



Nebraska On-Farm Research Network

Year:	2010-2012
Title:	Cover Crop Profitability
Crop:	Corn/Soybean Rotation
Study ID:	039155201014M3
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: 9/30/09

Corn Planted (GH 9180 GT/CB/LL): 4/19/10

Harvested: 10/22/10

RESULTS:

Variable	Check	Rye	Prob >/T/
Yield, bu/ac @ 15.5%	197	195	0.5692 ns
Moisture, %	13.2	13.2	0.4748 ns
Cost/ac	--	\$40.00	

2011

Cover Crop Planted: 9/30/10

Soybean Planted (NK 28K1, short season, 2.8 group): 5/1/11

Harvested: 9/27/11

RESULTS:

Variable	Check	Rye	Prob >/T/
Yield, bu/ac @ 13.0%	68	68	0.8204 ns
Moisture, %	9.5	9.4	0.3739 ns
Cost/ac	--	\$40.00	

Nebraska Soybean & Feed Grains Profitability Project



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2012

Cover Crop Planted: 10/5/11 – Sprayed 3/16/12

Corn Planted (GH 9180 GT/CB/LL): 4/18/12

Harvested: 9/24/12

RESULTS:

Variable	Check	Rye	Prob >/T/
Yield, bu/ac @ 15.5%	107.8	111.9	0.0633*
Moisture, %	12.6	12.4	0.1392 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) and 2011 (soybeans), there was no difference in grain yield for rye versus no rye cover crop treatments. In 2012 (corn) the rye cover crop treatment yielded higher than the check (no rye cover crop). The additional grain did not cover the cost of cover crop treatment.

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