



# Nebraska On-Farm Research Network

**Year:** 2010-2012  
**Title:** Cover Crop Profitability  
**Crop:** Corn/Soybean Rotation  
**Study ID:** 039155201013M3  
**County:** Saunders  
**Objective:** To determine and document the influence of rye cover crop on the profitability of producing corn/soybeans.  
**Treatments:** Check vs Rye

## 2010

Cover Crop Planted: 9/17/09  
Corn Planted (GH 9180 GT/CB/LL): 4/9/10  
Harvested: 10/21/10

### RESULTS:

Variable	Check	Rye	Prob >/T/
Yield, bu/ac @ 15.5%	207	200	0.0075***
Moisture, %	12.6	12.5	0.4007 nx
Cost/ac	--	\$40.00	

## 2011

Cover Crop Planted: 9/30/10  
Soybean Planted (Pioneer 93Y70): 5/3/11  
Harvested: 10/4/11

### RESULTS:

Variable	Check	Rye	Prob >/T/
Yield, bu/ac @ 13.0%	56	59	0.0356**
Moisture, %	9.4	9.8	0.0722
Cost/ac	--	\$40.00	

## 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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**2012**

Cover Crop Planted: 10/7/11 – Sprayed 3/17/12

Corn Planted (Pioneer 1324 at 38,000 seeds per acre): 5/1/12

Harvested: 9/15/12

**RESULTS:**

<b>Variable</b>	<b>Check</b>	<b>Rye</b>	<b>Prob &gt;/T/</b>
Yield, bu/ac @ 15.5%	261.4	262.8	0.3210 ns
Moisture, %	16.2	16.1	0.3082 ns
Cost/ac*	--	\$41.67	

**\*Cost breakdown:**

Rye Seed = \$12.00

Planting Rye = \$19.10

Spraying Rye = \$6.00

Chemical – Rye = \$4.57

Total = \$41.67

**Summary:**

In 2010 (corn) the check (no cover crop) treatment resulted in higher grain yields. In 2011 (soybeans), the cover crop treatment resulted in higher grain yields. In 2012 (corn), there was no difference in grain yield for rye versus no rye cover crop treatments.

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