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Agronomy Information and Tips

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I would like to invite you to be watching for our county scouting meetings. We will be holding one meeting in each of the 15 county region.

With everyone haying, planting crops in wet areas, spraying and so forth, I will delay these into July. These will be an opportunity to look at samples of various pests and check fields for various pests.

The annual **Weed and Pest Management Field Day** will be held this **July 11th** at the **Bradford Research and Extension Center near Columbia, Missouri**. As in recent years, we have expanded the focus of this field day to include a variety of pest management topics that are of interest to agricultural industry representatives, agrichemical dealers, Extension specialists, and producers.

Some of the research topics and trials that will be on display at this year's field day include foliar fungicides for corn and soybean, corn and soybean fungicide seed treatments, corn root-worm transgenics, glyphosate-resistant weed research in Missouri, invasive weeds and their management, pasture weed management considerations, new herbicide and cropping systems, and much more. As usual, you will also have the opportunity to view plots that showcase a wide variety of herbicide treatments and weed management systems for use in either corn or soybean.

The program will begin at 8:30 a.m. and will include guided wagon tours with stops that feature presentation of results and talks by university weed scientists, entomologists, plant pathologists, and agronomists. There will be a \$10 registration fee collected at the time of check-in. This will cover costs associated with lunch and will provide each attendee with a tour booklet that describes the layout and location of each experiment. After lunch, you are welcome to spend the afternoon browsing the plots on your own.

For certified crop advisors, 2 CEU credits for the field day are pending. If you plan on attending the field day, you must pre-register before July 9 by calling 573-884-7945 or by sending an e-mail to chismt@missouri.edu. The Bradford Research and Extension Center is located 7 miles east of Columbia, off of highway WW. For more complete directions call 573-884-7945 or visit <http://aes.missouri.edu/bradford/index.stm>.

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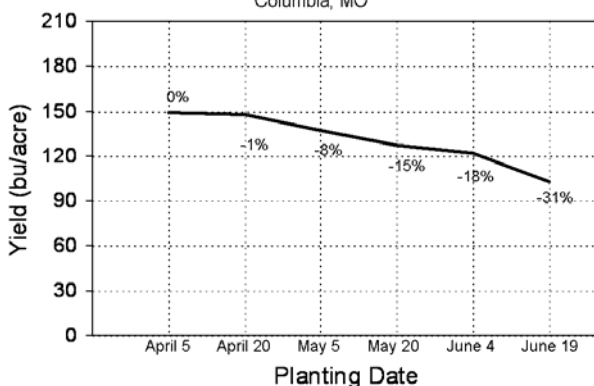
Check winter wheat for yield potential. The fields that I have been in are showing a lot of disease and some freeze injury. Scout fields carefully for yield potential, that is, kernel development, as there is a lot of variability across fields.

Cutworm still feeding on corn. Just because your corn is late planted does not mean that cutworm will not feed on it. Moth flights occur during the summer and feeding will continue. Scout fields carefully. Also, had cutworm in several locations feeding on large corn.

Corn following corn calls for close watch for corn rootworm larvae. To check for rootworm larvae, dig a 7-inch cube of soil centered on the corn plant. Sample at least two plants at five locations within a field. Take soil apart and carefully look for larvae. There are three larval instars. Mature larvae are about 1/2 inch long and have brown heads. They will scar roots and will tunnel into brace roots causing damage.

Planting soybeans then and now spraying for marestalk. Marestalk has become a glyphosate resistant weed in eastern Nebraska and Southeast Missouri. This will be an issue this year for Northwest Missouri. If marestalk is greater than two feet tall, you may throw in a protox inhibitor mode of action herbicide. Check with your ag dealer for options. If the Marestalk is not resistant, then up the glyphosate rate. Next year, use an additional mode of action for burn down with the glyphosate next year. Weed control is great at the Graves-Chapple farm where we delayed soybean planting for spraying with a tank mix of 2,4-D with the glyphosate.

Effect of Planting Date on Corn Yield
Average of Three Years, Hybrids Differ by Year
Columbia, MO



Effect of Planting Date on Corn Yield by Dr. Bill Wiebold. Lots of questions about late planted corn. Here is data which even though is Columbia that would be applicable to our location.

If you would like to be added to our electronic mailing list, please contact Rosa Matthews, Holt County Secretary at 660-446-3724.

Information contained in this newsletter is intended for use in Northwest Missouri and may need to be adapted to other locations. We ask that you credit University of Missouri Extension if you use this information.

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