

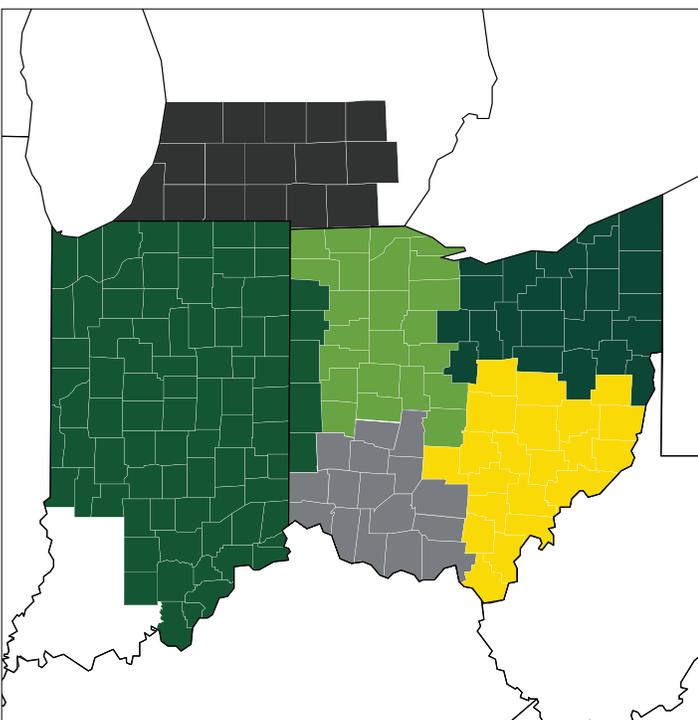
DID YOU KNOW?

Ethos XB provided 1,716 more plants/A. in 20 on-farm trials in 2020!

agronomy NOW

June 19, 2020

REGIONAL UPDATES



1 Thad Moore - Various Regions

Scouting fields for Southern Rust?

Although we have been under a dry spell for the past 30 days with an average rainfall hovering around 2-3 inches during this time frame, the eastern corn belt was hit with a couple of eastern storms bringing warm humid air from the south. The 10 day forecast calls for much needed precipitation and ideal growing conditions for Southern rust if it was blown up here. Temperature range is 70-86 degrees with a chance of storms 7 of the next 10 days. Reports of Southern Rust have been confirmed in four southern states as of 6/19/2020 (Crop Protection Network). Scout fields and continually monitor predictive models to help determine if early fungicide applications are needed.

2 RYAN MCALLISTER - Indiana and Western OH

The crop does vary in Indiana like it does in Ohio but not nearly so much this year. In IN, it varies more geographically perhaps from north to south. The north experienced rainfall events that made for a certain amount of corn acres to be finished planting in late May/early June, with many beans planted in June. However, the majority of our corn has already been side dressed, V5 fungicide/foliar applications are being made, and soybeans are receiving post herbicide applications for those layering residuals. Most beans are V2-V4 growth stage with alot of corn now in the V5-V7 window. This window is a critical one for corn. Remember, V5-V8, we are setting the kernels around the ear. Can we influence this? This is certainly more of a genetic influence than an environmental one. However, we can ensure our crop, to the best of our ability, isn't having a bad day. If we are seeing the visual symptoms of micronutrient deficiencies (striping in the leaves), if we are seeing potassium deficiencies (browning on the outside edges of leaves), these will have a negative effect on yield early and need addressed. Much Flourish Gold has been and still will be applied to proactively help our genetics maximize kernels around the ear.

3**JOE PACK - North Central OH**

I've received a lot of phone calls the last couple of weeks from growers wondering why their bean fields have so many thistles, hemp dogbane and even milkweed. If we go back 3-4 years ago, we started spraying Liberty and Select post on Liberty Link soybeans. For some, they started spraying Liberty even 5 or more years ago. At that time, we dropped the Roundup from the post application. Liberty and Select are contact products that don't translocate to the root the way glyphosate does. Roundup had all but eliminated these perennials, like thistles. But now, yet another weed shift has occurred in these fields and we are now seeing more of those troublesome perennials.

(See more about this weed shift on the back page)

4**RYAN FAULCONER - Southern OH**

Planting is finally coming to an end in Southern Ohio. As we look ahead to post herbicide applications, make sure you are putting the correct adjuvants in the tank for effective weed control. When temperatures begin to increase into the high 80's and low 90's we can see the effectiveness of some herbicides either decline or improve. Certain adjuvants will be needed for effective weed control, while using the wrong one for the situation and current weather can provide unwanted crop response. Don't hesitate to call us if you are unsure.

V5 corn will be here soon. V5-V8 is critical for determining kernels around the ear. Fungicide applications coupled with micronutrients at V5 can improve plant health and maximize the development of kernel rows. Consider this application on your highest yielding acres.

5**AUTUMN VANNATTA - East Central OH**

In East Central OH, corn stands widely vary across a given field. However, it's still important to protect the crop you do have. Consider a VT fungicide application to protect against disease and to aid in plant health, especially for your best fields that still have yield potential.

It is important to be proactive in our post herbicide application timing so that we are not trying to kill weeds that are greater than 4 inches. The bigger the weed, the more growing points to hit, and the harder to manage.

I've received several calls regarding what post soybean herbicide options to use. Consider adding a residual to your post soybean herbicide application, like Dual, in addition to your contact products such as Liberty or Roundup to extend weed control later into the season.

6**CHUCK GRAU- North & East Central OH**

There has been a lot of field activity in my area the past two weeks. Anything from planting first time, replanting, spraying, and yes... I saw rotary hoes come out of the back of the shed that had not seen sunlight for years!

Planting is virtually wrapped up now with a few soybean replants still being done. Side dressing is in full swing and post spraying early planted beans is beginning to be done.

When scouting, I've noticed a high level of cutworms in non insecticide treated or non gmo corn fields. It was worse where there was high chickweed and purple deadnettle pressure. These observations continue to reinforce to me that a quality insecticide applied with the preplant herbicide is a very affordable and worthwhile application. Controlling these winter annuals in the fall with a planned weed control program will help spring insect pressure.

Remember this weed? HEMP DOGBANE



Are we experiencing another weed shift?

In Ohio especially, Liberty Link soybeans grew in popularity to become the main soybean herbicide sprayed for the past several years. For Beck's, well over 75% of the soybeans sold in Ohio have been Liberty traited.

"Liberty is a fantastic herbicide in controlling glyphosate resistant weeds, like marestail. It has been weak on some perennials like thistles, hemp dogbane and milkweed. Those weeds that I used to fight years ago, are now making a comeback." Joe Pack, Sales Agronomist

Hemp Dogbane is pictured to the left. Many growers have not seen this weed in so many years that it has been forgotten as to what it is. Here's your reminder.

For those planting Freedom Plus (LLGT27) soybeans, we have a solution. We can now not only spray Liberty but also glyphosate with the Liberty post. The addition of glyphosate in crop will help slow the comeback of these perennials. Planning a fall herbicide application is another good tool at our disposal.

ON-FARM RESEARCH YIELDS RESULTS!

This week we wrapped up the results of 20 on-farm trials comparing FMC's Ethos XB in-furrow insecticide/fungicide to a control with no ethos. The results were amazing!

What is it?

Ethos XB is a liquid fertilizer ready product containing Capture LFR and Ethos biofungicide. Ethos contains dormant biology that breaks dormancy and colonizes roots when exposed to soil and moisture. It then grows with the roots season long.

What does it control?

It provides season long suppression of the soil borne diseases fusarium, pythium, phytophthora, and rhizoctonia. It also controls seedling insects.

FMC has a stand guarantee stating Ethos will provide you a minimum of 1,000 more plants. So, we decided to put that to the test and see if Ethos can live up to these claims. This Spring, we did plant stand counts at 20 different locations, taking 10 stand counts in the Ethos treated and 10 stand counts in the check at each location. Here are the results!

Ethos provided a minimum of 1,000 more plants/acre in 18 out of the 20 on-farm tests! That's a 90% win ratio! Ethos averaged 1,716 more plants/acre than the untreated areas. Planting dates varied from late April to late May.