



Nebraska On-Farm Research Network

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

Study ID: 044155199201

1992

Saunders County

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

PRE- AND POST-EMERGENCE WEED CONTROL

Treatment:

Field Cultivate

Field Cultivate

Planting

Herbicide: banded 1.25 pints Freedom, 1 pint Galaxy with 28% UAN and adjuvant

Cultivation

Costs:

Herbicide	\$10.70
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Operations	\$49.70
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Comparative cost	<u>\$60.40</u>
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PREPLANT-INCORPORATED WEED CONTROL

Treatment:

Field Cultivate/Pre-Plant Incorporate herbicide

Herbicide: 1 pint Command, 1/2 pint Scepter and 1.5 pints Treflan

Field Cultivation

Planting

Cultivation

Costs:

Herbicide	\$ 21.50
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Operations	\$48.50
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Comparative cost	<u>\$ 70.00</u>
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Nebraska Soybean & Feed Grains Profitability Project



Extension is a Division of the Institute of Agriculture and Natural Resources at the University of Nebraska–Lincoln cooperating with the Counties and the United States Department of Agriculture.

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RESULTS:

Early population	
Post-emergence	111000
Preplant-inc.	112000
Final population	
Post-emergence	110000
Preplant-inc.	109000
Population loss	
Post-emergence	1.2%
Preplant-inc.	2.3%
Plant height	
Post-emergence	43.5 "
Preplant-inc.	43.0"
Pod height	
Post-emergence	4.1 "
Preplant-inc.	4.3"
Moisture	
Post-emergence	10.8%
Preplant-inc.	10.8%
Sample weight	
Post-emergence	55.7
Preplant-inc.	55.6
Yield(13%)	
Post-emergence	52.0
Preplant-inc.	53.4

* - significantly different at 95 % confidence level

** - significantly different at 99% confidence level

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