

Still need to apply NH₃? Let Logan Ag custom apply ammonia while you move on to more important tasks. Contact Troy, Dave, Jeff or Wayne at Griggsville.

LOGAN AG NEWS

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Logan Ag Adds Warehouse

Logan Ag announces the opening of a warehouse at **25721 Business Hwy 24 in Paris, MO**. Managed by Dean Osborn, the warehouse is located in the Premier Contractors building immediately north of the City of Paris Electric and Street Department.

The warehouse location provides east-central Missouri customers ready access to Logan Ag's complete lineup of crop protection chemicals including herbicides, insecticides, fungicides and adjuvants. Top-yielding Mycogen brand seed corn and soybeans are also available.

Contact **Dean Osborn** at **573-406-8579** for pricing, product availability and delivery.

Maintain/Protect Winter Wheat

More fields of wheat dot the landscape this year, and it's time to consider steps to boost production levels.

Topdress nitrogen application should be scheduled as soon as soil conditions permit. Either nitrogen solution (28% or 32%) or dry urea is acceptable. The single most important factor to be considered with any surface application of nitrogen is N loss due to volatilization. Volatilization is generally considered to occur in warm temperatures. Actually, nitrogen volatilization occurs from a variety of factors including crop residue level, moisture, temperature, soil pH and windy conditions. Research at Iowa State suggests that a portion of urea-based fertilizers (nitrogen solutions or dry urea) may be lost to volatilization well in advance of warmer spring

weather conditions.

Logan Ag recommends the inclusion of Agrotain[®] products with UAN or urea for better N management. Two formulations of Agrotain are available. **Agrotain[®] Ultra** may be mixed with nitrogen solutions at the rate of 1.5 quarts per ton or impregnated on dry urea at the rate of 3 quarts per ton. Benefits include:

- ✓ *Stops nitrogen loss from surface volatilization for up to 14 days*
- ✓ *Reduces immobilization of nitrogen in high residue (no-till) situations*
- ✓ *Maximizes economic yield*

Agrotain[®] Plus is highly recommended for use with nitrogen solutions at the rate of 15 LB per ton. Agrotain Plus combines the benefits of Agrotain Ultra *and* helps protect against leaching and denitrification of the urea portion of nitrogen solution. By protecting against denitrification, nitrogen remains in the ammonium form for a longer period of time and supplies the growing plant with the form of nitrogen preferred for uptake. Agrotain Plus is easily mixed with 28% or 32% liquid nitrogen.

If not applied last fall, include sufficient P and K fertilizer for your yield goal with the nitrogen application. Logan Ag recommends urea be applied with an Air Flow unit *or* double spread with a spinner to avoid uneven application patterns.

Your Logan Ag crop specialist is ready to discuss wheat fertilizer application with Agrotain.

One of the major yield-robbing diseases in wheat is **head scab**. Head scab attacks wheat during the critical flowering period. Moderate temperatures (75 to 85° F), prolonged high humidity and wet periods favor disease development. The disease

pathogen is thought to be present throughout the state of Illinois, as well as surrounding states. By the time symptoms appear on wheat heads (see picture below), it's too late to manage the disease and kernel production is impacted.



Head Scab
Heads are bleached or have both green and bleached areas.



Kernel development is impacted.

There are few means to control head scab in wheat. The only "in-season" option for control is a foliar fungicide. The product of choice is **Prosaro™**. Prosaro helps maximize wheat production by controlling scab.

Table 1. Feekes Growth Stage – Boot to Flowering Completed	
Scale	Description
9	Early boot stage
10	Late boot stage (sheath split)
10.1	First spikelet of head just visible
10.2	One-fourth of head emerged
10.3	One-half of head emerged
10.4	Three-fourths of head emerged
10.5	Head emergence complete
10.5.1	Beginning of flowering (for wheat)
10.5.2	Half of florets have flowered
10.5.3	Flowering complete
10.5.4	Kernel watery ripe

Applied at early heading (10.51 on the Feekes Growth Stage chart in the preceding column), a preventative application of Prosaro protects wheat from both scab and leaf diseases. Grain quality and yield is improved when the fungal pathogen that causes head scab is present and conditions are conducive for infection.

Discuss Prosaro application with your Logan Ag crop specialist.

Agrotain is a registered trademark of Phosphate Resource Partners Limited Partnership and is licensed exclusively to Agrotain International, LLC. Prosaro is a trademark of Bayer.

Return To Basics

Growers are returning to soybeans in 2011 to take advantage of higher prices and lower input costs. There are several basic practices to consider when planting soybeans.

- **Soil Fertility:** Apply maintenance levels of DAP and potash to support your yield goal. Beans remove 1.85 LB DAP and 2.15 LB potash per bushel. Logan Ag's suggested application rate for 60 bushel production level is 110 LB DAP plus 130 LB potash at minimum. Optimal soil pH is 6.5 or above. Apply ag lime before planting if soil pH is <6.0.
- **Seed:** Start with good genetics and proper maturity. Logan Ag suggests **Lewis** or **Mycogen** brand soybean varieties in the 3.6 to 4.1 maturity range for acreage 60 miles on either side of I-72/US 36 in Illinois. Northern areas should consider early-to-mid Group 3 maturity, while southern areas typically plant early-to-mid Group 4 beans. Consider cyst-resistant beans if available.
- **Seed Treatment:** Seed treated with fungicide to protect against early season

diseases such as *Pythium* and *Rhizoctonia* is essential. Your seed supplier has several choices of treatment.

Use of inoculation is highly recommended.

Nitrastik S, a dry form of inoculation that *sticks to the seed*, is available. A small added expense for inoculation yields big dividends.

- **Planter Calibration:** Check your planter or drill for proper placement and planting depth. Keep plant population at recommended levels. Excessive planting rates increase seed cost and often decrease yield.
- **Weed Control:** Start with a clean field at planting time, and use burndown herbicides to control existing weeds. Use of a residual herbicide to prevent early-season weed emergence is a "no-brainer". Initial in-crop application of glyphosate should be made when weeds and grasses are less than 4-5" tall to prevent yield loss due to competition.
- **Insect/disease Control:** Application of a fungicide plus insecticide at R3 growth stage improves plant health and provides better yields. Slow release nitrogen at R3 often improves yield.

See Troy Kennedy, Wayne Bingham or Jeff Butler in Griggsville, Steve Crosby in Star City, Jack Baker in Pittsburg; or Dean Osborn in Paris for specific recommendations.

Order Fungicide Now For Rebates

The time is now to order corn, wheat and soybean fungicides for savings. Take advantage of \$100/gallon rebate on **Headline®** or \$140/gallon rebate on **Stratego® YLD** or \$50/gallon on **Prosaro®** for orders placed by March 15, 2011. Call today! Headline is a registered trademark of BASF Corp. Stratego and Prosaro are registered trademarks of Bayer.