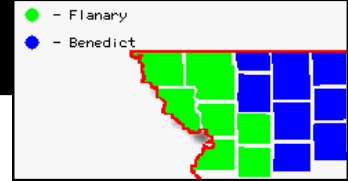


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## Agronomy Information and Tips

**Wayne Flanary, Agronomist**



Wayne Flanary  
 Office 660-446-3724  
 Cell 913-220-3670

**Tuesday, February 17 - Winter Crop Conference at Stoney Creek Inn, St. Joseph.** State Agronomy Extension Staff will be conducting a regional meeting focusing on volatile crop input prices. \$35 to cover costs. Please pre-registration so call Rosa at 660-446-3724.

**Amie Schleicher, Livestock Specialist**

**Wednesday, March 4 -Forage Management Seminar at 7:00 p.m. Squaw Creek National Wildlife Refuge Mound City, Missouri**

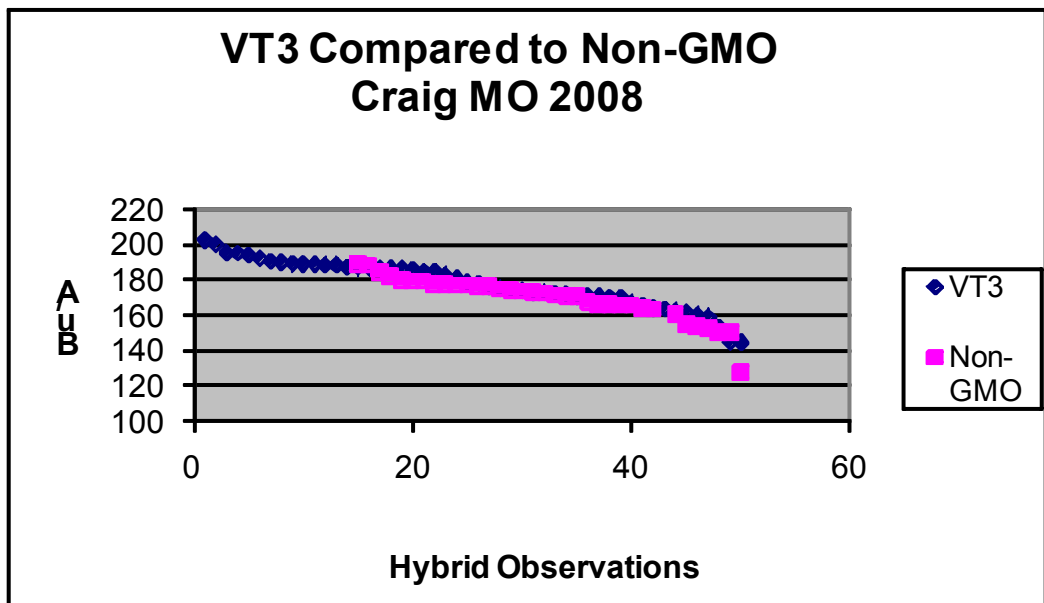


Heather Benedict  
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**GMO and non-GMO debate.** The data in the chart below is a comparison of VT3 compared to Non-GMO. The data comes from the Missouri Crop Performance Trials at the Craig site in Holt County. LSD at .10 is 19.5 bushels at this site so yields would need to be at least 19.5 bushels to be significantly different.

I took hybrid yield data from this site that was identified as VT3 or Non-GMO and arranged the yields from highest to lowest onto the chart. In my opinion, there are a lot of hybrids with or without traits that yielded well. Also, it looks like many high yielding hybrids have traits being introduced into them.

Just because a hybrid contains a trait does not mean that it is a high yielder. The University recommends you seek out hybrid yield data over multiple sites to determine if hybrids are consistent high yielding.



**Dr. Scharf, State Soil Fertility Specialists, reports that many growers lost spring nitrogen in 2008. Here are his thoughts on rescuing nitrogen deficient corn for the 2009 season.**

- 1) Broadcast urea generally does not produce much leaf burn when broadcasting into 4 foot tall corn.
- 2) Agrotain coating of urea improved corn yields when corn was 1 to 2 feet tall but not when corn was 3 to 4 feet tall.
- 3) Ammonium nitrate can cause considerable leaf burn when broadcasting on corn that is 3 to 4 feet tall.
- 4) UAN can be dribbled between rows for an effective rescue treatment.

**The University of Missouri State Specialist write a Integrated Pest and Crop Newsletter that I think you will find valuable.** You can subscribe at <http://ppp.missouri.edu/newsletters/subscribe.htm>.

**Nebraska Research indicates that corn ethanol emits 51% less greenhouse gas than gasoline.** This is 3 times the reduction reported in earlier research. The new development is a result of improvements in efficiency in the production process. Crop Watch News Service—January 23, 2009. University of Nebraska-Lincoln.

**Growers with high grain prices are considering pesticide applications without any regard of pests present in field.** This is not a good decision for several reasons. If pest numbers are low, you would not expect a yield increase from an application. Secondly, the use of an insecticide may control beneficial insects that may control pests. Finally, the use of insecticides when not needed increases the risk of pesticide resistance. Continue to scout fields and use economic thresholds to make decisions regarding pest control.

**Are there differences in generic pesticides from name brand products?** The active ingredients are the same, however, there may be differences in the inert ingredients. Research indicates that there may be some differences with the inert ingredients but the research results are inconsistent.

**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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