2015 Southern Minnesota Regional Research and Demonstration Summary

We want to thank our many partners in making this research report possible. University of Minnesota Extension and the research team including Faculty from Extension, the Research and Outreach Centers at Waseca, Lamberton and Rosemount, and the Campus, have worked to ensure these field research trials are directly applied and adapted to the local region and address the complex needs of Southern Minnesota production agriculture. The regional producers, industry sponsors and state and county partners who have provided land, financial contributions and expertise to make these research trials possible are very much appreciated.

Crop Management Tours, such as those conducted at Rochester and Waseca, provide hands-on events that bring meaning and an applied perspective to the crop trials. These tours give producers and industry professionals the opportunity to ask questions and have one-on-one time with University of Minnesota researchers and Extension Educators.

The many student interns involved in this important research are our workforce of the future! Their summer academic experience provides opportunities to accelerate their own professional careers and give them hands-on experiences working with Minnesota agriculture. We are actively promoting future projects and collaboration that will provide additional experiences with University of Minnesota Extension for students and future leaders of Minnesota.

Extension is committed to providing Minnesotans working in production agriculture with faster and more comprehensive access to the research and resources of the University through specialized educators at our Regional Offices.

This report is exemplary of the University’s commitment of providing timely and relevant research results. Again, congratulations to all partners involved!

Together, you and Extension continue to make a difference in Minnesota.

Respectfully,

Chuck Schwartau    Dr. LuAnn Hiniker
Regional Director – Southeast    Regional Director - Southeast
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BACKGROUND INFORMATION

- Team Members
- Rainfall and Growing Degree Data at Rochester, MN
  - Links to Additional Weather information:
    - Lamberton: http://swroc.cfans.umn.edu/weather
    - Waseca: http://sroc.cfans.umn.edu/weather-sroc/historic-reports

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- Minnesota Hybrid Corn Silage Performance Trials (Houston, Olmsted, Stearns, and Otter Tail Counties)
- Minnesota Corn Performance Trials (State Trials)

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- Evaluation of the Weed Spectrum and Duration of Control Achieved with Preemergence Applications of Acuron and Acuron Flexi
- Evaluation of DiFlexx and Laudis Flexx Herbicide Formulations for Weed Control and Crop Response
- Comparisons of PRE/POST Weed Control Programs
- 2015 Evaluation of Herbicide Systems
- 2015 Corn Herbicide Evaluation (SWROC at Lamberton Rochester, and SROC at Waseca)
  LINK: http://appliedweeds.cfans.umn.edu/research.html

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- Crop Rotation Strategies for Management of Herbicide-Resistant Giant Ragweed
- Demonstration of Cultural and Herbicide Strategies to Manage Giant Ragweed in Soybeans – Impact of Row Spacing, Time of Weed Removal and Delayed Planting
- Managing Waterhemp in Soybean with Layered Residual Herbicides – A Strategy for Controlling Glyphosate Resistant Waterhemp
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- Managing Glyphosate Resistant Common Waterhemp with Different Systems and Herbicide Rates in LibertyLink Soybean
- University of Minnesota 2015 Statewide Soybean Weed Management
- 2015 Soybean Herbicide Evaluation (SWROC at Lamberton, Rochester, and SROC at Waseca)
  LINK: http://appliedweeds.cfans.umn.edu/research.html
AGRONOMY

- Improving the Profitability of Soybean Production – Addressing Barriers: Tillage and Soil Health
- POSTER - Improving the Profitability of Soybean Production – Addressing Barriers: Tillage and Soil Health
- Improving the Profitability of Soybean Production – Addressing Barriers: Cover Crops Learning Tour
- Herbicide Management and Resistant Giant Ragweed Educational Videos

LINK: https://www.youtube.com/user/UMNCrops

Integrated Pest Management Assessment (2015)

Check These Web Sites:
http://www.extension.umn.edu
http://appliedweeds.cfans.umn.edu
http://sroc.cfans.umn.edu/index.html
http://www.soybeans.umn.edu/home.htm
http://www.extension.umn.edu/forages
http://www.mnipm.umn.edu/BugWeb/
http://www.roch.edu

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