

2012

The New ISU Farm Network

Wayne B. Roush

Iowa State University, wroush@iastate.edu

Follow this and additional works at: http://lib.dr.iastate.edu/farms_reports



Part of the [Agricultural Science Commons](#), and the [Agriculture Commons](#)

Recommended Citation

Roush, Wayne B., "The New ISU Farm Network" (2012). *Iowa State Research Farm Progress Reports*. 133.
http://lib.dr.iastate.edu/farms_reports/133

This report is brought to you for free and open access by Iowa State University Digital Repository. It has been accepted for inclusion in Iowa State Research Farm Progress Reports by an authorized administrator of Iowa State University Digital Repository. For more information, please contact digirep@iastate.edu.

The New ISU Farm Network

Abstract

Since its inception in 1946, Iowa State University's (ISU) Western Research Farm (WRF) has fulfilled its original stated objective of "careful research giving definite answers to specific problems." In continuing with that tradition, the WRF joined the Onfarm Research Network of the ISU Corn and Soybean Initiative (CSI) and started conducting on-farm trials with participating local producers during the 2010 growing season.

Keywords

RFR A1163

Disciplines

Agricultural Science | Agriculture

The New ISU FARM Network

RFR-A1163

Wayne Roush, farm superintendent

Introduction

Since its inception in 1946, Iowa State University's (ISU) Western Research Farm (WRF) has fulfilled its original stated objective of "careful research giving definite answers to specific problems." In continuing with that tradition, the WRF joined the On-farm Research Network of the ISU Corn and Soybean Initiative (CSI) and started conducting on-farm trials with participating local producers during the 2010 growing season.

The CSI network was initiated in 2006 and has undergone a metamorphosis in 2011 into the new Iowa State University Farmer Assisted Research and Management (ISU FARM) network.

The original on-farm trials network was started at the ISU Northwest Research Farm, and with ISU FARM, it has expanded to the western, north central, central, and southwest regions of the state. Future expansion across the remainder of Iowa is planned.

The new ISU FARM also allows for expanded networking. The university research farms will serve as logistical hubs and ISU FARM ag specialists, Extension field agronomists, and campus researchers serve as technical hubs. Most project ideas will be farmer-driven and some may be researcher-driven, with both working to achieve the stated ISU FARM goal of "a research network to improve soybean and corn production with replicated trials in farmer fields."

Materials and Methods

In 2011, the WRF coordinated with ag business partners, ISU Extension field agronomists, and local producers to help identify specific local, crop-based research needs, and to identify local producers willing to participate in on-farm trials. Research trials were then set up in farmer's fields with producers providing the equipment and land base, and WRF and Extension staff providing trial planning and plot lay-out, data collection and analysis, and assistance in planting and harvesting.

The following is a final list of the participant trials conducted by WRF during the 2011 growing season. There were six corn trials and seven soybean trials completed. One other trial, located on the Missouri River bottom was lost due to flooding.

Corn fungicide trial
application at V5 vs. applications at V5 and tassle

Corn fungicide trial
one application at VT

Corn seed amendments
Conklin Amp-D treatment

Corn Rootworm Control Comparison
SmartStax vs. VT3 vs.
in-furrow insecticide

Corn row width comparison
30 inch vs. 38 inch

Corn row width comparison
30 inch at "higher" population
vs. 38 inch at "lower" population

Soybean inoculant trial
control vs. two different seed applied
inoculants

Soybean treated vs. non-treated seed
early plant; treated vs. non-treated

Soybean treated vs. non-treated seed
normal plant; treated vs. non-treated

Soybean treated vs. non-treated seed
early plant treated vs. normal plant
non-treated

Soybean plant date comparison
early vs. late plant; treated seed

Soybean plant date comparison
early vs. late plant; non-treated seed

Soybean foliar fungicide
treated vs. non-treated

Results and Discussion

Results of the various trials are currently undergoing statistical analysis. Results will be published in a booklet format and should be available in February 2012 at the WRF and county Extension offices. Please stop in for a visit and pick one up.

If you have a crop related production question, or are interested in participating in an ISU FARM trial, please stop in or call the WRF at

712-885-2802. We will assist you with the plot and display (optional) an official ISU FARM participant sign at your plot location.

Acknowledgements

Thank-you to all the companies, producers, and other individuals who helped make this year's trials possible through their participation or donations of time, money, product, equipment, and land.

Local ISU FARM trials sponsors

Companies

Berne Coop
Renze Seeds
Syngenta
ISU Northwest Research Farm

Producers

Dennis Boyle
Lyle Bramley
Joel Bubke
Preston Grobe
Harlan FFA
Brian Stueve
Jerry Thies
Lyle Ernst

Individuals

Joel De Jong
Brad Hanson
Ryan Rusk
Josh Sievers
Brian Stueve
Paul Snyder