

Logan Ag News

October 2017

New Tool To Maximize Manure Value

Thanks to a label change, Instinct® nitrogen stabilizer may now be added directly into manure pits to maximize the value of nitrogen when applied to fields. Research at the University of Minnesota shows corn **yields are increased 10-12 bu./acre and grain moisture at harvest is reduced 1.3%** when Instinct is applied with swine manure in fall applications.



Instinct nitrogen stabilizer works in the same manner as N-Serve®, and slows the conversion of ammonium nitrogen to nitrate nitrogen in the soil. Extending the

availability of ammonium nitrogen later into the growing season allows greater and more efficient nitrogen uptake by the plant to achieve maximum yield potential and positive return on investment.

To blend Instinct nitrogen stabilizer in manure pits and/or lagoons, follow these management practices.

- ✓ **Calculate the number of acres the pit/lagoon could potentially treat at your applied gallonage. Instinct is added on a per-acre basis.**
- ✓ **Agitate as normal. Instinct is not recommended**

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Fall Burndown Herbicides Control Winter Annuals And More

Remember this past spring when you made the decision to apply fall herbicides?

Perhaps the picture to the right helps jog your memory. Winter annual weeds such as henbit, chickweed, and mares-tail are much easier to control in the fall as seedlings than in the spring after over-wintering and gaining



ground cover. Neither tillage nor herbicides are particularly effective controlling winter annuals in the spring due to tremendous early season growth and cool temperatures.

Fall application of herbicides provide many benefits.

- *Reduction in spring workload (at least one less tillage pass and/or elimination of spring burndown application)*
- *Warmer soil temperature due to less weed cover allows for earlier and more timely planting with the benefit of better plant emergence and the potential of higher yield*
- *Reduced pressure from black cutworm and slugs*

Many herbicides are labeled for fall application, with some providing the benefit of allowing flexibility between planting corn or soybeans in the spring. Logan Ag crop specialists can aid you in developing a fall program to fit your needs and budget. A few of our recommendations are listed below.

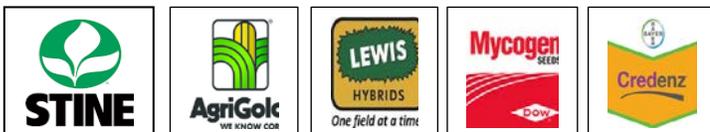
- 6 oz. metribuzin DF + 1 pint LV6 2,4-D* + COC. This program provides residual control into the spring and rotational flexibility.
- 1.25 oz. Basis® Blend + 1 pint LV6 2,4-D* + COC. This program provides residual control into the spring. Corn must be planted following application.
- 2 oz. Valor® SX + 1 pint LV6 2,4-D* + COC. This program provides residual control into the spring and rotational flexibility.
- 0.3 oz. Autumn® Super + 1 pint LV6 2,4-D* + COC.

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LOCATIONS

- * Griggsville, IL 217-833-2375; 1-800-LOGAN AG
- * Pittsburg, OH 937-692-5181 (JACK BAKER)
- * Paris, MO 660-327-1111 (DEAN OSBORN, MEGAN MORGAN)

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if agitation is not available.

- ✓ **Add Instinct at multiple sites in the pit/lagoon to ensure thorough mixing of the product.**
- ✓ **Apply manure/Instinct mixture as soon as possible after mixing and agitation. If application is delayed for more than 7 days, agitate again.**

RECOMMENDED INSTINCT II RATE PER ACRE

| | |
|--|--------------------|
| When applied before Oct.1 and/or soil temperature above 60° F. | 74 oz./acre |
| When applied before Nov. 1 and/or soil temperature between 50° F and 60° F. | 56 oz./acre |
| When applied after Nov. 1 and/or soil temperature below 50° F., and for any spring application | 37 oz./acre |

INSTINCT II RATE CALCULATION FOR LIQUID MANURE

| | | | | | | | | |
|---------------------------------|---|-------------------------------|---|-------------------------|---|-----------------|---|---------------------------------|
| _____ | ÷ | _____ | x | _____ | ÷ | 128 | = | _____ |
| Number of gallons in pit/lagoon | | Manure application rate per A | | Use rate of Instinct II | | 128 oz. per gal | | Gallons of Instinct II required |

Protecting manure nitrogen is a large investment for farmers. To help reduce cost, Dow announced a program – MAXIMIZE YOUR MANURE REWARDS – to provide a rebate on Instinct. Instinct purchases from September 1, 2017 through November 30, 2017 qualify for a rebate of \$1.32/acre to \$2.64/acre depending upon use rate and total gallons purchased. Ask your Logan Ag crop specialist for additional information on Instinct nitrogen stabilizer and the rebate program.

Logan Ag Co-Founder Betty Logan Passes At Age 92

With sadness, we report the passing of Betty Logan on September 14, 2017. Betty was born on a farm east of Perry, IL on March 24, 1925. She married James Logan on March 4, 1944 in Perry, and he preceded her in death in 2013.

Betty attended a one-room grade school near the family farm, and graduated from Perry High School in 1940 at the age of 15. She obtained a 2-year teaching certificate from Western Illinois State Teachers College in Macomb, and began a 38-year teaching career at the age of 17-1/2.



She eventually earned a Bachelor's degree from Quincy College and a Master's degree from Western Illinois University. She had a positive impact and created lasting

impressions on hundreds of students in the Griggsville/Perry area. In recognition of her work in the field of education, Betty was named one of the Outstanding Elementary Teachers of America in 1973.

While teaching, Betty assisted her husband Jim with office work both during the school year and summer months after the family business was established in 1962. Upon retirement from her teaching career in 1981, Betty assumed bookkeeping duties for Logan Agri-Service, Inc., and remained at work in the office each day until shortly before her death.

Betty will be deeply missed by her family and friends, as well as the many customers, sales representatives, and visitors to the Logan Ag office who were always greeted by her warm smile and friendly hello.

Surviving is a son, Edward Logan (Ronda) of Griggsville, a granddaughter Dani Davis (Josh) and two great-grandsons Fletcher Davis and Fitz Davis of St. Louis, MO, a sister, Glenola Six Heginbotham of Portland, OR, and several nieces, nephews, and cousins.

Graveside services were held September 21, 2017 at the family plot in the Griggsville Cemetery.

To recognize and honor Betty's long commitment to the field of education, a memorial fund has been established to provide educational opportunities for students in the Griggsville-Perry School District. Memorial contributions may be made to the Community Foundation Serving West Central Illinois & Northeast Missouri, 4531 Maine, Suite A, Quincy, IL 62305 or <http://www.mycommunityfoundation.org/donate-now-2/>.

Wide Variance In World Prices For Gasoline

Due to reduced world prices for crude oil, some foreign countries such as Saudi Arabia may drop their subsidies on petroleum products such as gasoline. Below is a look at gasoline prices around the globe, expressed in U.S. gallons and U.S. dollars, as of 9/18/17.

| | | | |
|--------------|--------|------------|--------|
| Saudi Arabia | \$0.91 | Canada | \$4.01 |
| Iran | \$1.36 | Japan | \$4.34 |
| Iraq | \$2.43 | Brazil | \$4.68 |
| Afghanistan | \$2.48 | UK/Ireland | \$6.14 |
| Russia | \$2.60 | Germany | \$6.17 |
| USA | \$2.89 | France | \$6.24 |
| Mexico | \$3.78 | Israel | \$6.67 |
| China | \$3.83 | Norway | \$7.73 |

Production Tips For 2018

The growing season of 2017 had many challenges. Too much early rain and record replant, too dry during the summer months, resistant weeds, dicamba drift, and Japanese beetles come to mind immediately as

the primary issues faced by growers this year. Logan Ag crop specialists believe some of the ideas below can help growers prepare for challenges the 2018 growing season may bring.

- **Add sulfur** to all corn fertility programs.
- **Use soil insecticide at planting in corn** to control secondary insects such as white grubs and reduce potential numbers of Japanese beetles.
- **Apply fungicide to every acre** of corn and beans.
- **Don't cut back on herbicides.** The best method of controlling herbicide resistant weeds is to keep them from emerging. Use full rates of pre-emerge herbicides followed by labeled layered-residual post-emerge herbicides during in-crop applications.
- **Add foliar micronutrients** such as Logan Agri-Yield Premium Foliar to post herbicide applications in corn and beans to alleviate plant stress and increase yield.
- Plant **full season (112-114 day maturity) corn hybrids** to add bushels at harvest.
- **Treat (fungicide, insecticide, SDS, inoculation) all soybean seed.**
- Consider **biological products (growth stimulants)** in corn and soybeans.

Final Comments

Edward Logan, Logan Ag President
Yield reports from the area are better than expected. I've seen a corn test plot report with **305 bushels per acre** from Macoupin County, IL, and know of a 20-acre soybean field near Perry, IL that averaged **105 bushels per acre**. It's hard to believe these yields, but new genetics that are pampered with high fertility, excellent weed control, properly timed fungicide and insecticide application, and foliar micronutrients will turn out the bushels.

The passing of my mother, Betty Logan, was very difficult for our family. Just 7 weeks prior to the day of her death, she had been at work in the office. She was diagnosed shortly thereafter with Stage IV colon cancer, and her condition deteriorated very rapidly. Mom declined treatment of any kind, and we are thankful for Blessing Hospice, Illini Hospital, Liberty Village, and the caregivers who helped my family attend to her in her home and nursing home. Mom was a fixture in the Griggsville/Perry community and in our business, and she will be missed by many. I want to extend my thanks to everyone who called, sent cards, brought food to the home, contributed to her memorial fund, posted wonderful remarks on Facebook, and offered prayers. We know Mom is in a better place now and, along with Dad, is now watching my every move!

Logan Ag offers application of anhydrous ammonia. We have two tractors ready to roll as soon as soil temperature drops to around 50° F. Contact your crop specialist to schedule application. We also purchased two more rental tool bars for our fleet and have plenty of nurse tanks to keep everyone running during the heat of the season.
WE APPRECIATE YOUR BUSINESS! LET US KNOW HOW AND WHEN WE MAY SERVE YOU AGAIN!

This program provides residual control into the spring and rotational flexibility.

- 2.5 oz. Canopy® DF + 1 pint LV6 2,4-D* + COC. This program provides residual control into the spring. Soybeans must be planted following application.
- 2.8 oz. Scepter® DG + 1 pint LV6 2,4-D* + COC. This program provides residual control into the spring. Soybeans must be planted following application.
- 1 LB Princep® 90 + 1 pint LV6 2,4-D* + COC. This program provides residual control into the spring. Corn must be planted following application.

*Reduced rates of 2,4-D combined with reduced rates of dicamba products such as Distinct® may provide more consistent burndown of existing winter annual weeds. Dicamba can be applied in the fall with no concern of drift to neighboring crops or carryover into spring plantings.

Soils should be adequately cooled by October 15 to begin application. Logan Ag has two sprayers ready to apply fall burndown herbicides in western Illinois. Give us a call for products and recommendations today, and get a head start on weed control in 2018. You'll be glad to see those clean fields next spring!

Basis Blend and Canopy are trademarks of DuPont. Valor is a trademark of Valent USA. Autumn Super is a trademark of Bayer. Scepter is a trademark of AMVAC. Princep is a trademark of Syngenta. Distinct is a trademark of BASF.

NH3 Application Season Approaches

As harvest progresses through the month of October, many growers will begin preparations to apply anhydrous ammonia for the 2018 corn crop. The good news on anhydrous ammonia is that prices have dropped significantly compared to 2017. Logan Ag suggests following these guidelines for fall NH3 application to reduce risk and reduce nitrogen loss.

Safety is king! Wear goggles, unlined rubber gloves, and long-sleeved shirt. Keep plenty of water on hand for first aid. Make certain valves are completely shut off and bled down before disconnecting hoses.

Wait for proper soil temperature. Wait to apply in the fall until soil temperature at 4" depth is 50° F. Soil temperatures above that level have active bacteria that work to break down ammonium nitrogen.

Use a nitrogen stabilizer. N-Serve® is one of the most widely used stabilizers, and helps keep nitrogen in the preferred ammonium form for an extended period until N is required by the growing crop.



Inject ammonia at proper depth. Operate knives at a depth of 6" and make certain there is sufficient dry soil to adequately cover the slot to prevent loss of ammonia vapor. An occasional "puff" of vapor from the slot is generally acceptable; a "cloud" of vapor is too much loss.

