

# Logan Ag News

March 2020

## Logan Agri-Yield Seed Guard

It's new for 2020 and available exclusively at Logan Ag! Logan **Agri-Yield™ Seed Guard** is an all-in-one seed treatment system containing **fungicide**, **insecticide**, **inoculation** and **plant growth regulator**. The Seed Guard Seed Treatment System provides unsurpassed protection for the young soybean plant during its developmental stages leading to **better stands**, **better plant growth** and **better overall plant health**. The end result? **Higher yields** and **greater profitability**.



**Agri-Yield Seed Guard PLUS** features the same all-in-one seed treatment system with the option to add in components including **nematicide (Aveo®)**, **biological (Terrasym® 401)**, and **Sudden Death Syndrome protection (ILeVO® or Saltro®)**.

Growers know early planted beans produce maximum yield, and early planted soybeans require the ultimate in disease and insect protection. Agri-Yield Seed Guard delivers! The Agri-Yield Seed Guard Seed Treatment System is available for all seed trait platforms. Ask your Logan Ag seed specialist for details and see the benefits in your field and in the combine at harvest.

Agri-Yield is a trademark of Logan Agri-Service, Inc. Aveo is a trademark of Valent. Terrasym is a trademark of New Leaf Symbiotics. ILeVO is a trademark of BASF. Saltro is a trademark of Syngenta.

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## LOCATIONS

- GRIGGSVILLE, IL 1-800-LOGAN AG
- WINCHESTER, IL 217- 730-0332
- PARIS, MO (Dean) 573-406-8579; (Megan) 217-617-3450
- PITTSBURG, OH (Jack) 937-692-5181
- LABELLE, MO (Andy) 660-341-0336; (Robert) 660-341-5471

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## Terminating Cover Crops

Cover crop planting gains popularity each year as growers seek to reduce tillage passes, decrease soil loss from water and wind erosion, and improve overall soil health. Last fall, cover crops were seeded on many Prevent Plant acres as means to help control weed growth and reduce possible issues from fallow syndrome.

Some plants such as radishes and turnips already show death of top growth. Fields with radishes have a distinctive odor as the crop decays. Rye and other grasses need to be controlled with herbicides. Logan Ag crop specialists recommend terminating cover crops at least 1-2 weeks before planting 2020 row crops.



Cereal Rye

Below are some suggestions from the University of Missouri and Iowa State University to consider as you plan spray application trips to terminate cover crops and/or winter annuals prior to planting.

- ✓ *Always try to spray during the heat of the day (midday) in sunny conditions. Ideally, daytime temperature should be near 60° for translocation of systemic herbicides such as glyphosate throughout the growing plant.*
- ✓ *Use full rates of herbicides and adjuvants. Review labeled rates for hard-to-control grass and broadleaf species. Herbicides don't work as well in cooler temperatures (see above).*
- ✓ *As a rule of thumb, do not attempt to include nitrogen in the burndown mix. Nitrogen can potentially "burn" grasses in cooler temperatures and cause "hit & miss" control.*
- ✓ *Check herbicide labels for planting restrictions following application.*

Logan Ag recommends Locktite™ spray adjuvant with nearly all burndown herbicides. Locktite may be used whenever the label requires a non-ionic surfactant or crop oil concentrate. Visit your Logan Ag warehouse in Griggsville, Winchester, Paris, LaBelle or Pittsburg.

Locktite is a trademark of Van Diest Supply Company

**GOOD NEWS!!! THE MAN WHO FELL INTO AN UPHOLSTERY MACHINE IS FULLY RECOVERED...**

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## Repeat Of 2019 – 2<sup>nd</sup> Year Of Major Spring Flooding

A National Weather Service river forecast predicts resumption of flooding along the Mississippi River and in Great Plains river basins this spring. The flooding, projected through late April, will make timely planting difficult for many growers once again in 2020.

Flooding is expected because of record precipitation in many areas over the past 12 months. The states of Iowa, Michigan, Minnesota and Wisconsin endured the wettest 12-month period in recorded history (going back 125 years) from February 2019 through January 2020. Montana, the Dakotas, Nebraska and Wyoming experienced the second wettest 12-month period during the same timeframe. Illinois, Missouri, Indiana and Ohio suffered through the third wettest season last year. All this rain has kept river levels high and soils saturated for months. Snow melt continues to contribute to higher water levels along many rivers.

Isn't it time for the most industrialized nation in the world to make changes in its infrastructure to protect its assets from these seemingly annual flooding events?

## Big Oil Exploring E15

Cheap ethanol, user acceptance, and tax breaks have big oil companies such as BP and Shell exploring the E15 market. E15 is now legal for sale thanks to easing of regulations by the Trump administration in 2019.

Ethanol currently accounts for one-third of the demand for U.S. corn annually. An increase from the standard 10% ethanol blend to 15% blend (E15) would have a substantial impact on home-grown corn demand.

Logan Ag offers E15 at its 24/7 Fuel sites in Griggsville and Milton.

Acceptance of the product by the general public has been slower than expected. Negative connotations from higher ethanol blends such as E85 for Flex Fuel Vehicles (reduced fuel economy) hurt sales of E15 initially. In recent months, sales of E15 at Logan Ag sites have gradually increased to 20-25% of total gas sales. E15 is priced 2¢ per gallon below standard E10 blends. Fuel economy is essentially the same, there are no noticeable differences in engine performance, and the higher ethanol content provides an octane increase of about 1 point.



**BURN WHAT YOU GROW! USE E15!**

## Cost Of Late Emerging Corn Plants

Agronomists have known for years there is a significant yield drag associated with late emerging corn plants within the row. It was believed that corn plants emerging more

than 48 hours after their row mates were the only plants affected. Recent research from Precision Planting and others indicates there is yield drag if all plants do not emerge within 8 hours of each other.

The reason for yield drag with late-emerging plants? It all has to do with plant growth stages. While the field may look “normal” after all plants eventually emerge and the rows fill in, the late-emerging plants may be as much as 1 to 2 growth stages behind in development. If a plant emerges so late that it is two full leaf collars behind its row mate, there is likely 100% yield loss. And, that late emerging plant continues to uptake available nutrients and moisture to sustain itself during the growing season while depriving its row mate of additional nutrients required to produce a larger ear.



Make certain your planter is properly calibrated before going to the field. Clear residue in front of the row unit to prevent seed from being hairpinned in the seed trench. Maintain consistent planting depth throughout the field – check depth as you plant. Use seed firmers to eliminate air pockets around the seed and maintain proper seed-to-soil contact.

Want to check the effect of late-emerging plants yourself? This will involve spending up to an hour in the field after planting is complete, but it may be the best investment of your time ever. Get several colors of flags from your local farm store. Measure 1/1000<sup>th</sup> acre at several sites in the field. Place one color flag next to plants that emerge the same day; use different colored flags for those that emerge one to two days later. Follow up in these areas throughout the season and check ear size and kernel count. The results will be very revealing and dramatic.

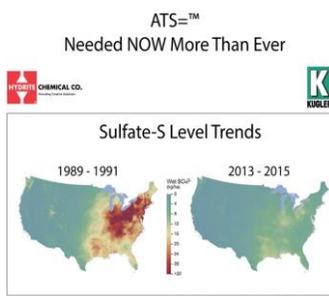
## Sulfur Is An Integral Part Of Weed ‘n’ Feed Programs

It's nearly time to plant and now you're thinking about SULFUR for corn. Considered a “free” nutrient for years, clean coal technologies adopted since the 1970's have greatly reduced sulfur emissions and crops often show signs of sulfur deficiency.

If sulfur has not been applied with dry fertilizer applications, a good means to supply S to the crop is liquid Ammonium Thiosulfate (12-0-0-26S). ThioSul mixes easily with 28% or 32% nitrogen solutions, herbicides and insecticides and can be combined as part of a weed ‘n’ feed program for application ease. Rates of 3 to 5 gallon ThioSul per acre are suggested

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and provide a foundation for yield success in corn and soybeans. Sulfur requirements in corn range from 10 to 15 LB per 100 bushels; in soybeans, up to 0.5 LB sulfur per bushel is recommended for optimum production



Logan Ag offers ThioSul in bulk and totes. Visit your local crop specialist and make plans to include sulfur nutrition in your 2020 crop plans.

## Final Comments

### Edward Logan, Logan Ag President

Good weather during the first week of March allowed for dry fertilizer and anhydrous ammonia application. With rain expected in coming days, we're glad for this period to get back into the field. We recently added another excellent tool bar to our rental fleet and have 3 custom application rigs available until planting season.

It's time to fertilize pastures! A balanced NPK blend helps bring grasses and legumes out of dormancy and provides necessary nutrients for much of the summer. Consider adding **Pasture Pro Mix** or **Pasture Elite Mix** if needed for renovation. I recommend protecting your nitrogen investment from surface volatilization with a urease inhibitor such as Factor. Pull-behind spreaders are available. Ask your crop specialist for specific product recommendations.

Starter fertilizer programs seem to be on the resurgence. Logan Ag has several liquid starter grades available in bulk or totes. Our **Agri-Yield Premier In-Furrow Mix** supplies micronutrients and plant growth hormones specifically designed to maximize the performance of starter fertilizer. Contact Brett Forsberg (217-855-7607 or [bforsberg@loganag.com](mailto:bforsberg@loganag.com)) for information on starters and micronutrient packages available at Logan Ag.

The effects of the coronavirus are felt in many aspects of our daily life. We've seen a dramatic decline in the value of the stock market, oil prices tanked, foreign trade has and possibly will be impacted for a long period of time, and we have found no cure for this deadly illness. One of our Griggsville friends, Dr. Torie (Johnson) Killian, is on the front lines of the battle as she works in a Seattle, WA hospital where many of the patients from a nearby nursing home are being treated. While it is our hope that "this too, shall pass", we pray for those who have been affected.

As planting season 2020 rapidly approaches, count on the professionals at Logan Ag for seed, crop protection chemicals, fertilizer, custom application and petroleum products. **LET US KNOW HOW AND WHEN WE MAY SERVE YOU!**

## Pasture Seed Mix Lineup Expanded

First introduced in 2019, Logan **AGRI-YIELD™ Pasture Pro Mix** was successfully seeded on pasture acres in Illinois and Missouri. Its mixture of high-quality grasses and legumes provides nutritious, season-long forage with proper fertilization.

### PASTURE PRO MIX

Coated and inoculated for fast emergence, seedling survival and stand establishment, Pasture Pro Mix	Cow Pro I Tall Fescue	40%
	Potomac Orchardgrass	20%
	Sierra Ryegrass	15%
	Climax Timothy	10%
	VNS Medium Red Clover	10%
	VNS Ladino Clover	5%

is the choice for producers seeking to economically establish new pasture or renovate existing acres.

For 2020, Logan Ag introduces **AGRI-YIELD Pasture Elite Mix!** Pasture Elite contains the essential elements of Pasture Pro with several improved varieties of grass and legumes.

### PASTURE ELITE MIX

<b>Cow Pro II Tall Fescue</b> is a high-yielding, new generation fescue variety with excellent heat and drought tolerance.	Cow Pro II Tall Fescue	40%
	Warrior II Orchardgrass	20%
	Sierra Ryegrass	15%
	Cow Pro Timothy	10%
	Medium Red Clover	10%
	Synergy Ladino Clover	5%

**Warrior II Orchardgrass** features improved resistance to stem and leaf rust, as well as increased yield. **Warrior II** was rated #1 in VA dry matter yield trials. **Cow Pro Timothy** is a taller plant with wider leaves and offers greater performance in volume and quality. **Synergy Ladino Clover** is a more persistent clover known for exceptional regrowth after grazing.

Seeding rate for Pasture Elite Mix is 25 LB per acre for new seeding; 12-15 LB per acre for pasture renovation. See your Logan Ag seed specialist in MO or IL for Pasture Elite Mix!

## Winchester Update

Bulk chemical and fertilizer tanks are in place at Logan Ag's Winchester facility. Containment systems are complete inside the building and crews have worked to plumb the new Junge mix system.

Outside, work continues on the loading pad. Ongoing favorable weather conditions should have the entire facility operational by mid-March. Logan Ag plans to operate two row crop sprayers and related nurse units from Winchester this spring and will offer "hot loads" to those who self-apply. 32% liquid nitrogen, ThioSul, water, and a complete lineup of seed and crop protection chemicals will be available.

**P.O. BOX 555  
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**RETURN SERVICE REQUESTED**

***Inside this issue...***

- ✓ *Pasture Seed Mix Lineup Expanded*
- ✓ *Terminating Cover Crops*
- ✓ *Cost Of Late Emerging Corn Plants*
- ✓ *And Much More...*

**COUNTDOWN TO PLANTING  
20 DAYS OR LESS...**



**Petroleum – Crop Protection Chemicals – Fertilizer – Seed – Custom Application**

