



Challenges and Opportunities: Your Company is Ready



Dean Thernes
President/CEO

Every year around this time I ask myself, “Where did the growing season go?” It seems like we just planted the crop and now we are busy with harvest! The rains this year were obviously spotty at best and very short. As always, I want to say “thanks” to all of you, our member-owners, for your support this past growing season. This is your company and Farmers Pride’s mission is to serve

you with the best products, recommendations, and service in the industry.

Your Board of Directors voted to retire equity. The board approved pay outs to birth year 1954 and business year 1997. The checks will be sent out in the next few weeks. We thank you for your continued support!

In a move to continue to upgrade facilities and services, the board of directors approved some significant agronomy plant upgrades this past year. The new 10,000-ton dry fertilizer plant in Battle Creek is complete and ready for fall applications. This plant will allow for the quickest load-out times in the industry, while allowing us the ability to fill with product that our current plants cannot hold. All our current storage facilities will continue to serve their local markets with this additional storage supplementing their supply. Equipment upgrades and a building was also upgraded at the Osmond location for the liquid fertilizer and bulk chemical set up.

The Answer Plot tours were held this August with

our agronomy partner/supplier Winfield United. It is this connection that brings you the “best in class” agronomy recommendations designed not to sell you “more stuff” but products and programs that are designed for your absolute bottom-line benefit. There is a difference between agronomy retailers—it’s worth the time to check out how we can make a real difference in your fields.

As you might expect, the crew at Farmers Pride worked very hard to get you the products you needed where you needed them this summer. Spraying season had challenges this year with product availability and timing, but we were able to take care of the fields. Please talk early to our agronomists this year with 2023 crop plans so we can make any necessary adjustments prior to next spring’s plantings.

The reliable supply we receive from Cenex (with the cooperative ownership of refineries) through the pipeline systems proves again the cooperative system and its relationships is well worth the investment and commitment. It’s summers like this one that can challenge fuel supplies and timely deliveries!

Our irrigation fuel/propane delivery team was challenged with extremely long hours, and worked in some very tough conditions this summer. Many thanks to their dedication and all the Farmers Pride employees who help make your company better! We recognize every day the importance of great employees and we are very proud of the team and the service they provide.

Farmers Pride remains committed to face the various challenges and opportunities keeping your company successful in the future—and your continued support plays an important part of this success.

Please be safe during the fall harvest!

Grain Department



Layne Bussey
Grain Marketing

Our most recent Producer Wire from Advance Trading and Brian Basting offered some useful information going into harvest. December 2022 corn futures are almost \$1.00 above the spring crop insurance price, nearly \$3.00 above the five-year average for December futures at this time of year, and a 10-year high. This has resulted in exceptionally high gross revenue for 2022 corn production in many areas.

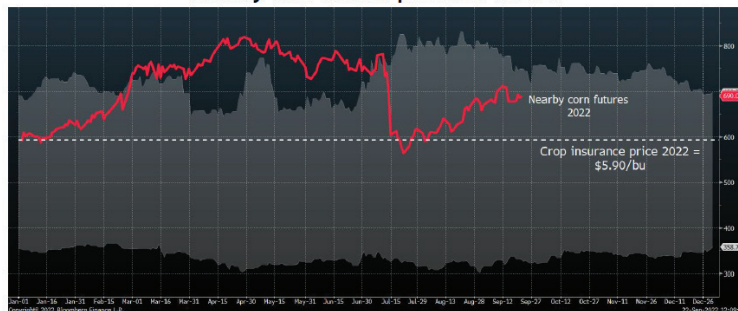
The United States corn harvest has begun with the USDA this week pegging nationwide progress at 7% complete. With generally dry weather forecast over the next two weeks for most of the growing areas, progress is likely to accelerate into early October. As producers, you understand the importance of getting control of your bushels and defending your balance

Gross Corn Revenue Per Acre										
	\$6.90	\$966	\$1,104	\$1,242	\$1,380	\$1,518	\$1,656	\$1,794	\$1,932	\$2,070
	\$6.80	\$952	\$1,088	\$1,224	\$1,360	\$1,496	\$1,632	\$1,768	\$1,904	\$2,040
	\$6.70	\$938	\$1,072	\$1,206	\$1,340	\$1,474	\$1,608	\$1,742	\$1,876	\$2,010
	\$6.60	\$924	\$1,056	\$1,188	\$1,320	\$1,452	\$1,584	\$1,716	\$1,848	\$1,980
Cash Corn	\$6.50	\$910	\$1,040	\$1,170	\$1,300	\$1,430	\$1,560	\$1,690	\$1,820	\$1,950
Price (\$/bu)	\$6.40	\$896	\$1,024	\$1,152	\$1,280	\$1,408	\$1,536	\$1,664	\$1,792	\$1,920
	\$6.30	\$882	\$1,008	\$1,134	\$1,260	\$1,386	\$1,512	\$1,638	\$1,764	\$1,890
	\$6.20	\$868	\$992	\$1,116	\$1,240	\$1,364	\$1,488	\$1,612	\$1,736	\$1,860
	\$6.10	\$854	\$976	\$1,098	\$1,220	\$1,342	\$1,464	\$1,586	\$1,708	\$1,830
	\$6.00	\$840	\$960	\$1,080	\$1,200	\$1,320	\$1,440	\$1,560	\$1,680	\$1,800
		140	160	180	200	220	240	260	280	300
Actual 2022 Corn Yield (bpa)										

sheet as harvest takes place. That is underscored in 2022 by the attractive gross revenue that is available in many areas.

For example, at \$6.85, December 2022 corn futures are almost \$1.00 above the spring crop insurance price of \$5.90, nearly \$3.00 above the five-year average for December futures at this time of year, and a 10-year high. Although corn yields have mainly fallen short of initial expectations, they remain considerably above the severely reduced levels

Nearby corn futures prices: 2012-2022



Source: Bloomberg

seen in 2012, when December futures made an all-time price high. To quantify the current situation, the matrix above shows the cash corn price on the vertical axis and the realized yield on the horizontal; ex. if a producer realizes a 220 bushel per acre (bpa)



yield (highlighted), then gross revenue per acre would be \$1,408 with a cash corn price of \$6.40.

Now is an important time to consult with your Farmers Pride grain marketing team to execute a marketing for realized production!



Agronomy Department

Is it time to resample?



Josh Skrdla

Pierce Location Manager

Can updating your grid samples save you money in these times of high input costs? Have you manured your fields, done dirt work, or been exposed to severe wind and/or runoff erosion? How current have you been at keeping your soil sampling up to date? Let's look at a few of the many benefits you could take advantage of by re-gridding this fall.

Soil pH is the most important management factor affecting nutrient availability. The availability of each nutrient varies across the pH spectrum as you can see in figure 1. The sweet spot for soil pH, in order to maximize the uptake efficiency of most of the essential nutrients,

is at a range of 6.5-6.8. If soil pH falls below 5.5, nitrogen, phosphorus, magnesium, boron, and molybdenum become less available.

Conversely when the pH is above 7.5, the availability of iron, manganese, copper and zinc becomes limited.

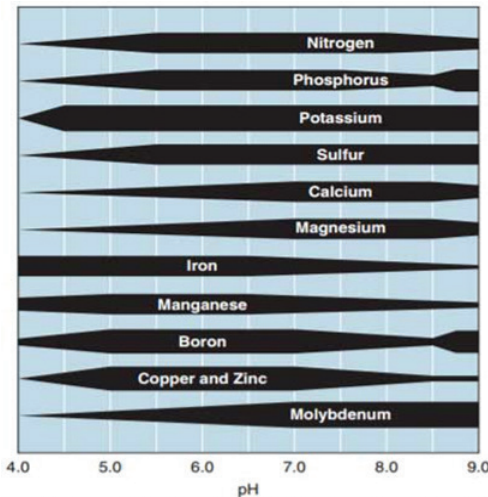


Figure 1. Impact of soil pH on nutrient availability (University of Illinois Agronomy Handbook).

becomes limited. Last season we saw fertilizer prices for macro nutrients take steep increases. In comparison, ag lime's increase was nominal rising only slightly for the most part to cover increased transportation costs. Using updated grid data to apply a variable rate liming prescription is the most cost-efficient step you can take in your farming operation this year to correct nutrient deficiencies.

Soil pH affects the effectiveness of your herbicides too. D.W. Franzen and R.K. Zollinger wrote an article titled "Interaction of Soil Applied Herbicides with Soil pH" for the 1997 Central Extension-Industry Soil Fertility Conference. In that article, they list three key interactions between varying pH and residual herbicides that can affect your operation:

- Increased risk of crop injury. When a nutrient unbalance in your crop is caused by pH outside of our optimum range plant stress occurs. That plant stress makes your

crop more susceptible to injury caused by the application of certain herbicides.

- Unsatisfactory herbicide performance. Low pH can cause increased adsorption of positively charged herbicides by soil colloids decreasing their activity.

- Increased carryover of certain herbicides in high pH soils.

Those herbicides persist in a high pH environment mostly due to a decreased rate of hydrolysis. Hydrolysis would typically divide a chemical structure in acidic environments and aid in their breakdown. Sulfonylureas and triazines are two examples of herbicide families that rely on hydrolysis for breakdown. Carryover potential of these herbicides above a pH of 7 is increased. The same variable rate liming prescription that increases nutrient availability on your farm will help with the first two of these three key interactions.

Lastly, re-gridding will make your macro nutrient applications more efficient. Our variable rate prescriptions typically build low macronutrient areas of the field while mining some from high macronutrient areas. In theory, this should be simply adding and subtracting. First grade math, right? In reality, silage gets cut, bumper crops get grown, livestock move fertility, low areas get filled in, hills wash and the wind blows. All of these factors affect the top inch of our soil. Which in a no-till or minimum till system is where the majority of the fertility is. Updating the grid data that we use in these prescriptions helps us track our progress. It allows us to correct for overbuilding and overmining, taking into account field work and natural events that have moved soil. The high price of fertilizer today makes it more important than ever to put what is needed where it is needed.

To answer the initial question, yes, re-gridding can save you money. I like to resample every 5 years on average. With our current price environment more frequently might be prudent. You can pay for resampling a gridded field in the lime application alone. To put it into perspective, at current prices it only costs 18 pounds of MAP to resample your gridded field.

Work with your Farmers Pride agronomist to develop crop plans that will provide superior weed control, adaptable crop rotations and proper crop safety!



Stories, Rumors, Predictions & The Rest of the Story!



Dave Spencer
Sales & Marketing

The past six months the marketplace has been filled with stories, rumors and economic predictions that have certainly raised questions by the consumer on what they “hear” and to what extent they may or may not be true.

When customers ask about these “stories” it reminds me of the famous radio broadcaster,

Paul Harvey and his daily show, “The Rest of the Story”. Harvey’s ability to present “stories” as little-known or forgotten facts on a variety of subjects with some key element of the story (usually the name of some well-known person) held back until the end. The broadcasts always concluded with a variation on the tag line, “And now you know...the rest of the story.”

Since February we have kept track of several of these “stories” that hit the media, thinking at that time, “where do these stories start, and do they ever hold true?” We all know trying to predict future events such as the markets, the weather and sports outcomes are difficult. And most of the time we never go back and revisit the claims or predictions to see whether they did indeed come true. Let’s share a few predictions made this spring and early summer and just see where those “stories” are today.

“Rolling Black Outs were going to be experienced by everyone this summer”-this one we might think could be true for as of hot as a summer the Midwest and most parts of the US experienced this summer. Results- only recently in early September did California experience some “rolling brown outs” but other than that, much of this prediction did not come true.

“Food Shortages will be felt by everyone”-this one felt serious when large grain shipments were not coming out of Ukraine, due to the war with Russia. Results- so far if you visit the grocery store, most products are in stock. It might be a different size than you prefer, or a different brand, but so far, so good on this prediction not coming true.

“Diesel Exhaust Fluid shortages”-this one might have stemmed from the high price of fertilizer (of which is what DEF Fluid is made from) but social media had pictures of truck stops with signs showing “Out of DEF Fluid” Results- as a large mover of DEF Fluid, Farmers Pride did not experience any difficulty in receiving shipments from our

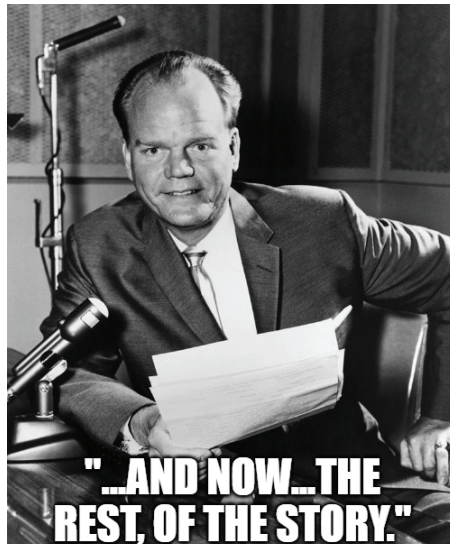
supplier. In fact, our supplier published a letter stating there we no shortages of product whatsoever. Again, another story that was not true.

“Crude Oil will average \$140/barrel the months of July and August”-this prediction was made by a reputable Wall Street banking firm likely betting that demand would out-strip supply, hence raising prices. Results- crude oil hit a high in early July at \$110/barrel with the price falling every since. Evidently the predictors did not “predict” the economy slowing down, interest rates rising and the consumer cutting back on their demand. The average price of crude oil for July/August was \$95/barrel and never went higher than \$110.

“\$6 per gallon of gas will be the national average this summer”-again, this was likely predicted due to world-wide tight supplies, European energy crisis and high consumer demand. Results- \$5.04 was the highest gasoline average price in the United States.

“3-6” major hurricanes will hit the United States Gulf Coast”-this prediction was made in July, and its implication that if the hurricanes would hit the US Gulf Coast, where major crude oil refining capacity is located, ultimately affecting the price at the pump. Results- so far through early September, no hurricanes have hit the US Gulf Coast. There are still two months ahead in the traditional hurricane season, but so far, so good on the storms.

The point of these examples, to quote the great Paul



Harvey again with, “The Rest of The Story” is that there is the rest of the story. Predicting the future is so difficult to do. And too many times the market is hit with “stories” that either get started with no basis or based on assumptions that depend too much on factors that can certainly change.

At Farmers Pride our goal is point out the various sides of the story that will help you make a good business decision. Another way to say it describing the “high-impact media wow story lines” is Farmers Pride is here to help you clarify the chaos we read, hear and see nearly every day. And now you know.....“the rest of the story!”

Energy Department

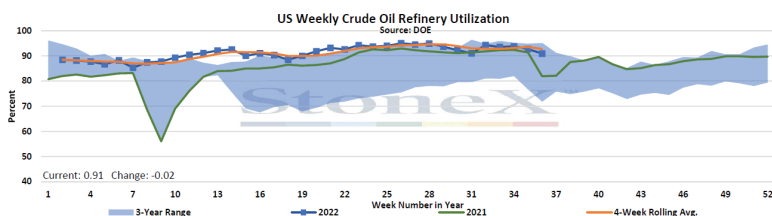
So where are these energy prices going??



Dave Spencer
Sales & Marketing

Our last visit together in this space we asked the questions, “why is diesel so high priced?” And “are there going to be diesel shortages?” And while we have attempted to answer these from a local and world-wide perspective three months ago, prices have dropped (-\$1.76 NYMEX Price) since late April and supply was very good as we went thru a very high irrigation demand situation this summer in most of Nebraska. But now we ask, “where do we go now with these energy prices?” To answer this question, we turn our attention to the fundamental supply/demand questions for the United States and how is Europe going to furnish heating sources for their economies this winter.

BAD News: Continued low world diesel inventories (including the US) coupled with a boycott of Russian energy products remains to put pressures on diesel prices around the world, including North America.



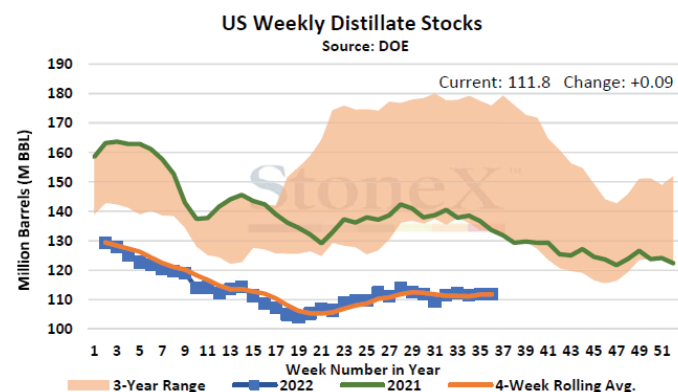
Couple this with the idea that potentially no natural gas will flow from Russia to Europe Union (EU), is putting pressure on other heating sources to provide solutions for winter demands.

Sufficient electricity generation is a major cause of concern for Europe. Faced with soaring natural gas prices and limited supply, European utilities may choose to burn refined oil products such as fuel oil, diesel, and gasoline instead of natural gas for electricity generation.

As gas prices remain elevated and electricity remains in short supply in Europe and Asia, is expected to install oil and oil product burning capacity that will be utilized near 100% this winter-causing more demands for distillate products. Commercial distillate stocks have increased in recent months, but they remain below average in the United States (see graph).

Looming in the weeds, commodity groups are sounding the alarm as a potential railway strike threatens to cripple transportation of vital goods from food and lumber to coal. The freight railroads and labor unions

agreed upon a labor settlement on September 11 to avoid a strike that could cost the US economy more than \$2 billion a day. The agreement is to be approved by the union by September 30th. A strike would threaten shipments of produce, grains, energy and fertilizer when food inflation has soared.



GOOD News: United States distillate production is well above productions from a year ago and refinery utilization rates remain very high so far this year (see graph). This means supply is trying very hard to keep up (which it proved it did during the heavy irrigation demands this summer) and hopefully it remains this way thru harvest.

When we look forward to future diesel fuel prices, the market is telling us lower prices are out there and available for locking in your costs.

GOOD News/BAD News: First the bad news. Inflation is affecting all parts of the world economy. To combat inflation, the US Federal Reserve is raising interest rates and this will likely result in a turndown in the economy. The good news? Energy prices are retreating quickly as demand is forecasted to decrease with the economic turndown.

In mid-September, future contracts are .56 cents per gallon less for a May 2023 contract compared to an October 2022 contract and .67 cents per gallon less for a September 2023 contract.

While there is now way to predict what prices will be when we get to May 2023 and September 2023, one might look at locking in some of your energy costs between now and early winter and see if there is an advantage of budgeting those numbers into your operation.

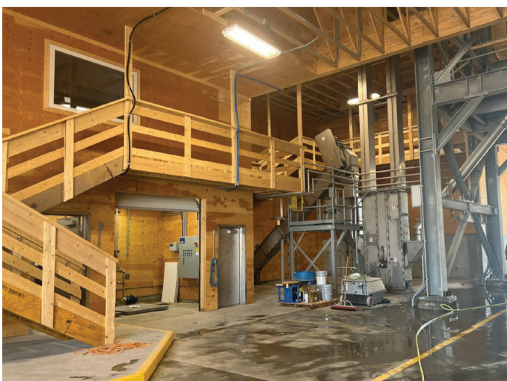
At Farmers Pride, we are here to help you with any of your fuel needs. Please visit with us if you have any questions about our products and how these markets are affecting our daily prices!

Dry Fertilizer Storage Facility Open House

On September 7th, 2022 an open house event was held to celebrate the Dry Fertilizer Storage Facility's completion. Tours were held, allowing members and customers to get an up close look at some of the most advanced technology in the fertilizer industry, right here at Farmers Pride.

It was a great night, visiting with everyone and seeing all of the excitement and awe over this newest asset to Farmers Pride! If you are interested in seeing more of the Dry Fertilizer Storage building, visit the Farmers Pride YouTube channel for a virtual walk-through.

<https://youtu.be/v69VyB4jSVE>



Farmers Pride History

Cooperative Throughout The Years - Bud Klug



One of the special guests who attended the dry fertilizer open house on September 7th was Bud Klug, pictured here with his son Lyndon Klug.

Believe it or not, the modern day farms supply/grain marketing cooperatives have interesting and hard to believe today, beginnings. For Farmers Pride and the location in Battle Creek, we are very fortunate to have had a former key employee sit down with us and share what cooperatives were doing nearly 70 years ago.

Bud Klug served in a variety of roles for the Battle Creek Creamery, starting in 1948 and eventually retiring in 1992 after 44 years with the Battle Creek Farmers Coop. After graduating from Battle Creek High School in 1947, Bud worked a variety of jobs ranging from construction to helping area farmers. It was suggested to Bud that he turn in an application at the coop. General Manger Aage Peterson hired Bud to help make butter and check eggs at the Battle Creek Creamery. Bud would work longer hours on Wednesday and Saturday as the coop remained open for in the evenings for patrons to bring in their goods. Farmers would bring their families to town those evenings and even watch a free show on Saturday night!

Bud eventually moved into the role of a route salesman picking up cream and eggs from area farmers. Bud eventually found he liked sales as he "expanded" his route to farmers west of Orchard, NE.

As agriculture progressed and the coop expanded, livestock feed and crop nutrition began to be more available to farmers to increase their production.

In the early 60's the coop began offering fertilizer and

chemicals for enhanced crop production. And in 1967 a local feed mill was purchased by the coop.

Bud became the fertilizer department manager and in 1965 the coop began offering chemigation services thru pivots for farmers west of Pierce in the sand for \$1/acre. Before he knew it, Bud had a waiting list for those wanting to use the systems. This eventually kept two employees busy for most of the summer!

Soon fertilizer products such as anhydrous ammonia, 18-46-0 and 16-20-0 were being offered. It didn't take long from expected corn yields to go from 50 bushels/acre (on dryland sand) to over 130 bushels on the same acres with irrigation and fertilizer! Bud never thought those same acres would now have expectations of 230 bushels (or more) per acre today!

Bud credits learning great business and people skills from long-term manager Aage Peterson. "Aage taught us that our job was to help the farmer and to be the best we could be. Profits would be generated by the coop and returned back to the farmers in either patronage dividends or improved facilities. This philosophy was deep in my blood!"

Bud is proud to have helped others start their careers in the cooperative system. "The cooperative system runs in my family. My son Lyndon currently works for Farmers Pride (Seed Coordinator) and another young man I hired part-time driving a truck is now a regional chemical manager for Winfield (a regional cooperative supplier)."

Upon retirement, Bud continued to work in the ag industry, developing the seed business for Producers' Hybrids out of Battle Creek. Thanks Bud for sharing these great stories and being a part of the cooperative system.

.....

This story was originally written in 2015. On September 7th, 2022 Farmers Pride was lucky enough to have Bud attend the Dry Fertilizer Storage Facility Open House.

A lot has changed since he started the fertilizer department in 1965!

While touring the facility, his son Lyndon said, "Bud was really just amazed of how much everything has grown here, and the progress that the industry has made."

Bud was even heard saying, "I had a lot to do with this being here today!" Yes he does--thanks Bud!

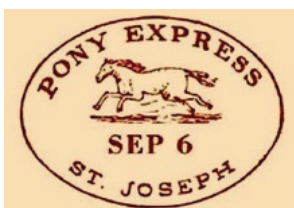
Human Resources & Safety



Dawn Pochop
Human Resource
& Safety Manager

Do you ever send mail via the “pony express?”. In today’s world we call our current postal mail, the “pony express” because we feel it is so slow compared to all the other technology in messaging. One of my goals every year is to send a hand-written gratitude card to people who impact my life in a positive way each month, and yes I send it

via “pony express”. While it might not sound like much, my hope is that this note of reasons why I appreciate the people in my life will give them encouragement, make them smile, and remind them that they matter to me. Even with the changes in technology I think a hand-written note just means more than an email or text. Maybe if they are ever struggling, they will keep this card as a reminder of how important they are in the world!



As I was preparing my August recipient card, I remembered that I needed to buy stamps. Today a forever stamp costs \$.60. Some may complain about the price of a stamp. I won’t complain about paying this to send a note that can make someone’s day!! To send a letter to someone via the original pony express cost around \$3.00 per letter. It was way back in 1855 when the 1st adhesive stamp became mandatory in the United States post office. As you came further west, your only option was the pony express. It was during economic struggles during the Civil War that stamps actually became used as a currency, because coins were hoarded and hard to find.

Our culture is so driven to the in/out quickness of messages whether it be on social media, email or text. Is this why we struggle with the timeline of the normal postage system? The original Pony Express began in April of 1860. The express had 186 stations, 10 miles apart all the way from Missouri to California. Through a team of 80 riders and 400 horses, you could expect your letter to arrive in 10 days. Could you imagine riding a horse across the rugged terrain in all kinds of weather? Not bad timing, given today’s postal mail service is on average 3-5 days via truck or plane. By October 1861, the Pony Express system ended, as the telegraph

brought faster messaging, the greatest change in communication technology at that time.

As fall and winter season approach, I would encourage you to go to your post-office and pick-up some stamps or order them online – whatever you prefer!

What a great time of year to start a good new deed. Instead of the text or email, a hand-written card will mean so much more.

As I send my gratitude card this month, I will remember the dedication & heroism of the

early pony express riders. I am grateful for what they did in their time to ensure communication continued even through the hardest of conditions. I am grateful for those in my life who impact me positively. They truly make me a better person. We often hear, say it while you can before it’s too late....after this past year and through our covid struggles, we all know this to be true. Share how feel with them, you won’t regret it!



September is SUICIDE PREVENTION MONTH!

Did you know the new national texting number has gone live? If you or someone you know is struggling, there is help!



If you or someone you know
needs support now,
CALL OR TEXT: 988
CHAT: 988lifeline.org

Talk with us.



Farmers Pride



October is National Coop Month!

.....

Celebrated by cooperatives nationwide during the month of October, National Co-op Month is an annual opportunity to raise awareness of a trusted, proven way to do business and build resilient, inclusive communities. Under the theme “Co-ops Build Economic Power,” this year’s Co-op Month is also a chance to lift up the cooperative business model as the best way to build an economy that empowers everyone.

As businesses face inflation and supply chain challenges, cooperatives provide stability and opportunity. As employees question their role in the economy, cooperatives are creating dignified, empowering jobs with paths to ownership and wealth-building. As communities tire of rhetoric, cooperatives are creating the meaningful diversity and equity at the heart of an inclusive economy.

For more than 100 years, farmer owned coops have given individual farmers a fair chance to compete and succeed in the global marketplace. According to the United States Department of Agriculture (USDA), 2.2 million farmers own the nearly 2,000 farmer cooperatives in the nation. The farmer-owned cooperatives generate around \$200 billion annually in economic activity and generate about 300,000 full-time, part-time and seasonal jobs. Farmer owned coops play a vital role in improving economic opportunity and the quality of life in rural America!

At Farmers Pride, we are laser-focused on supporting Nebraska and South Dakota farmers who help feed the world. Over the next 40 years, they will need to produce more food than in the previous 10,000 years combined to meet a growing world population. Our promise is to provide area farmers with the people, products and programs to help them meet or exceed this lofty goal—while at the same time looking out for the environment with practices that preserve our land, water, air and wildlife.

Without question, Nebraska Cooperatives have a significant impact on the economy in both rural and urban parts of the state. Farmers Pride is proud to be a part of this system while serving the agricultural, commercial and residential markets in northeast Nebraska and building sustainability for the future!

WinField United Answer Plot Tours

On August 24th, 2022, Farmers Pride and Winfield United hosted two Answer Plot sessions for local growers to attend.



WinField United's Agronomist's Mark Heinemann, Carl Scholting, and Chris Barry presented on various topics during both the morning and

afternoon sessions. Some topics covered included why the dry weather this year caused more cupping than



normal in enlist soybeans, they also talked about newer technologies coming down the road like Smart Corn, Smart Stack Pro Corn, and various other technologies to watch for that will be coming around in the next 5 years.

Heinemann also mentioned various ways that growers can improve how corn and soybeans plants convert nutrients into sugars that can be more easily processed into the grain part of the plant.

For any questions about the Winfield United Answer Plot tours, or any more information on seed and 2023 agronomy plans, please contact your local Farmers Pride Agronomist.



Why SECURE Financing?

A Partner That Gets Farming

As an agricultural co-op, we understand the unique financial needs of farming operations. And working with your local retailer, you get someone who knows yours in particular.

Payments That Align With the Growing Season

Two to three additional months to make payments gives you flexibility most other lenders can't offer. This helps you better manage your finances and take advantage of beneficial tax opportunities.

Interest Rates That Benefit You

Compared to other financing offers, you'll save about \$9 an acre on interest expense. That savings can be invested in agronomic inputs or other tools that could generate additional income for your operation versus simply writing a check for interest.



For additional information on any of our financing programs, please contact your local Farmers Pride Agronomist.



Progressive Nutrition

Don't Forget the Bulls!

Jerome Irlmeier

In many situations bulls tend to be a somewhat neglected part of the herd, as they don't contribute much to the operation after breeding season. However, getting them into shape and keeping them healthy is critical to the profitability of any operation. Winter is the best time to condition bulls for the spring and summer breeding season. Now is the time to look at and plan your bull wintering program.

Bulls that have been out on pasture for the summer will most likely come into the fall thinner and need to put on weight to achieve a desired body condition score of 5 to 7. Younger bulls should be managed separately from older bulls because they will still be growing and will not be able to compete with the more dominant bulls. Managing them separately will ensure their continued growth, development, and lifetime breeding potential. Younger bulls should gain about 2 lbs per head per day. This can be done using a diet around 40-42 Mcal of NEg or around 30 percent concentrate to 70 percent roughage. It is important to remember that young bulls are still growing. Older bulls need about half the concentrate of younger bulls to get back into



shape. They are finished growing, so the energy they consume can be used for conditioning and not growth. Make sure the bulls have plenty of space. If they are crowded, they tend to want to fight and could injure themselves. Be sure to bed them when the weather gets cold.



Like any class of cattle, bulls need a balanced trace mineral and vitamin supplement to ensure semen quality during their spring breeding soundness exam. Research has shown that feeding flax oil through supplements such as FlaxLic tubs or PowerBooster will improve semen quality.

Bulls also need a 2:1 calcium to phosphorus ratio and plenty of good, clean water. A diet that is 12% protein for older bulls and 14% protein for young bulls will ensure there is enough protein to put on muscle as well as growth for the young bulls.

Bulls contribute a tremendous amount to the genetics of the herd and need to be properly cared for to ensure their longevity and productivity in the herd. Proper nutrition and management during winter is essential to maintain fertile, active bulls.

A Few Products to Consider:

- PN Hi-Energy Bull Challenger R30 -- Hand Feed
- PN Bull Challenger R30 -- Hand Feed or Self Feed
- Omega Tub
- PN 14-8-3 Availa 4 Mineral

Get a jump on winter by planning your bull program by contacting one of our Progressive Nutrition consultants today!

If you have any questions, please contact one of our Progressive Nutrition consultants:

Chad Schomberg 402-750-3923
Stephen Wattier 402-992-2892
Cody Sitz 402-750-4598

Greg Schulze 402-750-3892
Dan Stark 402-360-1227
Office 402-371-2040

In the Field, on your Farm, in your Community
www.farmerspridecoop.com



PO BOX 10
BATTLE CREEK, NE 68715

We are a locally owned Agricultural Marketing Cooperative with the mission of strengthening the well-being of Agricultural Producers, Employees, and their Communities.

THANK YOU farmers.

Wishing everyone a safe and successful harvest season.

- Farmers Pride cooperative



Follow Farmers Pride on social media!
See updates, pictures and other news



**Avon • Battle Creek • Bloomfield • Ewing • Laurel • Madison • Neligh • Newman Grove
Oakland • O'Neill • Osmond • Pierce • Plainview • Snyder**

In the Field, on your Farm, in your Community
www.farmerspridecoop.com