Project Highlight: Evaluating Local Cover Crop Economics

Though the conservation benefits of cover crops are well known, there is far less data on the economic return generated by cover cropping. With that in mind, Josh Roe, backed by funding from a SARE grant and with assistance from a Kansas State University agronomist, dug into the economics of cover cropping on his family’s farm in Republic County, Kan., to determine which cover cropping scenario is most profitable.

Roe established a cover crop mix following wheat and compared the economics of three treatments: hay-ing, grazing and terminating the cover crop without incorporating livestock. He used sensitivity analysis to evaluate profitability at various price and yield levels. High hay prices and favorable weather during his 2014 trials created conditions for him to harvest 1.59 tons per acre. Based on his costs, Roe estimated a break-even point of $73 per ton, or nearly 20 percent below that season’s price.

Encouraged by the results, Roe plans to continue looking at how each system performs under different local conditions and to continue using cover crops for both grazing and haying. To spread the word within his community of farmers, Extension agents and county conservation district staff, he has hosted on-farm field days and has been asked to speak at numerous events.

For more information on this project, see www.sare.org/projects, and search for project number FNC14-971.
SARE Grants in Kansas

SARE has awarded a total of 155 grants in Kansas since 1988.

- 26 Research & Education Grants
- 94 Farmer/Rancher Grants
- 8 Professional Development Grants
- 13 Graduate Student Grants
- 5 Youth Educator Grants
- 7 Youth Grants
- 2 On-Farm Research Grants
- 5 Youth Educator Grants

SARE’s Impact

- 53 percent of producers report using a new production technique after reading a SARE publication.
- 79 percent of producers said they improved soil quality through their SARE project.
- 64 percent of producers said their SARE project helped them achieve higher sales.

Contact Your SARE State Coordinator

SARE sustainable ag coordinators run state-level educational programs for Extension and other ag professionals, and many help grant applicants and recipients with planning and outreach. Visit www.northcentralsare.org/kansas to learn more.

Kerri Ebert
Kansas State University
(785) 532-2976
kebert@ksu.edu

SARE is funded by the USDA’s National Institute of Food and Agriculture (NIFA).

For detailed information on SARE projects, go to www.SARE.org.