

Logan Ag News

June 2019

Sidedress Nitrogen Solutions

Following day after day of rain in April and early May and challenging field conditions that followed, some growers heeded the advice of a few agronomists who recommended planting corn and worry about nitrogen application later. Now, nitrogen must be applied and sidedress application equipment is scarce.

Here comes Logan Ag to the rescue! Logan Ag is equipped with 3 solutions to get the job done!



SIDEDRESS UREA: Urea can be applied through our AirMax unit in corn at rates to supply all or part of the N requirement for corn. Application can begin early

in the growing season and continue through at least the V12 growth stage. Always add some type of nitrogen protection for broadcast urea. We recommend Factor[®] if the application is used to provide supplemental nitrogen only and a stabilizer has been previously applied. NUE Charge[™] G is the recommended protection if the urea represents the majority of the nitrogen application and no previous stabilizer has been applied.

SIDEDRESS UAN: 28% or 32% liquid nitrogen may be injected into the soil using a pull-behind unit such as the Blu-Jet model in the picture.



This unit minimizes N loss due to volatility and is a very
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Beware Of Dicamba Application Restrictions

Roundup Ready 2 Xtend[®] soybeans dominate acres in western Illinois and other areas. New labeling for 2019 requires some changes in application. Below are a few guidelines as dicamba application begins.

- Use dicamba herbicides and tank-mix partners labeled for application to Xtend soybeans.
- Leave a buffer if wind is blowing toward a sensitive crop. If endangered species are present in your county, leave 57' buffer around all field perimeters in addition to the downwind buffer.
- Spray when wind speeds are moderate (3-10 MPH) and be wary of gusts.
- Application may occur only during the hours between one hour after sunrise and two hours before sunset. This helps alleviate the effect of temperature inversions.
- Lower spray boom height to 24" above the target.
- Reduce application speed below 15 MPH.
- Find out what soybean platform your neighbor plants to avoid costly problems later.
- Do not apply dicamba more than 45 days after planting. Check individual state guidelines for additional restrictions on spray dates.

In Illinois, June 15 is the last day to make dicamba application in soybeans. Dicamba provides some residual control of broadleaf weeds and the addition of a labeled tank-mix partner aids in extended weed control until bean canopy. Do not apply dicamba to soybeans after the R1 growth stage.

Dicamba application requires the use of adjuvants. Logan Ag recommends Cornbelt[®] VaporGard[™] + DRA at the rate of 5 pints per 100 gallons spray solution.

VaporGard + DRA combines a drift reduction agent, AMS-free water conditioner and non-ionic surfactant in one convenient formulation to maximize herbicide performance and reduce volatility and off-target movement. See your local crop specialist for additional information on this outstanding and economical dicamba adjuvant.

Roundup Ready 2 Xtend is a trademark of Bayer Group. Cornbelt and VaporGard are trademarks of Van Diest Supply Co.



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LOCATIONS

- * Griggsville, IL 217-833-2375; 1-800-LOGAN AG
- * Pittsburg, OH 937-692-5181 (JACK BAKER)
- * Paris, MO DEAN OSBORN 573-406-8579; MEGAN MORGAN 217-617-3450

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effective, efficient and relatively quick way to apply necessary nitrogen. If the sidedress application represents the majority of the N requirements for corn, a stabilizer is recommended. In this instance, Logan Ag recommends Instinct® II for outstanding below-ground nitrogen protection. Instinct II helps maintain applied nitrogen in the ammonium form, making it readily available for uptake by the growing corn plant in the form it prefers for maximum grain production.



DRIBBLE UAN: Dribble 28% or 32% is an option if neither urea nor injected UAN can be applied. Dribble application typically requires a high clearance sprayer with drop nozzles to place

nitrogen in a low pressure stream on the soil surface between corn rows. Rain is required to move applied nitrogen into the soil and Factor is recommended to prevent surface volatility.

Logan Ag has all three options available for customers. Stop by our locations to discuss post-plant nitrogen application.

Factor is a trademark of Midtech R&D, Inc. NUE Charge is a trademark of Verdesian Life Sciences U.S., LLC. Instinct is a trademark of Corteva.

2019 Grain Marketing

Jody Lawrence – Strategic Trading Advisors

After a new trade deal with China fell apart on Mother's Day weekend, prices seemed destined to continue to fall to levels not seen in over a decade. But a funny thing happened. The record rain in April and early May set in motion the slowest planting season in 8+ years. Continued moisture may make 2019 the slowest planted crop in history. Although a Chinese trade deal is still a possibility, the magnitude of 8 to 10 million unplanted acres could substantially change U.S. balance sheets while thankfully eliminating some of the choking supply in the world stocks numbers.



Marketing during a wet weather event is a different process than marketing during a drought as markets tend to move in a more grinding, but bullish, nature when it is wet. Accompanied with the excitement over higher prices is the reality that effectively using your insurance products and your agent's expertise is an absolute necessity in properly leveraging all your available tools.

While corn prices will be the biggest beneficiary of late U.S. planting, another issue is possible loss of yield potential for both corn and beans as what is planted will be put in the ground well after optimal planting dates. This is another price positive aspect as lower yields and

lower acres would help support prices all summer with the added kicker of a possible China trade breakthrough.

Looking at the big picture of record world supplies in grains and soy, the ongoing spread of African Swine Fever in SE Asia and the impasse in Chinese trade talks, the best **Sales Targets** to use for new crop will be [\\$4.20 for December corn futures](#) and [November soybean futures between \\$8.90 and \\$9.00](#). For all **old crop** bushels, look at [\\$3.95 in July corn futures](#) and [\\$8.75 in July soybean futures](#).

Good luck and have a great summer!

For additional marketing information, contact Jody Lawrence – Strategic Trading Advisors. 615-948-2378 or 615-591-4621.

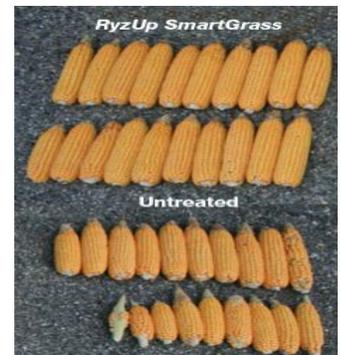
jblawrence@comcast.net

Add To Your Bottom Line

Spurring and increasing early season growth and development in corn and soybeans is especially critical in 2019 due to delayed planting. Logan Ag has experience with several products including **RyzUp® Smartgrass**, **Triad™** and **Agri-Yield™ Premium Foliar** that increase early season growth and provide consistent yield response in corn and soybeans.

RyzUp is a formulation of the naturally occurring plant growth regulator gibberellic acid. Applied at the rate of **0.5 oz. at the V5 growth stage in corn**,

RyzUp enhances early ear, vegetative and root growth. Several customers in the Griggsville area reported significant yield response in trials. Early season plant height, stalk diameter and root growth exhibited substantial increases.



Triad is a combination of three powerful hormones (cytokinin, gibberellic acid and auxin) designed to boost root mass and plant growth. Applied at the rate of **8 oz. per acre at the V4-V6 growth stage in corn**,

Triad helps maximize plant performance and increases yields by at least 6 bushels per acre on average in corn. Triad is also labeled for soybeans at the reduced rate of **4 oz. per acre. Applied at the V3-V4 growth stage**, growers realize yield increases of at least 2 bushels per acre on average. Logan Ag included Triad in its 100-bushel soybean production trial in 2018.



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AGRI-YIELD PREMIUM FOLIAR contains a balanced mix of micronutrients to increase plant growth, enhance overall plant health and defend against stress incurred by the plant. Growers consistently report yield increases of 6 bushels in corn and 3 bushels in soybeans. Premium Foliar's identical twin compound VersaMax™ AC is a Beck's PFR Proven™ product. PFR Proven was developed in 2016 to identify products and practices that are likely to be most profitable.



These fine products are highly recommended and may be applied in conjunction with many post-emerge herbicide programs. See your crop specialist today.

RyzUp is a trademark of Valent BioSciences. Triad is a trademark of MidTech R&D. Agri-Yield is a trademark of Logan Agri-Service. VersaMax is a trademark of MidTech R&D. PFR Proven is a trademark of Beck's Superior Hybrids, Inc.

Final Comments

Edward Logan, Logan Ag President

We have seed corn (several earlier maturities) and soybeans available in our warehouses for last minute needs. Talc USA 80/20 Graphite Blend seed talc is available in Griggsville and Paris.

I'm concerned about the current grain price situation (although it has shown some improvement in recent days) and the fact that many farmers have financed crop inputs including seed, chemicals, fuel and fertilizer through John Deere, Rabo or TruChoice with December pay dates. Working with a trusted market advisor such as Strategic Trading Advisors is essential so that sales can be made as the market dictates and not just when necessary to comply with payment deadlines. I have worked with Jody Lawrence for several years and have recommended his services to several of our customers. I encourage you to consider working with someone now to develop a sales plan tailored to the timeframe in which you need cash.

Later planted crops do not necessarily concern me this year considering the weather issues we experienced in April and early May. I encourage the use of plant growth regulators and micronutrients in corn and beans to spur early season growth and development as outlined in the preceding article "Add To Your Bottom Line". I believe we can speed plant development and maturity with plant growth regulators (PGR) by 7-10 days. ROI on these products is outstanding.

One of the fears of surface nitrogen application is loss due to volatility. Factor and NUE Charge G provide protection from volatilization for extended periods of time until rain takes nitrogen into the soil. These products are critical to the success of sidedress nitrogen.

Timing of post-emerge herbicide application in soybeans is critical for season-long control. I recommend the post trip no more than 28 days after planting.

Chinese Plant Explosion Impacts Production

A horrific explosion at a Chinese chemical production plant in late March causes immediate and long-term disruption in the manufacturing process of many commonly-used crop protection chemicals.



The Chinese government shut down 3 adjacent industrial parks in addition to the entire area where the explosion

occurred. Chinese authorities, already clamping down on the chemical production industry due to environmental issues, is expected to heighten inspections and shut down more production facilities which are not in compliance with new regulations. The March explosion is blamed on mishandling of benzene gas tanks.

Products manufactured at the now shuttered plants include **bifenthrin, sulfentrazone, fomesafen, clethodim, metribuzin and mesotrione.** BASF, Corteva, Syngenta, FMC, ADAMA and Bayer are major customers of these facilities and now must find alternative supply sources to fill needs for 2020 and beyond. Expect tight supply and likely price increases on some crop production chemicals until other manufacturing plants are located or constructed.

Early Season Pests

Several insects attack crops during the early growing season. Scout your fields for damage and apply insecticides before yield damage occurs.

Black Cutworm:

Intense flights of black cutworm moths occurred during the second week of April.



Fields with heavy winter annual weed pressure are ideal locations for egg laying. Cutting of young corn plants occurs approximately 300 GDD following an intense flight. Many insecticides offer effective control in corn.

Alfalfa Weevil:

Be on the lookout for leaf tip feeding by alfalfa weevils. Threshold for treatment is three or more larvae per stem. Alfalfa weevil causes tonnage and quality loss, as well as potential stand loss.



Potato Leafhopper: Look for yellow leaf tips and stunted growth from leafhopper damage. The discoloration is caused by a toxin injected into the leaf by the leafhopper as it sucks out plant juices. If "tip burn" is evident, treatment is likely justified. Many insecticides are labeled in alfalfa.



