

# Roundup Ready Soybean Variety Evaluation in a Modified Relay Intercropping System

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## Objective

To evaluate the yields of two Roundup Ready soybean varieties in a Modified Relay Intercropping (MRI) system.

## Background

Cooperator: OSU Unger Farm Fertilizer: 26-104-120 fall applied  
County: Crawford 103 lbs/A nitrogen pre-plant  
Soil Type: Blount Herbicide: Roundup Ultra (1 qt/A)  
Drainage: Systematic Variety A: Asgrow AG2701 (2,750 seeds/lb)  
Soil Test: pH 6.9, P 31 ppm, Variety B: Pioneer 93B01 (3,200 seeds/lb)  
K 122 ppm Planting Rate: 75 lbs/A  
Interseed Date: June 8, 1998

## Methods

Soybeans were planted into 10-inch row wheat with a Great Plains 1500 drill. Drill was on a three-point hitch of the tractor to plant soybeans. The same drill was used for both wheat and soybean planting. Twenty-inch tram lines were also established in the 15' wide plots. Weeds present included giant ragweed, volunteer wheat, giant foxtail, lambs quarter, Canada thistle, field bindweed. Experiment design was completely randomized with three replications.

## Results

Variety	Yield (bu/A)
Asgrow A2701	41.97
Pioneer 93B01	39.77

F = 1.13 Not significant at P = 0.05 CV = 6.2%

## Summary and Notes

Roundup Ready soybeans performed very well in a Modified Relay Intercropping system in 1998. The two varieties tested were not significantly different from each other.

For additional information, contact:

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