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## Summer/Fall Newsletter 2015



### Understanding Why Soybean Herbicide Leaf Burn is Necessary

This summer a lot of you noticed the leaf burn after postemergence spraying on your soybeans. This was not unexpected as the waterhemp populations in Iowa are becoming increasingly more roundup resistant. Most of the waterhemp that is poking above the soybean canopy late season is either somewhat or completely roundup resistant. In our effort to stay ahead of this problem we used herbicides from the PPO family which causes leaf burn in 2015. Unfortunately, we don't see this practice going away any time soon.

Many academic researchers tried to quantify yield loss from PPO herbicide leaf burn in the 1980s and 1990s. Much of the data did not show any yield loss because of soybean's plastic growth nature – being able to recover from stress conditions. Cobra burned soybean plants back to only stems but plant quickly recovered from growing points and at harvest there was no yield loss. Leaf burn from Flexstar does not always happen and predicting when and to what extent it may happen is impossible. Certainly, temperature, humidity, type of adjuvant and rate of adjuvant all factor into the risk. The higher the temperature and humidity the more likely (but not always) leaf burn will occur. Fortunately, soybean leaf burn from Flexstar seems

to be the least aggressive compared to Ultra Blazer and Cobra.

The most impacting factors on yield potential will be the growing conditions after leaf burn has occurred. If soil moisture is not lacking, if temperatures remain warm, if there is no pest interference, if fertility is not limiting, if growing conditions remain good then soybean plants can quickly recover with no yield loss penalty. Soybean has this almost unique quality of rapid recovery from early season stress (hormesis) – whether from herbicides or environmental (according to North Dakota State).

[Watch for our March Customer Meeting Information Early Next Year!](#)



### FALL GPS SOIL SAMPLE & VRT SPREADING

Want your fields GPS soil sampled this fall? Call in and get your name on the list early so fields can be sampled as they are harvested. Don't forget once your field is GPS soil sampled they can be VRT spread with fertilizer to help save money and time!

### EARLY SEED DISCOUNT DATES:

**November 20 – 8%**

**December 18 – 7 %**

**January 15 – 5%**



**Northern Corn Leaf Blight**

## **WHY IS MY CORN DYING SO EARLY THIS YEAR?**

We have gotten a lot of questions about why the corn is dying so early this year. The number one cause this year is Northern Corn Leaf Blight. It is due to the cool wet spring we have had. Last year was also a difficult year for that disease. Fungicides are effective in killing the pest but may need multiple applications to control in severe outbreaks. Another more current problem is Anthracnose. Anthracnose can cause stalk quality issues so you may want to talk to your crop advisor about which farms may need an earlier harvest. Other problems this year also include Gray Leaf Spot and Goss's wilt. While Gray Leaf spot can be controlled with fungicides but Goss's Wilt cannot. You will need to check with your seed advisor if Goss's Wilt has become an issue in your field.

**WE NOW HAVE TWIN BIN CAPABILITIES AT ALL 3 LOCATIONS WITH THE ADDITION OF A NEW TWIN BIN SYSTEM AT MUSCATINE AG!**

## **FALL HERBICIDES**

Now is the time to be planning fall herbicide applications. We have had really good success in controlling winter annuals and getting ahead of waterhemp populations using fall applications ahead of corn or soybeans. It may not be suitable for all fields but for those instances where there are escapes this year or traditionally bad winter annuals fall applications work quite well and for not a lot of money.



We will soon be offering financing options through Profit Partners (a division of Farm Credit) for Fertilizer and Chemical purchases. Seed Financing will still be available as in the past through Syngenta and Monsanto (at 0% interest for seed and chemicals). If you are interested in learning more, ask your Agronomy representative about this today!

## **PROTECT YOUR GRAIN QUALITY!**



As fall approaches remember to spray your bins to eliminate pests and protect your grain quality! **Tempo** is a safe and effective product for bins and buildings. Call us today for your Tempo needs!

**MUSCATINE AG HAS BUNK & HAY BALE FEEDERS AVAILABLE FOR SALE! CALL US TODAY!**

## **SUGGESTIONS?**

Our goal is to continually improve how we serve our customers. Therefore, we would love to have your suggestions and thoughts!

Prefer to receive newsletters by email? Contact our local office or email us at

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