



Nebraska On-Farm Research Network

Soybean Planting Date vs. Preplant + Post or Only Preplant Herbicide Treatment

Study ID: 029053199701

County: Douglas

Year: 1997

OBJECTIVE: To determine and document the profitability of soybean planting date versus preplant plus post or only post herbicide treatment.

EARLY PLANT/PREPLANT HERBICIDE

Treatment:

Herbicide: 1997 - 3.5 pounds Partner and 7 ounces Canopy

LATE PLANT/PREPLANT HERBICIDE

Herbicide: 1997 - 3.5 pounds Partner and 7 ounces Canopy

EARLY PLANT/PRE + POST HERBICIDE

Treatment:

Herbicide: 1997 - 1 pint Roundup, 1 pint 2.4-D, 2 pints Galaxy, and 24 ounces Poast Plus

LATE PLANT/PRE + POST HERBICIDE

Herbicide: 1997 - 1 pint Roundup, 1 pint 2.4-D, and 24 ounces Poast Plus

Comparative cost (per acre)

EARLY PLANT/PREPLANT HERBICIDE

1997 \$30.28

LATE PLANT/PREPLANT HERBICIDE

1997 \$30.28

Comparative cost (per acre)

EARLY PLANT/PRE + POST HERBICIDE

1997 \$29.86

LATE PLANT/PRE + POST HERBICIDE

1997 \$15.64

Nebraska Soybean & Feed Grains Profitability Project



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Herbicide Treatment

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VARIABLE	1997 SOYBEANS
Moisture (%)	
Early Planted/Preplant Herbicide	11.7
Early Planted/Preplant+Post Herbicide	11.6
Late Planted/Preplant Herbicide	11.5
Late Planted/Pre-plant+Post Herbicide	11.5
Mean for Early Planted	11.6*
Mean for Late Planted	11.5
Mean for Preplant Herbicide	11.6
Mean for Preplant +Post Herbicide	11.5

* Herbicide treatments and planting time significantly different at 90% confidence level

** Planting dates significantly different at 95% confidence level

Yield (13%) (bushels/acre)	
Early Planted/Preplant Herbicide	44
Early Planted/Preplant+Post Herbicide	46*
Late Planted/Preplant Herbicide	43
Late Planted/Pre-plant+Post Herbicide	42
Mean for Early Planted	45***
Mean for Late Planted	43
Mean for Preplant Herbicide	44
Mean for Preplant +Post Herbicide	44

* Planting time by herbicide treatment effects on yield are significant at 90% confidence level.

*** Herbicide treatments, planting time, and planting time by treatment effects on plant height are significant at 99% confidence level.

Summary: In 1997, early planting gave highest yields; however, the seed moisture was slightly higher. Early planting with preplant and post herbicide gave the highest yield.

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