



Nebraska On-Farm Research Network

INDETERMINATE VERSUS DETERMINATE VARIETIES UNDER IRRIGATION

Study ID: 081155199201

1992

Saunders County

Objective: To determine and document the effect on profitability of the use of an indeterminate variety (Hoegemeyer 368) versus the use of a determinate variety (Hobbit87) under irrigation.

INDETERMINATE VARIETY

Treatment:

Fall Discing

Field cultivation

Planting: Hoegemeyer 368, planting rate of 60 pounds per acre

Herbicide: 3oz Pursuit, .8 pints Command banded, Crop Oil and 28 % UAN

Cultivation

Costs:

Seed	\$14.40
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Comparative cost	<u>\$14.40</u>
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DETERMINATE VARIETY

Treatment:

Fall Discing

Field Cultivation

Planting: Hobbit87, planting rate of 70 pounds per acre

Herbicide: 3oz Pursuit, .8 pints Command banded, Crop Oil and 28% UAN

Cultivation

Costs:

Seed	\$8.40
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Comparative cost	<u>\$8.40</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	
Indeterminate	186000 * *
Determinate	245000 * *
Plant height	
Indeterminate	34.9" * *
Determinate	24.5 " * *
Pod height	
Indeterminate	4.9"
Determinate	4.5 "
Moisture	
Indeterminate	9.5 %
Determinate	9.3 %
Sample weight	
Indeterminate	57.4 * *
Determinate	57.1 * *
Yield(13%)	
Indeterminate	47.4
Determinate	46.8

* - significantly different at 95 % confidence level

* * - significantly different at 99% confidence level

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