

IOWA STATE UNIVERSITY

Extension and Outreach

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Soybean Planting

The first week of June still finds a few folks anxiously awaiting to both start, but mostly finish, soybean planting. Several areas in NC Iowa have been continuously wet and I have had a couple of calls about changing soybean maturity. Even as I write this today (June 1) there are folks planting beans. The short answer is research shows you should stick with your original full-season maturity until June 20 and after that date shorten your maturity group by 0.5 to 1. More information on row spacing and the importance of weed control in late-planted soybean can be found in this article from ICM News dated June 2, 2008, [How Late Can Soybeans be Planted?](#)

Late Spring Nitrate Test

We are rapidly approaching the time to take late spring nitrate soil samples. This test is designed to assess plant-available N just before the corn crop begins rapid uptake of N. Samples should be 1) taken when plants are 6-12 inches tall (measured to the center of the whorl), 2) one-foot deep, and 3) be 24 cores per sample. Sampling instructions and interpretive results are found in PM1714 [Nitrogen Fertilizer Recommendations for Corn in Iowa.](#)



Soil, Water and Wind

The USDA Agricultural Research Service recently included an article in their research magazine that discusses evaluation of a the Root Zone Water Quality Model (RZWQM). This is a field-scale model to simulate plant growth and movement of nutrients, water and chemicals within the root zone of agricultural crops.

The article reports in one sturdy results indicated winter rye crops seeded in no-till corn and soybean systems have the potential to reduce annual nitrate loss from field tile drainage by about

Events

June 25 Northern Iowa Research and Demonstration Farm Field Day

Crop management, nitrogen management and crops grown for an energy source will be the highlight of the [Summer Field Day at the ISU Research Farm near Kanawha](#). The field day will start at 9 a.m. with registration and refreshments, lunch will be served at noon and the field day will conclude by 1 p.m. This event is free and open to the public and pre-registration is not required. Please join us that day for some great crop production information you can use on your farm.

June 25 Weed Science Field Day

The 2015 Weed Science Field Day will be held at the Curtiss Farm at 2219 State Ave., Ames, Iowa. The self-guided tour starts at 8:30 a.m. and is open to the public. More information is available at [Iowa State University Weed Science Field Day](#).

Crop Scouting Competition

Iowa State University Extension and Outreach is hosting a Crop Scouting Competition for Iowa Youth on August 4. More details and registration information is available at [Crop Scouting Competition](#). Registration is due by July 1.

August 3-7 Weeds Week - Workshops Focusing on Herbicide Resistance Management

A series of workshops will be held at ISU Research Farms to help farmers and ag retailers better manage weed resistance. Stay tuned for details.

43%, or by 18 pounds per acre. You can read more about this model and some of the studies at "[Modeling Nutrient Loss from Midwest Crop Fields](#)".

Photo Credit: Jamie Benning, ISU Extension Water Quality Specialist.



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