot Spray: Roundup

Costs:

Herbicide \$20.80

Operations \$47.10

Comparative cost \$67.90

Nebraska Soybean & Feed Grains Profitability Project



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RESULTS:

Early population	
Pre-/post-emergence	135000
Preplant-inc.	133000
Final population	
Pre-/post-emergence	137000
Preplant-inc.	139000
Plant height	
Pre-/post-emergence	24.5 "
Preplant-inc.	23.7"
Pod height	
Pre-/post-emergence	4.2"
Preplant-inc.	4.0"
Moisture	
Pre-/post-emergence	11.1%
Preplant-inc.	11.0%
Sample weight	
Pre-/post-emergence	54.8
Preplant-inc.	55.7 * *
Yield(13%)	
Pre-/post-emergence	48.7
Preplant-inc.	48.6

* - significantly different at 95 % confidence level

** - significantly different at 99% confidence level

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