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Silver

Edge



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Locations

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Mission Statement

"Our mission is to provide superior customer service and knowledge of the many agricultural fields while working with our customers to see them strive for success. We are dedicated to our work and the always changing fields of Agriculture."



BURNDOWN DAYS

On Friday August 26th, we held our annual Burndown Day for producers doing corn silage. We had DairyLand Laboratories doing the analysis and ran close to 60 samples through the chipper. Most of the samples were ranging from 68% to 70% moisture.



When doing corn silage for a bunker or a bag, it is recommended to be at 68% moisture and for a silo 65% moisture.



Always remember that here at SilverEdge we have the ability to determine the best corn hybrids to plant on your acres specifically for corn silage to obtain high quality and high tonnage silage for your operation.



Great Starts Program

SilverEdge
Cooperative

Jennifer Winch Bolsinger • Coop Sales & Technology • jennifer@silveredgecoop.com

On Monday August 22nd we held our annual Weaning and Starter Meeting at the Edgewood Locker Event Center. We had a very good turn out with close to 30 producers. Cam Schulte with the Delaware County Beef Producers Association grilled the Ribeye's, and they were spectacular! For speakers we had Mark Tegeler with Diamond V and Tracy Coffland with Purina. If you were not able to attend the meeting, here we will recap some of the information that was discussed.

Mark Tegeler with Diamond V went over the basics of the rumen, gut health and how having the Diamond V Yeast in your cattle's feed is a true advantage. Which is why in almost all of Purina's cattle feeds you will find Diamond V Yeast on the tag.

Tracy Coffland with Purina talked about the Purina Great Starts Program and the different feed options that are available. Not one feed is going to work for every producer, which is why Purina has a complete line up to fit every producers operation. Below you will find some of the products that were discussed.

Complete Potential

Accuration Starter Complete

Fed as the sole ration, this coarse-textured feed, which includes roughage, utilizes intake Modifying Technology to help assure the targeted intake of 3% body weight. Proper intake is essential to help minimize metabolic disorders and support rumen health. It contains Availa 4 Organic Trace minerals and Diamond V XPC Yeast to support immune status.

Complete Fast Start

Precon Complete Starter

Fed as the sole ration, this pelleted feed, which includes roughage, is highly palatable getting cattle eating quickly to restore nutrients lost through the stress of weaning and shipping. Targeted intake is 3% of body weight. It contains Availa 4 organic trace minerals to support immune system.

High Forage +

Stress Care 5

Fed at 5 pounds per head per day along with unlimited supplies of good quality pasture, hay or other forage. This pelleted started is designed to deliver a potent dose of essential nutrients for stressed cattle in a small inclusion package. Purina's most palatable starter feed gets cattle eating quickly. It contains Availa 4 organic trace minerals and Diamond V Original XPC Yeast to support immune function.

High Forage

Purina Stress Care Tub

A highly palatable molasses based tub supplement for stressed or weaned calves. It contains Availa 4 organic minerals to support immune status. This tub also contains Diamond V Original XPC yeast, and high levels of vitamins and minerals to restore nutrients lost due to stress of weaning and shipping.

Thank you to all the producers that were able to attend the meeting, we hope you were able to take away some information that will help you with your operation.

FAQ: FDA Veterinary Feed Directive Regulation

BEGIN JANUARY 1, 2017

Q: What is a VFD drug?

A: A VFD drug is a drug intended for use in or on animal feed that is limited to use under the supervision of a licensed veterinarian.

Q: What is a VFD Order?

A: A Veterinary Feed Directive Order (VFD) is a written (nonverbal) statement issued by a licensed veterinarian in the course of the veterinarian's professional practice that authorizes the use of a VFD drug in or on an animal feed. The VFD authorizes the client-recipient (producer) to obtain and use animal feed containing a VFD drug.

Q: Can you provide a quick overview?

A: The FDA has taken important steps toward fundamental change in how medically important antibiotics can be legally used in feed or water for food-producing animals. The agency is moving to eliminate the use of such drugs for production purposes (i.e., growth promotion & feed efficiency) and bring their remaining therapeutic uses in feed & water under the supervision of licensed veterinarians – changes that are critical to ensure these drugs are used judiciously and only when appropriate for specific animal health purposes. This rule is an important part of the agency's overall strategy to ensure the judicious use of medically important antimicrobials in food-producing animals.

Q: What does judicious use mean?

A: The dictionary definition of judicious is: Having, showing, or done with good judgment or sense. As it pertains to this regulation, the FDA believes it is important that these medically important drugs (important for treating human disease) to be used under the guidance of a licensed veterinarian for appropriately targeted animals at risk for a specific disease and that they be used for a limited duration.

Q: When will I need a VFD to order these medicated feeds?

A: VFD's are currently required for Tilmicosin and Florfenicol. A Veterinary Feed Directive will be required for the expanded list of antimicrobial drugs included in animal feed beginning 1/1/17.

Q: What is the objective?

A: To include veterinarians in decision-making process. Two key principles: Limit use of medically important antimicrobial drugs to those uses considered necessary for assuring animal health (i.e., therapeutic purposes) and to increase veterinary involvement/consultation.

Q: What are the responsibilities of the producers?

A: These are the important facts that producers should be concerned with:

1. Animal feed containing a VFD drug must be fed according to a VFD issued by a licensed veterinarian
2. Do not feed a VFD feed after the expiration date on the VFD
3. Provide a copy of the VFD order to the distributor of the VFD animal feed
4. Maintain all VFD records for 2 years

Q: As a producer, what should I be doing right now?

A: You should make it a top priority to develop a relationship with your local veterinarian.

Q: What is the definition of a vet/client relationship?

A: According to the AVMA, a Veterinarian-Client Relationship, or VCR for short, exists when your veterinarian knows your animal well enough to be able to diagnose and treat any medical conditions it develops. In other words, there won't be a 1-800-VFD-LINE.

Q: What is a distributor?

A: Anyone who distributes a feed containing a VFD drug to another person—may be another distributor or the client-recipient of the VFD.

Q: How does this affect water meds?

A: Medically important water soluble/concentrates will be converted to RX prescription by Dec. 2016. This is different than a VFD

Q: What is the handling process for a VFD?

A: VFD orders may be handwritten or sent electronically. While electronic formats are allowed, the 21 CFR Part 11 storage requirements must be met. The process of electronic or paper submission is still being determined and will be communicated to you.

Q: How about label claims, will they be eliminated?

A: Yes. Production label claims (Growth promotion/feed efficiency) will no longer be allowed beginning January 1, 2017.

Q: Can you show me an example of a VFD so I can see what information is needed?

VFD example

Veterinary Feed Directive

Veterinarian: _____ Client: _____
Address: _____ Address: _____
Phone: _____ Phone: _____
Fax or email (optional): _____ Fax or email (optional): _____

Drug(s) Name: _____ Drug(s) Level: _____ g/ton Duration of use: _____
Species and Production class: _____ Number of reorders (refills) authorized (if permitted by the drug approval): _____
Indications for use (as approved): _____
Caution (related to this medicated feed, if any): _____

USE OF FEED CONTAINING THIS VETERINARY FEED DIRECTIVE (VFD) DRUG IN A MANNER OTHER THAN AS DIRECTED ON THE LABELING (EXTRALABEL USE) IS NOT PERMITTED

VFD Date of Issuance: _____ (Month/Day/Year) VFD Expiration Date: _____ (Month/Day/Year) (As specified in the approval; cannot exceed 6 months after issuance)
Approximate Number of Animals: _____
Premises: _____
Other identification (e.g., age, weight) (optional): _____
Special Instructions (if any): _____

Affirmation of intent (for combination VFD Drugs) (check one box):
☐ This VFD only authorizes the use of the VFD drug(s) cited in this order and is not intended to authorize the use of such drug(s) in combination with any other animal drugs.
☐ This VFD authorizes the use of the VFD drug(s) cited in this order in the following FDA-approved, conditionally approved, or indexed combination(s) in medicated feed that contains the VFD drug(s) as a component:

Drug(s)	Drug Level(s) and any Special Instructions

☐ This VFD authorizes the use of the VFD drug(s) cited in this order in any FDA-approved, conditionally approved, or indexed combination(s) in medicated feed that contains the VFD drug(s) as a component.

Withdrawal Time (if any): This VFD Feed must be withdrawn _____ days prior to slaughter

Veterinarian's Signature: _____

Q: What are the affected drugs?

- Chlortetracycline
- Lincomycin
- Neomycin
- Oxytetracycline
- Penicillins
- Sulfadimethoxine
- Sulfadimethoxine + Ormetoprim
- Sulfamethazine
- Sulfamethazine + Chlortetracycline
- Tilmicosin
- Tylosin
- Virginiamycin

Q: Why these drugs?

A: These drugs have been deemed medically-important for human use. All uses of antimicrobial drugs, in both humans and animals, contribute to the development of antimicrobial resistance, it is important to use these drugs only when medically necessary.

Q: Which Drugs will Not need a VFD?

Dewormers (Ivermectin, Praziquantel, Pyrantel Pamoate)

Coccidiostats (Decox, Bovatec, Amprolium)

Ionophores (Monensin, Rumensin)

Growth Hormones

Q: Will a VFD cost me money?

A: Early indication from veterinarians is that for a "call" to write a VFD, many will charge. A range of \$25-\$50 per call has been discussed, though not confirmed.

For questions not answered, please call us at our Edgewood location. (563) 928-6419



Manager's Report

Tony Hemann • Manager, CEO • tonyh@silveredgecoop.com

Dear Members,

Happy New Year and Happy Birthday! That's correct, it's a new fiscal year here at the Co-op and it's also our 85th year of serving you! I want to give a big "Thank you" to everyone that took care of their account before the end of the fiscal year. Your co-op had another good year, thanks to your continued support! Mark your calendars for the Annual Meeting, it is to be held on November 28th, at which time we will be able to share all the information and highlights of this past year with you. At the end of July, the directors authorized payment of \$180,000.00 of Deferred Patronage. If you have not cashed your check yet, please do so as soon as possible.

Have you ever thought about being a director for the SilverEdge Cooperative? Well, now is your chance. Three director terms are up for election at the upcoming annual meeting, if you are interested, please give us a call and we will put you in touch with the nominating committee.

By the time this newsletter reaches you, I'm sure the harvest will be well underway, PLEASE have a safe harvest! We want to be able to work with and serve you for many more years!

HARVEST PUMPKIN BARS



INGREDIENTS

2 1/2 cups all-purpose flour	1 2/3 cups sugar
3/4 cup Land O Lakes® Butter	1/3 cup milk
2 large Land O Lakes® Eggs	1 (15-ounce) can pumpkin
1 1/4 teaspoons baking powder	1 1/4 teaspoons baking soda
1 teaspoon salt, ground cinnamon and pumpkin pie spice	
1/2 teaspoon ground cloves	powdered sugar

DIRECTIONS

1. Heat oven to 350°F.
2. Combine all bar ingredients in bowl. Beat at medium speed, scraping bowl often, until well mixed.
3. Pour batter into greased 15x10x1-inch baking pan. Bake 25-35 minutes or until bar springs back when touched lightly in center. Cool completely.
4. Place paper doily over cooled pumpkin bars; sprinkle bars with powdered sugar. Carefully remove doily.

Employee Spotlight

In every issue of Ag Edge, you will find an Employee Spotlight, which will provide you a chance to get to know your cooperative's employees.



Chuck Meyers has been with SilverEdge Cooperative in Edgewood for 25 years come October 1st. You will see Chuck mostly behind the wheel of the blue semi, hauling grain to and from the coop. Chuck also helps out the agronomy department in the spring and fall driving tender trucks, along with various yard work jobs. Chucks wife Deb, runs an in-home day care and they have 2 children and 1 grandchild. Their oldest Leanne lives in Clarksville with her husband, Jared and their daughter Emersyn, who is 2 years old. Both Leanne and Jared are school teachers, Leanne at Clarksville and Jared at Waverly-Shell Rock. Chuck and Deb's youngest, Mitch, lives with them and works at FE Welterlen Motors in Edgewood. What Chuck likes best about working at

SilverEdge is, "That it is something different everyday; whether being outside around the yard or on the road trucking". Chuck explains what's changed the most for him at the coop over the years, "From 1 location to 3, more grain storage, the equipment, sprayers, and the trucks have greatly improved".



Roger Battin has been working for SilverEdge Cooperative for over 12 years at the Edgewood location. Roger does various jobs around the coop depending on the season. In the spring and summer you may find Roger in the dry floater, and in the fall and winter, you will most likely see him in a semi, hauling grain to and from the coop. Roger has been married to his wife Jane for 35 years. Jane works for Farmer Savings Bank in Colesburg. They have lived near Woodcenter for the past 13 years. Their children are Sam (wife Kristie) and Laura. They have two grandchildren: Carter, age 9, and Bella, age 6. Both Sam and Laura also work at SilverEdge in Edgewood. Roger explains what he likes best about the Co-op, "Working

together with all the employees to get the job completed each season." For Roger, what has changed the most in his years of service with SilverEdge is, "The technology and size of the equipment we use in the application of the fertilizer and chemical, they have gotten larger and more computerized."



Purina® Hydration Hay® Original Horse Hay Block is a premium blend of quality grass and alfalfa hay that has been compressed into a convenient, lightweight block. Simply drop the block into a bucket of water and it will quickly absorb water to make moist, palatable hay. Recommended for all horses at all life stages.

FEATURES & BENEFITS



Dropped in water



Soaked for 5 minutes



Ready in 10 minutes

Promotes Water Intake for Proper Hydration

The stress of travel can cause many horses to struggle with proper water intake when on the road. With Purina® Hydration Hay® Horse Hay Blocks, your horse can receive consistent, quality forage and proper hydration at the same time.

Convenient, Lightweight and Easy to Use

Each block only weighs about 2 pounds, so they are easy to carry, feed and travel with. The blocks are compressed, so they take up less room in your truck or trailer.

Quickly Absorbs Five Quarts of Water

The patent-pending compression and hydration process allows each block to soak up five quarts of water to make moist, palatable hay.

Compressed Blend of Premium Grass and Alfalfa Hay

Contains consistent, quality grass and alfalfa hay that provide the nutritious roughage horses need.

Reduces the Need to Haul Water and Large Bales of Hay When Traveling

Most horses prefer the taste of their water from home. But Purina® Hydration Hay® Horse Hay Blocks mask the “odd” taste of foreign water sources, so you can use local water when on the road. No more hauling large, heavy bales of hay and water from home!

Patent-pending Purina® Hydration Hay® Soak Technology

After numerous scientific formulations, trials and refinements, we’ve found a way to deliver consistent, quality nutrition in a lightweight, convenient and easy-to-feed compressed block horses just love.

Convenient Way to Deliver Oral Medications and Supplements

The moist hay is a great way to get oral medications, dewormers and supplements into your horse. Please consult your veterinarian before administering medications.

2016 - 2017 FALL GRAIN SERVICES

CORN MOISTURE DISCOUNT

All corn received at SilverEdge Coop that is over 15% moisture will be discounted as follows:

15.1 % and above Discount: **4.0 cents/ point**

SHRINK FACTORS

Corn: 1.45%

Soybeans: 1.5%

Corn purchased, contracted or on Price Later will be shrunk to 15%.

Corn for storage or grain bank will be will shrunk to 14.0%.

BEAN MOISTURE DISCOUNT

All soybeans received at SilverEdge that test over 13% moisture will be discounted as follows:

13.1% and above Discount: **please call for current discounts**

STORAGE CHARGES

Regular Corn Storage: 14.0 cents/bushel for the first 90 days, 3.0 cents/bushel per month for the next 9 months. 3.5 cents/bushel per month after 1 year.

Regular Bean Storage: 15.0 cents/bushel for the first 90 days, 3.0 cents/bushel per month for the next 9 months, 4.0 cents/ bushel per month after 1 year.

Grain Bank: 5.0 cents/bushel for the first 90 days, 2.0 cents/ bushel per month for the next 9 months, 3.0 cents/ bushel per month after 1 year.

(MUST BE PROCESSED INTO FEED)

CORN AND SOYBEAN DISCOUNTS

TEST WEIGHT

CORN: All corn received at SilverEdge Coop that is under 54.0 lbs. test weight will be discounted as follows:

53.9 – 52.0 Discount: **1.0 cent/ point**

51.9 – 50.0 Discount: **2.0 cents/ point**

49.9 – 45.0 Discount: **3.0 cents/ point**

44.9 – below Discount: **4.0 cents/ point**

BEANS: All beans received at SilverEdge Coop that is under 54.0 lbs. test weight will be discounted as follows:

53.9 and below Discount: **1.0 cent/ pound**

DAMAGE

CORN: All corn received at SilverEdge Coop that is over 5.0% damage will be discounted as follows:

5.1 and above Discount: **1.0 cent/ point**

Corn that is over 15% Damage is Subject to Rejections or Such Discounts Agreed upon by Buyer and Seller.

BEANS: All beans received at SilverEdge Coop that is over 2.0% damage will be discounted as follows:

2.1 and above Discount: **3.0 cents**

HEAT DAMAGE

CORN: All corn received at SilverEdge Coop that is over .02% heat damage will be discounted as follows:

.03 - .05 Discount: **2.0 cents**

.06 and above Discount: **1.0 cent per additional 10th**

BEANS: All beans received at SilverEdge Coop that is over .02% heat damage will be discounted as follows:

.03 - .05 Discount: **2.0 cents**

.6 and above Discount: **4.0 cents for each half % over 0.5**

FOREIGN MATERIAL

CORN: All corn received at SilverEdge Coop that is above 3.0% F.M will be discounted as follows:

3.1 – 4.0 Discount: **2.0 cents/ point**

4.1 – 10.0 Discount: **3.0 cents/ point**

BEANS: All beans received at SilverEdge Coop that is over 1.0% F.M will be deducted from weight.

OTHER FACTORS

Heating 10 cents COFO 10 cents Sour 10 cents Weevils 10 cents Must 10 cents

1. Current Scale of Discounts on date of discounts will prevail over other discounts.

2. Buyer Reserves the Right of Rejection.

3. Schedule is subject to change without notice.

NOTE: OR ANY FRACTIONS THEREOF.

The Importance of Macronutrients

Laura Battin • Agronomy Sales • laura@silveredgecoop.com

Thinking about applying dry fertilizer this fall, but not sure how much you should apply and what products? We all know that nitrogen, phosphorus and potassium are essential to growing corn and soybeans for example, but why?

When we think of growing corn, nitrogen and phosphorus are the main nutrients to think about. Nitrogen is essential in being the building blocks to proteins, enzymes, and chlorophyll, creating a nice healthy, vibrant plant throughout the year. When it comes to applying nitrogen, most growers prefer to apply in the spring as nitrogen will be utilized soon and less time for nitrogen loss vs the fall. Again depending on the grower's preference, fall can be a great time to apply nitrogen as well. The form of application in the fall would be anhydrous ammonia. If a grower decides to apply nitrogen in the fall, it is best to add in a stabilizer, like N-Serve and wait to apply when soil temperatures are 50 degrees and dropping as cooler temperatures and nitrogen stabilizers help minimize the conversion process so that the ammonium will be ready for spring use.

Phosphorus helps in root development and early vigor in the spring. Phosphorus is needed in higher amounts in corn then compared

to soybeans, but phosphorus is still very important in soybean development. When making decisions as to what you will be planting and where, that is something to keep in mind.

Potassium needs are usually associated with legume crops such as soybeans and alfalfa. Potassium helps in converting nitrogen into proteins in the crop. Soybeans naturally have higher protein levels vs corn, which is why soybeans have a higher requirement of potassium needed for the growing season.

As you can see, even though some macronutrients are required in higher amounts than others depending on the crop that is being grown, it is still important to have adequate nutrient levels throughout the growing season as each nutrient will be used by that crop.

Looking at how much of each nutrient you should apply varies greatly from field to field. What will you be growing next season, how will the crop be removed, and what is the field's fertility? The most important diagnostic tool you can have in determining rates, is having up to date soil tests. By having up to date soil tests done on the farm regularly, you can pin point where in the farm needs more attention vs other areas

that are already at optimum levels. You can build your soil up to a level that is optimum to grow whichever crop you plan to plant. If you are removing the crop as corn silage for example, you are actually removing more nutrients as you are taking the whole plant, so more nutrients will need to be added back for next year's crop.

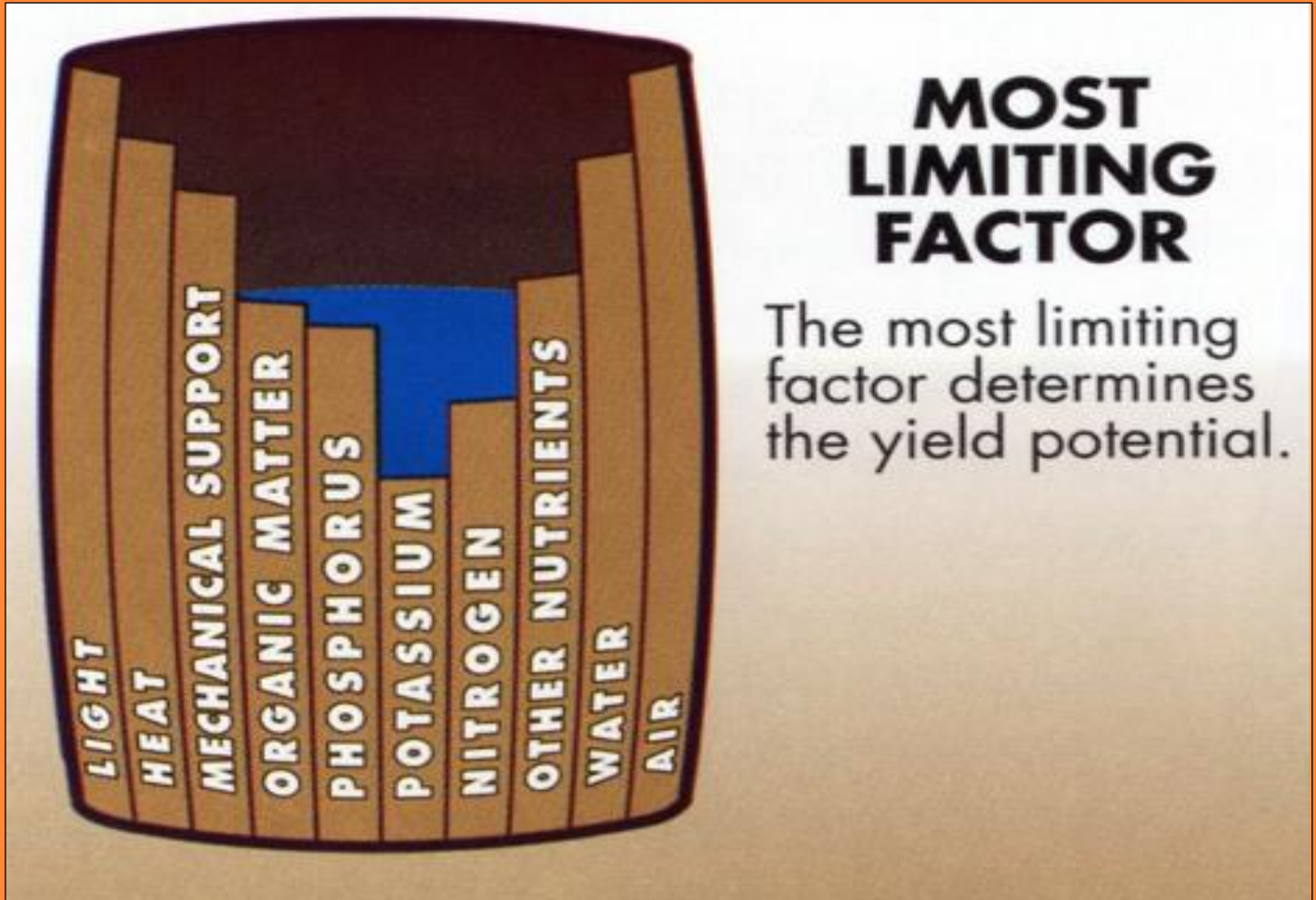
Now, let's take a look at how much N, P and K is removed from the soil with a 200 bushel corn crop and a 60 bushel soybean crop.

A 200 bushel corn crop will remove roughly 200 units of nitrogen, 75 units of phosphorus or 165 pounds of DAP, and 60 units of potassium or 100 pounds of potash.

A 60 bushel soybean crop will remove roughly 50 units of phosphorus or 110 pounds of DAP and 80 units of potassium or 130 pounds of potash. Soybeans will actually leave you with a nitrogen credit in your soil depending on yield. A 60 bushel soybean crop may leave you with a 30 unit nitrogen credit.

So, depending on what next year's plans are, talk to us here at SilverEdge to help you determine what rates to apply and when to apply to get that big yield!

Thank you for your business and have a Happy Harvest!





N-Serve®

PROTECTS NITROGEN AT THE PLANT ROOT ZONE

NITROGEN STABILIZER

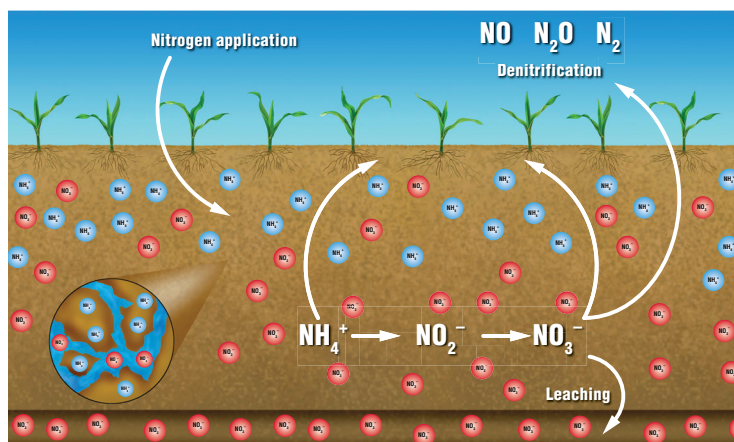
N-Serve® Nitrogen Stabilizer

- Active ingredient is nitrapyrin
- Oil based formulation that mixes well with anhydrous ammonia
- Optimizes yield potential of corn when used with anhydrous ammonia
- Proven and trusted technology for over 35 years

How Does N-Serve® Work?

N-Serve® inhibits the Nitrosomonas bacteria in the soil keeping Nitrogen in the stable ammonium form longer and protected from leaching and denitrification.

What Happens to Unstabilized Nitrogen?



When Do Nitrogen Losses Occur?

Most Nitrogen Losses occur during the Spring:

- Spring Rains and warm soil temperatures lead to heavy losses through both leaching and denitrification.
- Stabilizing with N-Serve® greatly reduces both leaching and denitrification protecting nitrogen in the root zone.

Application Rates

Fall applications

1 quart per acre

Spring applications

Pre-emerge: 1 quart per acre

Sidedress: 0.5 to 1 quart per acre

Stronger, Healthier Plants

- Increased yield
- Improved standability
- Reduced risk of stalk rot
- Increased grain protein
- Faster crop drydown

For more information about N-Serve® visit www.NitrogenStabilizers.com or contact your local Dow AgroSciences sales representative.