



Nebraska On-Farm Research Network

Years: 2005

Title: Roundup Ready Soybeans – Drag and Lag Effect

Crop: Soybeans

Study ID: 104025200502

County: Cass

Objective: To determine and document the influence of of growing Roundup Ready soybeans on the profitability of soybean production

Treatments: Roundup Ready Soybean Variety vs. Sister-line Variety not Roundup Ready.

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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2005 Treatments:

Roundup-Ready

Variety: 32-G5

Burndown Herbicide:

Roundup – 1 qt (\$3.00)

Blanket – 3 oz. (6.54)

Pendimax – 1.75 pt. (\$4.59) TOTAL: \$14.13

Post Herbicide:

Reflex - .4 pts (\$4.50)

Select – 8 oz. (\$8.44)

First Rate - .25 oz. (\$4.88) TOTAL: \$17.82

Conventional

Variety: 32-Z3

Burndown Herbicide: Same as above

Post Herbicide: Same as above

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| Results: 2005 | (32G5) | (32Z3) | |
|----------------------|----------------|---------------|---------------------|
| <u>Variable</u> | <u>Roundup</u> | <u>Conv.</u> | <u>Prob >/T/</u> |
| Yield, bu/ac at 13% | 54 | 57 | 0.0091 *** |
| Moisture, % | 11.0 | 11.0 | 1.000 ns |
| Cost/ac (herbicide) | \$31.95 | \$31.95 | |
| Cost/ac (seed) | \$33.13 | \$9.60 | |

Summary: In 2005, the conventional variety yielded more than the Roundup Ready.

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