

Logan Agri-Service, Inc

Griggsville, IL  
1-800-LOGAN AG

Star City, IN  
574-727-7804

April 2010  
Pittsburg, OH  
937-692-5181

The experienced custom application team at Logan Ag is ready to go! Call us today to schedule liquid or dry application on your farm. Our fleet features 3 row crop sprayers and 4 dry spreaders. We're ready to work for you this spring!

# LOGAN AG NEWS

## Plant Nutritionals

**A**dvertising of fertilizer additives designed to increase yield and economic return has increased in the agriculture media. Many products are available, and deciphering the rhetoric to determine what actually works is difficult. Logan Ag is pleased to offer a science-based product that performs.

**P MAX™** is a phosphate fertilizer additive that reduces phosphate fixation in the soil and improves uptake by the plant. Here's how it works. P MAX forms a bond around negatively charged phosphate. The bond enables positively charged elements in the soil such as calcium and iron to attach to the P MAX instead of attaching to phosphorus. The bond reduces tie-up of phosphorus in the soil, and makes it more available for plant uptake. Phosphorus availability is important in many growth functions of the plant, as well as improved grain quality. As a result of increased availability of phosphorus, yield increases are often realized. **P MAX does not reduce the amount of phosphorus to be applied.** Instead, it maximizes the efficiency of the application.

P MAX is available for both dry (DAP) and liquid (10-34-0 or other starter grades) of phosphorus. For DAP, P MAX must be impregnated on the fertilizer before blending with potash and/or nitrogen to form the bond around each granule. No special equipment or handling is required to utilize P-MAX with liquid products, and no additional agitation is necessary.

Contact your Logan Ag crop specialist right now for additional information on P MAX, and plan to include this "nutritional" in your 2010 fertility program. P MAX is a trademark of Midtech R&D, Inc.

## Call 1-800-LOGAN AG

**L**ooking for some of the hard-to-find herbicides such as Optill™, Sharpen™, Integrity™, Capreno™, Authority® First, Gangster® or Sonic™? Call your Logan Ag crop specialist in Griggsville, IL, Pittsburg, OH or Star City, IN to inquire about availability. Through our relationship with multiple distributors, Logan Ag often locates products that are out-of-stock or sold out at other retailers.

No one can afford to be out of diesel fuel when the tractor needs to be operating. Logan Ag has two bulk delivery trucks, as well as semi-transport trailers for on-farm delivery of quality diesel fuel including *premium* B11 biodiesel in western Illinois. Biodiesel from Logan Ag is blended with only pure soybean oil that meets or exceeds all ASTM specifications. Logan Ag also gives you several choices of motor oil and lubrication products to keep your equipment operating at peak efficiency.

Corn and soybeans from Mycogen Seed and Lewis Hybrids are in stock available for immediate delivery or pickup at Griggsville. Seed specialists Troy Kennedy and Wayne Bingham are available to discuss seeds to maximize your yield and profit potential. Steve Crosby serves Indiana customers at his Star City warehouse with Mycogen Seed products. We're ready to serve your last minute seed requirements with high yielding hybrids and varieties at competitive prices.

When problems develop in your fields – weeds, insects, diseases, etc. – the agronomy team at Logan Agri-Service is

there is assist in identification and provide recommendations for treatment. Scouts will examine your fields and relay information to two Certified Crop Advisers on staff. The Logan Ag spray team is prepared to make timely herbicide, insecticide and fungicide applications to control or eliminate the problems in your field.

Weather issues have prevented many from timely anhydrous ammonia application. Logan Ag provides custom pre-plant application service with our 17-knife tool bar. After planting, utilize our nitrogen solution applicator for post-emerge nitrogen placement. We recommend N-Serve® with anhydrous ammonia and Instinct™ with nitrogen solutions to avoid nitrogen loss and maintain top yields.

When the chips are down, and you need products or services fast, call Logan Ag at 1-800-LOGAN AG.

Optill, Sharpen and Integrity are trademarks of BASF. Capreno is a trademark of Bayer. Authority is a trademark of FMC Corporation. Gangster is a trademark of Valent U.S.A. Corporation. Sonic is a trademark of Dow AgroSciences LLC. N-Serve and Instinct are trademarks of Dow AgroSciences LLC.

## Donate To Leukemia & Lymphoma Society

Dani Davis, daughter of Logan Ag VP Edward and Ronda Logan, has been nominated by the Leukemia & Lymphoma Society as Woman of the Year in St. Louis. Davis' nomination initiates a 10-week campaign to raise money to aid the efforts of the Leukemia & Lymphoma Society in finding cures for blood cancers. Dani has dedicated her campaign in memory of her grandfather Ron Moore who

passed from lymphoma in 2003.

Dani worked in the Logan Ag office for several summers while in high school and college. Her goal is to raise at least \$10,000 during her campaign. Tax-deductible donations may be mailed to: **DANI DAVIS, 9230 Old Bonhomme Rd., St. Louis, MO 63132.** Online contributions can be made by visiting [gat.mwoy.illsevent.org/DaniDavis](http://gat.mwoy.illsevent.org/DaniDavis)

Dani thanks you in advance for your consideration.

## Don't Continue Mining P And K

High prices for DAP (P) and potash (K) over the past two years, as well as poor weather conditions prevented some growers from applying removal rates of fertilizer for corn, soybeans and alfalfa. With adequate moisture levels, most yields have remained high. However, don't rely on the false belief that reduced or no P and K application will carry crops through the 2010 growing season.

Fields that have sustained yields over the past two growing season without proper P and K fertilization have "mined" soil fertility levels. Recent soil tests confirm this fact as many fields exhibit lower P and K readings.

University research demonstrates the need for adequate phosphate and potash fertility. Kansas State University tests showed that neglecting proper phosphate fertilization can reduce corn yields more than 30%, caused in part by inadequate utilization of nitrogen. Ohio State agronomists showed that inadequate potash fertilization impaired corn yields by 20% even when nitrogen rates were increased by one-third. Purdue University tests revealed the

probability of yield response to P and K fertilizer based on soil test category\* in the chart below.

Soil Test Level	Probability of Yield Response	Potential Magnitude of Yield Response
Very Low	>80%	50%
Low	60 – 80%	25 – 50%
Medium	40 - 60%	0 – 25%

\*Adapted from Purdue University information

Your Logan Ag crop specialist is available to help plan your 2010 fertilizer application. Call today for current prices and application schedules, as well as assistance in determining the correct rate of DAP and potash to apply for top yields. Our spreader rigs are ready to make application to your fields right now!

## Gentlemen - Start Your Planters

It's time to go! Here are a few last-minute reminders.

In general, delay planting until soil temperature in the top 2" reaches 50° by mid-day.

Optimal planting dates for Central Illinois range from April 10 to May 9. On average, corn yields are reduced by 1 bushel per acre for each day of planting after May 10.

Plant full-season hybrids first. Full-season hybrids (114 days+) have greater yield potential and greater potential for yield loss if planting is delayed past May 10. After the full-season hybrids, review tasseling dates of your mid- and early-season numbers with your seed rep to avoid all planted hybrids tasseling at the same time.

Maintain consistent planting depth of at least 1-1/2". Shallow planting often leads to improper development of brace roots.

Above all – be safe!