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Preparing For Difficult Growing Conditions And Beyond Can Starter Fertilizers Make A Difference?

Your Farm's Next Generation: How and When to Involve Your Children

Frosty Berseem Clover: A Cold-Tolerant Cover Crop & Forage Option



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President / CEO

Michael Ritz
mikeritz@ritzfamilypublishing.com

Executive V.P. Operations

Robert Davis
rdavis@ritzfamilypublishing.com

General Manager

Brenda Stoner
brenda@ritzfamilypublishing.com

Office Manager

Adri Montgomery
adri@ritzfamilypublishing.com

Sales

Kevin Davis
kevin@farmranchdairy.com
Pat Drury
pat@ritzfamilypublishing.com
Tara Garrity
tara@farmranchdairy.com

Ritz Family
Publishing, Inc.

Corporate Office

Ritz Family Publishing, Inc.
714 N Main St., Meridian, ID 83642
www.ritzfamilypublishing.com

Sales

For all sales inquiries, call toll free:
1(800) 330-3482 or 1(208) 955-0124
sales@ritzfamilypublishing.com

Subscriptions

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Your Farm's Next Generation: How and When to Involve Your Children

By: Kathy Daily

Planting season is coming to a close on the farm and a new crop of graduates is being harvested at the local high school. For some, college was decided long ago but for others they may be planning to stick around the farm and help out the family. While that might seem like a good idea given the current farm economy, you might want to give that plan a little more thought.

The tender age of eighteen is too young to know what you really want to do with your life, and although college isn't for everyone, most young adults need the additional time to grow up and decide what they want to do. Education after high school doesn't necessarily mean college, trade schools are just as valuable and are in high demand.

Some of the most successful farm families I know have a

family rule that their children cannot join the family farm after high school. They must first attend college and then get a job for a minimum of 2 to 4 years, before they are allowed to join the family farm. This allows them to grow up off the farm, learn how to support themselves without the farm carrying them. It also gives them a good opportunity to learn something of value that they can bring back to the farm.

Bringing your children into the family farm can be even more difficult if you are partners with other family members who have children who want to join the farm as well. How do you decide to get to join? I've seen some partnerships dissolve at this point because they couldn't agree on how to bring in the next generation. The partnerships dissolved and formed new partnerships with their children. It's good to discuss adding additional family members early in the partnership and make it part of the agreement so there are no surprises when kids graduate from school.

Bringing the next generation onto the farm works well when it's done right, but everyone needs to understand upfront that you are operating a business and like any business you need the best person for the job. Be sure that you match the person's talent to the skill set needed for the job, and don't just fill a tractor seat. I read an article recently where one family actually interviews family members wanting to join the farm. The interviews are conducted by senior members of the operation in "what if" scenarios. This concept seems a bit extreme, but it is a good way to let your kids know that joining the family farm isn't a cake walk and they will be expected to make tough decisions that could make or break the farm.

My husband and I raised two sons, who were quite different from one another. Our oldest son enjoyed literature, history, computers, marketing and business concepts. Our youngest son was bored to death in the classroom and couldn't wait to get his hands on something. There are jobs for both of my sons on a farm, but they are not interchangeable.

For the sake of your family and your business, take the time to make sure everyone is making the right decision for the future.

Kathy Daily is the Senior Vice President of First Financial Bank's Farm and Ranch Division. (www.ffb1.com)

Mrs. Daily has been an agricultural lender for over 25 years. To contact her, phone 888-398-4119 or email her at kdaily@ffb1.com.



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De Dell Seeds

De Dell Seeds is a family-owned Canadian business that started in 1999 with a goal of providing healthy and sustainable alternatives to the creeping corporate control of seed technology. As a result, De Dell Seeds, which specializes in Non-GMO and Organic corn seed hybrids, has realized rapid growth in both volume and geography since its inception and has gained an extensive network of dealers across Canada, the US Northeast, and the Midwest.

The business continues to grow their hybrid portfolio as its breeding program develops better characteristics for the North American grower. In the last 3 years, they have added 14 new high-performing hybrids to their lineup and now have 37 Non-GMO hybrids in their upcoming 2019 catalog. Of these 37 hybrids, 7 are dedicated silage hybrids offering fantastic feed value, and there are an astounding 10 organic hybrids. This level of alternative choice is unparalleled in the industry!

De Dell Seeds also offers growers a choice of seed treatment. Most of their conventional hybrids are offered as a choice of untreated seed, treated with a fungicide alone, or treated with a combination fungicide and insecticide that is effective, environmentally safer, and steers clear of the use of neonicotinoids. This allows our growers to limit their use of pesticides to what is necessary in the fields that need it.

De Dell Seeds is a business with a conscience, dedicated to providing healthy, high-performing, naturally bred corn hybrids for our environment. Try a few bags for yourself to see the difference in your yield, herd health, and in the end, your bottom line. 

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Burco Sales, Inc., is a family owned business of Darin Burco's located in Independence, Iowa. We have been farming for over 35 years and selling equipment since 1999, so we bring decades of knowledge and experience right to your family, farm or business. We are authorized dealers for Kuhn Krause, Geringhoff, Parker, Redneck Blinds, Remlinger, Ashland and Hustler. We offer a wide variety of new or used tractors, tillage equipment, lawn mowers, bedliners, deer blinds, miscellaneous construction equipment with a paint, sales, parts, and service department for customer convenience.

When Darin started Burco Sales, Inc. back in 1999 it was to occupy the winter months for employee's and as a way to give farmers good quality, affordable tractors and equipment. Our Sales Department is managed by Matt Seastrand, Parts Department has Brian Andrews, Office Manager is Mary Beth Butters, and Administrative Assistant is Shana Seastrand. We have approximately 25 employee's during the peak harvest season. An employee may be in the field working long hours during planting or harvest season then in the off season we have multiple projects going at one time from painting, rebuilding a tractor or vehicle, bedliners, assembling, welding, and maintaining all the field equipment for the upcoming season. There is never a dull moment working on a farm whether it be crops or livestock.

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Frosty Berseem Clover: A Cold-Tolerant Cover Crop & Forage Option

You've probably heard about Frosty Berseem Clover (*Trifolium Alexandrinum*), the first cold-tolerant berseem clover. In early testing, Frosty withstood lows of 5° F without snow cover, thus earning its "frosty" claim to fame. It combines the best of berseem clover's Mediterranean genetics and adds a later maturity, cold tolerance, productivity, and nutritional forage value.



Frosty offers planting flexibility. Because of its quick establishment, Frosty can be incorporated into a cover cropping rotation to help suppress weeds. It can be underseeded in small grains in the spring because of its frost tolerance, and it can be used in a mixture for interseeding into standing row crops in summer or fall. Speaking of fall, Frosty will grow deeper into the fall than regular berseem.

With the potential for four tons of dry matter per acre in a two-cut system and a crude protein content of up to 21.5 percent, Frosty also is an excellent non-bloating option for direct grazing livestock. Another obvious appeal for a legume like Frosty is, of course, nitrogen fixation. Trials at Penn State showed that Frosty Berseem Clover fixed up to 150 pounds of nitrogen per acre.

Frosty is growing in popularity as an alfalfa-boosting companion. In fact, Frosty shares alfalfa's dry-down characteristics, remaining green for forage or hay. To make the most of Frosty's companionability with alfalfa, plant using a seed mixture ratio of 80 percent alfalfa to 20 percent Frosty; however, thanks to Frosty's cold tolerance, you can frost seed it directly on frozen ground before planting alfalfa. Frost seeding gives Frosty a headstart for rapid establishment in spots where alfalfa has winter killed.

Frosty prefers slightly alkaline loam alkaline, or "basic," soils, which is perfect for the western U.S., but really loves silty to medium-loam soils. It also produces more biomass than crimson clover on heavy soils. When planting with a drill, use a depth of ¼ inch at a rate of 15 pounds per acre for monoculture and about six pounds per acre in mixes.

As a berseem clover, Frosty has a low hard-seed count, which means you're not likely to get overrun by unwanted Frosty, and you would need to replant for future plantings.

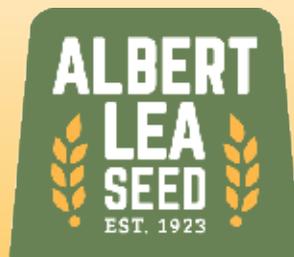
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Preparing For Difficult Growing Conditions And Beyond

Can Starter Fertilizers Make A Difference?

Noel Garcia, CCA
Senior Consultant, TPS Lab

Cold, wet weather with low PAR light and few growing degree-days has made 2019 a disastrous year for agriculture in many parts of the United States. It has delayed planting in some areas and prevented planting in others – all resulting in a shortened growing season. Much of the same has been predicted for 2020. Developing a plan to mitigate the effects of difficult field conditions is essential for the farmer to survive and crops will need all the help they can get from the very start. So, what do we do to play catch-up and even avoid having to replant?

“Pop-Up”/Starter Fertilizers can be game-changers to your ultimate success. Getting your crop off to a healthy, strong start is more important than ever in persistently poor conditions. To achieve this, rapid and strong early root develop-

ment is essential. While season-long balanced plant nutrition is needed to minimize plant stress and for best yields and quality, phosphorous is the foundation for good roots, early fruiting and uniform maturity.

The use of starter fertilizer is a source of debate for many agronomists. Most growers see the benefit of early uniform harvest but are likely to over-fertilize. There are hazards to using fertilizer in close proximity to the seed and this scares-off many advisors from recommending it. Like physicians, advisors’ first concern is to “do no harm”. It is easiest to say, “Just Don’t Do it”. But in dire times, the battle for profitability and survival requires stepping out of a traditional “safe” zone.

Due to their close proximity to the roots, starter fertilizers in particular, with high salt indices are to be avoided, as they cause reverse osmotic pressures on the roots resulting in



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dehydration of the plant – resulting in stress or death. Accordingly, components of starters must be carefully researched and selected.

The primary component of a starter is phosphorous. Placement of phosphorous for maximum benefit has been shown by research to be most beneficial when germinating seeds' first roots immediately hit a band of high phosphorous - especially in cold, wet soils. It is safer to place the band of starter fertilizer in-furrow in a 2x2 band (two inches below and two inches on each side of the seed). Be aware that the benefit of early phosphorous decreases by each additional half-inch away from the seed. Seed treatments are now available for sown crops. Dr. F.L. Fisher of Texas A&M University was one of the first researchers in starter fertilizer in the early 1960s.

Phosphorous by itself is seldom harmful. It is the other plant nutrients in fertilizer which have high salt that can harm germination and plant growth. Nitrogen, potassium and sulfur have high salt indices and should be kept to a minimum but are beneficial early as are micronutrients such as zinc, iron, manganese, copper and boron in minute amounts. Additions of carbon sources such as humic/fulvic acids, amino acids and sugars also help protect the seed and buffer the fertilizers. They also help keep the fertilizer in a bioavailable form for extended periods, especially in cold or alkaline soils. These carbon sources also feed the soil life thus increasing the microbial activity which raises the soil temperature slightly, enhancing germination.

Additionally, a multiple hormone (auxin, cytokinin, gibberellins, seaweed/kelp) formula can yield dramatic results, especially during prolonged bad weather. Again, many consultants avoid using these, as they don't well understand them and they must be applied in fairly precise quantities.

Phosphorous can be sprayed directly on the seed but caution is advised, as too much of a good thing can be harmful. Use products that are designed for foliar application and have low salt indices. Only one quart per acre of a high phosphorous formula next to the seed is needed to produce benefits. It is generally recommended that one to three gallons per acre of a high P formula be used that contains a balance of nutrients. This should be mixed with at least enough water to allow accurate application, 5 gallons per acre total solution is minimum but a 10 gallon per row-acre rate would be much better for dilution as well as accuracy of application.

Foliar applications while crops are under stress from excess soil moisture and cloudy conditions for extended periods are highly beneficial. Plants under anaerobic conditions can be harmed and retard growth. Supplementing with a balanced formula with phosphorous can boost plants while mitigating stress and enhancing development. Sap analysis is used to formulate the proper foliar program and customize it to specific plant needs. This will help play catch-up in times of duress.

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The LAFORGE group purchased a manufacturing facility in Cedar Falls, IA in 2007, and added a new factory in Waterloo, IA in 2010. These facilities now also house whole goods and spare parts warehouses and an installation shop.

LAFORGE branded front 3-point hitch systems have been available since 1979. The company quickly became a world leader in technology related to tractor-implement interaction, tractor ballasting and weight transfer. LAFORGE is the recipient of a multitude of patents and awards in these areas. Nine AE50 awards are just an example of this.

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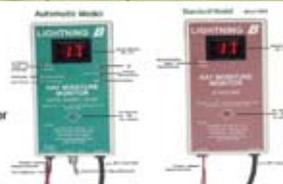
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The new Alliance Agriflex+ 372 VF CFO tire from Alliance Tire Group (ATG) is rated to carry 186 percent of the load of a comparably sized standard radial tire when operating at harvest speeds of under 10 mph. The new tire is a

VF800/65R32 CFO, which replaces the 30.5R32 tires commonly found on many grain carts and Class V, VI and VII harvesters. It is rated for loads as high as 26,370 pounds when used in cyclic conditions, such as harvest.

James Crouch, National Product

Manager-Agriculture for Alliance Tire Americas, explains that the extra-rugged construction that qualifies for the rare Cyclic Field Operations (CFO) rating allows the tire to be used in conditions where load increases and decreases dramatically—for instance, as a combine hopper or grain cart fills up, then unloads.

“There’s an immense amount of technology and manufacturing skill that goes into constructing a sidewall of a CFO tire, and we doubled down on that by also making it a very high flexion, or VF, tire,” Crouch says. “The VF capabilities add 40 percent more load to the tire compared to a standard radial at the same inflation pressure. Then the CFO rating indicates that the tire can handle another 33 percent on top of that. Together, that’s a 186-percent increase over standard radial capacity. It’s a mighty tire.

“This new tire is a huge component of our Alliance Whole Farm Concept, which is our commitment to making sure there is a low-pressure solution for every machine on the farm so farmers can improve their performance and reduce soil compaction,” Crouch adds. “Our Alliance Whole Farm Concept extends from a massive tire like this Alliance Agriflex+ 372 VF800/65R32 CFO to tractor tires, tires on air seeders and sprayers, and even smaller tires like the ones on tillage equipment and other implements.

“Ultimately, we want to help ensure that a farmer doesn’t just use low-pressure technology on the biggest machinery, because smaller equipment can also create a lot of compaction,” he notes. “It’s another way that good tire choices can help contribute significantly to the profitability and long-term productivity of the farm.”

For more information on the Alliance Agriflex+ 372 VF800/65R32 CFO tire and the Alliance Whole Farm Concept, contact your Alliance Tire dealer, visit www.atgtire.com or call (800) 343-3276.

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Slick Spot officially opened its first shop in 2007, but Richard has been in the farming and trucking industry for over 40 years. As an Owner/Operator of several trucks in northeast Colorado, it did not take very long to realize the need for a reliable and affordable repair shop. The company was built with the customer in mind; to get them back out on the field or on the road in a timely manner and at an affordable price.



Fort Morgan location

On September 1st of 2014, the vision for another shop came true and the shop in Fort Morgan, Colorado opened its doors. It was an immediate success and soon a bigger building was needed. On August 1st of 2016, the vision became reality and our shop opened on the east side of Fort Morgan. The Fort Morgan facility is run by Richard's middle son, Mike.



Mike and family

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Beefmasters Excel in Feed Efficiency Evaluation

The United States Department of Agriculture (USDA) Agricultural Research Service (ARS) conducted a feed efficiency evaluation at the U.S. Meat Animal Research Center (USMARC) in Clay Center, Neb., on 18 beef cattle breeds. The feed efficiency test results ranked the Beefmaster breed second for Average Daily Gain (ADG) and Dry Matter Intake (DMI) in both steers and heifers. Only one other breed ranked in the top five in ADG and DMI for both sexes in this study and they were below the mark set by Beefmasters.

Ranking	Breed	Steers ADG,DMI
1	Limousin	0.206
2	Beefmaster	0.203
3	Chiangus	0.13
3	Maine Anjou	0.13
4	Santa Gertrudis	0.119
5	Gelbvieh	0.107
6	Brahman	0.1
7	Hereford	0.099
8	Braunvieh	0.073
9	Charolais	0.07
9	Salers	0.07
9	Shorthorn	0.07
10	Tarentaise	0.05
11	Simmental	0.027
12	Angus	0
13	Bragus	-0.002
14	Red Angus	-0.014
15	South Devon	-0.041

Details about the evaluation:

The 18 breed USMARC study evaluated 5,606 head of cattle (composed of finishing steers and growing replacement heifers) for DMI, ADG and Post Weaning Gain (PWG). DMI and ADG data were recorded over 62 to 148 day periods for both steers and heifers. PWG was calculated by dividing gain from weaning to yearling weights by the number of days between the weights. Individual animal feed intake data was measured daily as a key component of the evaluation. All animals used were from the USMARC germplasm evaluation project.

Using the Angus breed as a base of zero (0), the other breeds were compared back to the Angus as a baseline for both steers and heifers, where they were evaluated for efficiency using ADG and PWG during feed intake data collection. Beefmasters ranked second for ADG in both steers and heifers.

Feed Efficiency Adds Value

Feed efficiency is important for all sectors of the industry. Cattlemen have known this for a long time. The challenge has always been finding a cost effective way to measure feed efficiency in individual animals. Over the past decade new technologies, such as GrowSafe Systems LLC, have emerged as a means to collect detailed individual animal feed intake data, from which individual animal feed conversions can be extracted. With the inclusion of this powerful new individual intake and conversion data, researchers are now

Ranking	Breed	Heifers ADG,DMI
1	South Devon	0.203
2	Beefmaster	0.096
3	Hereford	0.094
4	Maine Anjou	0.031
5	Charolais	0.03
6	Shorthorn	0.025
7	Limousin	0.017
8	Santa Gertrudis	0.012
9	Chiangus	0.008
10	Salers	0.002
11	Angus	0
12	Simmental	-0.004
12	Red Angus	-0.004
13	Brahman	-0.023
14	Gelbvieh	-0.027
15	Bragus	-0.049
16	Braunvieh	-0.078
17	Tarentaise	-0.081

conducting exciting new feed efficiency evaluations which are identifying more efficient animals. When one considers the impact of adding the power of genomics to the equation, the prospects of making rapid genetic improvements in the area of feed efficiency is exciting.

Feed Efficiency Impacts Cow-Calf Sector

Improved feed efficiency relates directly to the cow-calf operator. Annual cow maintenance costs are the largest expense in all cow-calf programs. Replacing large appetite and high maintenance cows with more feed efficient females impacts the bottom line by reducing annual cow costs. In operations where supplemental feeding is required for the cow herd, more feed efficient cows post cost savings to the bottom line.

While current research is focused on measuring feed efficiency, science is also unraveling the relationship between efficiency on feed vs. efficiency on pasture. Some limited research has shown

that the same cattle that are efficient on feed will also be more efficient on forage. That remains to be proven in large scale projects, but scientists are working to solve the pasture efficiency question.

Some efficiency researchers hypothesize that specific efficiency traits, such as Residual Feed Intake (RFI), is a maternal trait. If that is correct, the way ranchers make mating decisions in the future could be greatly impacted because selecting for feed efficiency would become as common as using birth weight EPDs.

Feed Efficiency in the Feedyard

The impact of feed efficiency on cattle feeders is obvious. Identifying genetics that gain more while eating less feed is a recipe for profitability. Over the past 10 years, the beef industry has focused almost exclusively on Quality Grade in our finished cattle. The push to improve marbling to earn the carcass premiums that come with it, coupled with relatively inexpensive corn, has distracted many cattle feeders away from the importance of feed conversion to total profitability. Do you remember when the ethanol subsidies pushed corn to record prices? That was the last time the industry was vocal about the need for more feed efficient cattle.

Cattle with better feed conversions have fewer days on feed and lower cost of gain, resulting in serious cost savings for their owners. These feed efficiency upgrades come with even more value in the case of Beefmasters when you factor in advantages for dressing percentage, which lead to more pounds to add to your grid pricing worksheet. It takes a historically large Choice/Select spread to override the value adding combination of cattle that convert on feed in the mid 5:1 range, post over 3.5 ADG, dress in the 64%-65% range and hang up predominantly Yield Grade 2 carcasses. Beefmaster steers are doing just that in feedyards across the country, while still Quality Grading at acceptable levels.

Beefmasters are gaining attention as the beef industry begins to seek out efficiency genetics to bridge the gap

Continued on page 30

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Beefmasters

Continued from page 28

to optimal, cost effective production practices. Beefmasters have been long regarded as a versatile maternal breed, but this feed efficiency study points out that Beefmasters bring significant value drivers to the cattle feeder as well.

This study, buoyed by individual animal feed intake technology, points out major feed efficiency differences between breeds. For years Beefmasters have been recognized as solid feedyard performers with superior health, lower cost of gain and superior feed conversion rates. Feed efficiency, coupled with higher yielding and improved dressing percentages, adds a new layer of added value over the top of today's grid pricing mechanisms.

Crossbreeding with Beefmasters

Efficiency doesn't stop at the feed bunk. Beefmasters add efficiency through a powerful heterosis kick that will improve fertility, longevity, health, improved pay weights and overall profitability. Thanks to the strong *Bos indicus* base, Beefmasters are truly unique among composite breeds. According to geneticists, Beefmaster post 63% retained heterosis which is a great advantage on the maternal side.

Beefmaster bulls used on high percentage Angus cows yield results that keep the cowman in business and the feedyard happy. This popular cross anchors the maternal equation with progeny being 75% British and 25% ear. Enough *Bos indicus* to ramp up maternal heterosis, while maintaining market and carcass acceptability of the Angus/Hereford/Shorthorn influence. Being predominantly black-hided and

showing very little ear or navel, calves of this cross consistently earn branded premiums that other black-hided calves earn. The biggest difference is the extra pounds of pay weight and replacement females that stay in the herd significantly longer than straight *Bos taurus* cows. All of this thanks to heterosis.

Adaptability

The versatility and adaptability of Beefmasters is eye opening. Many breeds talk about how adaptable they are, but Beefmasters prove it. Two of the largest markets for Beefmaster bulls are the high desert of the Northwest region and the Gulf Coast region, which stretches from Mexico all the way to Florida and the Atlantic coastline. Ranchers in these wildly different environments use Beefmasters to anchor the maternal needs for their commercial operations.

In the high desert ranchers are able to utilize more country simply because hardier Beefmaster cross cows will travel farther to water sources than high percentage British cows. The willingness to cover more country, utilizing native pasture and thrive in higher elevations creates efficiency and provides great value to ranchers.

Gulf Coast conditions provide a totally different set of challenges for ranchers. Hot, very humid conditions with lots of low quality forage, coupled with unprecedented insect and parasite loads makes ranching in this region very challenging. The challenges of maintaining body condition scores and getting cows bred back make Beefmasters a great choice in this region. The bonus of heavier calf pay weights due to Beefmaster performance is also a nice upgrade.

Beefmaster bull users in these two very different environments tend to

be large scale commercial herds. The feeder calves produced from these large herds go directly into some of the beef industry's best known branded beef programs. Beefmaster sired steers have earned a reputation for meeting the carcass specifications for these demanding programs and being the most profitable cattle in those supply chains.

For cattlemen facing the challenges of fescue country, Brahman influenced genetics have been documented to handle the effects of fescue toxicity better than any other genetic combination. The efficiency advantage Beefmaster offers farmers in the fescue belt is impressive. Combining the breed complementarity crossbreeding effect of Beefmaster with the predominantly Angus herds of this region yields great value, all thanks to the proven attributes of heterosis.

A Systems Approach to Efficiency

The key to profitability is identifying the genetics and management scenarios that fit the marketing program or supply chain that your calves will eventually wind up in. In other words streamlining your product to fit the system. There are some basic steps every cattleman can take to increase efficiency. The industry has known about these tools for some time, but have not correctly capitalized on them.

Crossbreeding is the simplest way to implement efficiency and will yield the greatest return for commercial cattlemen. The benefits of direct and maternal heterosis have been documented time and time again. Implementing an organized, controlled crossbreeding program will make your entire operation more efficient. Including Beefmasters as a key ingredient will allow you to squeeze more profit out of your program. 🐾



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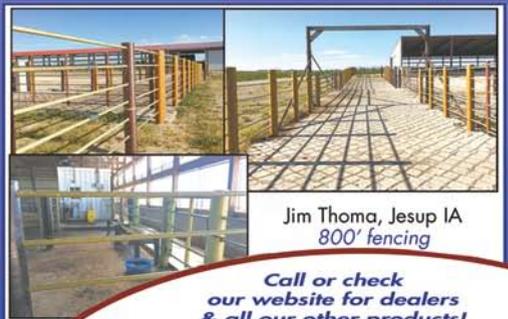
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Making A Cowman's Best Time Of The Year EVEN BETTER!

The favorite time of the year for cow-calf producers has long been established as being the calving season. That is when the anticipated results of the previous year's breeding program decisions are realized. Jeff Creamer, Lazy JB Angus, a calf catcher owner, refers to his calving season as "Christmas Time." Whether the new calves hitting the ground are from AI, ET or the valued herd sire battery, there is no time of the year that a cowman looks forward to more.

Accompanying that 'special time' are dangers, extra stress and increased labor responsibilities that are often referred to as 'a necessary part' of the business. Over the years, many people have been injured, or worse, by the instinctive mother cow during the newborn processing period. Things can go wrong fast when tagging, vaccinating, banding and weighing new calves — and the results can be devastating. Bud Williamson of West Virginia says, "My calf catcher was a virtual life saver!"



Safety Is a Priority

"We are all about safety and making calf processing easier," states Dan Leo, a long-time Nebraska rancher and owner of the Safety Zone Calf Catcher business. With the average age of cattlemen getting older, help being difficult, if not impossible to find, their calf catchers are filling a real need. Most cattle operations daily use ATV and UTVs, and now they have an important option to ensure that every calving season is safe and uneventful. Laurel Gilbertson, 74-year-old Nebraska rancher refers to his catcher as "The best piece of equipment I've owned."

Leo added, "The traditional way to tag and process calves can be dangerous and often takes more than one individual to

accomplish. Now, just one person, who can operate an ATV or UTV, can safely work calves." Allen Lippert, a Kentucky cattlemen, says his catcher is "Great for one-man operations. No more waiting for help!"

Construction and Design

The calf catcher is a durably constructed, welded steel cage that is built to last generations. Bill Helms, a Texas retired mechanical engineer and 71-year-old cattlemen applauds the design and fabrication quality adding "It is simple to use, and it works." Mounting with ball-coupler hitches permits it to perform well in all types of terrains and conditions. The quick and easy mount and dismount process takes only a couple of minutes.

Ease Of Operation

With the front gate locked open, the driver approaches the calf and captures it in the cage by shutting the spring-loaded gate. Aiding the process, the catcher is designed for quiet operation, thus does not threaten the cowherd. Typically used on newborn to week-old youngsters, but calves up to 300 lbs. can be caught for treatment of pinkeye, foot rot and pneumonia conditions.



The producer enters the cage by stepping through the near side opening, and then moves the calf to the rear holding area where it can be easily processed while being protected from the mother cow. At all times, the operator is inside the cage, and never threatened by the instinctive mother. Daryl Bernard, an Iowa cattlemen states, "I like how the calf holder restrains the calf and eliminates having to wrestle the calves on the ground."

Mother Cow's Behavior

By design, nearly 100% of the mothers remain at the back of the catcher where the rear calf holder is located. The most protective of cows are much calmer when they can see and smell their calf in a less threatening situation, as compared to wrestling the calf away from the mother.

"The unit works particularly well for pairing out as the cow will follow the calf virtually anywhere! Whether moving pairs to another pasture or during inclement weather, it is a valuable tool." states Leo. When finished processing, the operator releases the calf out the back to its mother, again accomplished from inside the cage to maintain full-time safety. Montana rancher, Andy Dorn says this about his Safety Zone catcher, "It is the best investment we ever made. Easy on the calves and great for the cows too!"

Making a Better Way

"Traditionally, producers have to get to the calves early after birth otherwise it can be difficult to catch and even hang on to them, and then it can often require two or more people depending on the protective behavior of the mother cow while the processing takes place," Leo notes. His goal is to make the best time of the year, safer, easier and with the labor requirement of only one person.

Catcher user, Wanda Thompson from Missouri comments, "To all you out there still dodging mad momma cows, wrestling big calves, and maybe not getting some of your calves done, the calf catcher is definitely a better way."

Other options developed by Leo's business include a digital,

waterproof scale — especially useful to seedstock producers — and a rear tow hitch to accommodate long-distance travel.

Safety Zone Calf Catchers LLC, internationally trademarked and registered, sells directly to cattlemen and through a growing dealer network. Current sales extend throughout the continental U.S. and into Canada, Australia, France and the UK. Leo states, "Our best salesmen are the users as they cannot keep from telling their neighbors of the catcher's benefits — and the word is traveling fast!"



Interested parties are encouraged to watch the informative action video at www.SafetyZoneCalfCatchers.com or to call (877) 505-0914 for more information or to place orders. 📺

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Wayne Stewart, KY - "The calf catcher is a product that keeps me safe when tagging new born calves. This product works much better than other ones on the market. A very good company to work with."

Bob Seely, WY - "This product has been invaluable. It makes the job of doctoring and tagging calves significantly safer. I am grateful for the calf catcher making the process easier!"

Watch Action Video at
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Rawhide Portable Corral to blend the Old with the New

John McDonald knows a thing or two about livestock equipment after working with cattle and rodeo livestock most of his life. Knowing there had to be a better portable corral design out there; he came up with it himself.

In 2003 the public was introduced to his original Rawhide Portable Corral. It could be set up by one person without any lifting and it could be done quickly; yet it could also be pulled down the road at highway speeds, ensuring that no time would be wasted while catching cattle.

Fast forward to 2018 and now customers have two different corrals to choose from; the Rawhide Original, throwback to the first design, or the Rawhide Processor.

Even though the Processor's design is viewed as the superior portable corral on the market, John believes that there are still those who will want a smaller, more affordable system. Enter the Rawhide Original, which is a blend between the two designs he has offered throughout the years and has a bumper hitch with permanent transport

wheels. The Original is only offered in the Standard and Large sizes.

The Processor is offered in three sizes for the convenience of ranchers and cattle producers throughout the world and the main difference with this design is the ability to customize the corral upon ordering by including a hydraulic alley, head gate or loading chute. Whether you simply want to catch your cattle or process them on site and load them into a trailer from



the pasture, you are able to do so with the Processor.

The design of the Processor continues to impress cattle producers with its versatility and ease of use. The permanent sheeted adjustable alley aids with working your livestock, whether it is done on site or in the field. The adjustable alley can be sized from thirty (30) inches down to sixteen (16) inches; either manually or hydraulically.

The most notable features of the Rawhide corrals are that they are easy to set up and they are easy to transport. We mean it when we say that one person can open up the corral without lifting a panel. This will continue to be the model as we move forward with our newer designs.

The key is one person can handle it all by themselves. Customers can manipulate the panels so it is not just one big pen, but two, three or even four pens for sorting, as one can never have enough pens when it comes to working cattle.

John's design was the first portable corral on the market to offer the hydraulic lift option. This has been so popular that we now offer customers the option to buy the Hydraulic Lift Kit with or without the battery so that they may upgrade existing equipment of their own. A lift kit includes the jack, power unit, solar panel and of course the option of including a battery at time of purchase.

John and his wife Mary run the family business at their manufacturing plant in Abilene, Kansas, which is the only place where a Rawhide may be purchased outside of South Texas, where we now have a dealer in Hempstead.

Please check out our website for more information and to view our videos: www.rawhideportablecorral.com or find us on Facebook. Phone # 785-263-3436.





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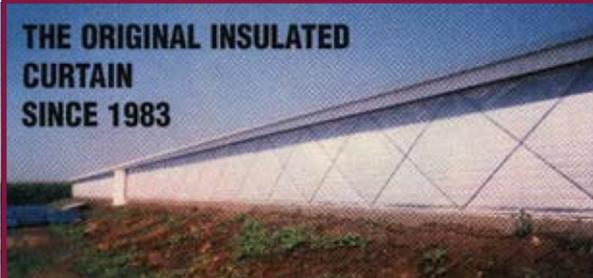
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Hanen Automatic Cattle Feeder Engineered To Expand For Future Cattle Herd Growth

Service Line, Inc. announced a new increased functionality of their Hanen Model LSF-12 Automatic Solar-Powered Cattle Feeder designed for feeding twelve cattle. In response to customer requests for an economical way to accommodate future herd growth, the Hanen Model LSF-12 Automatic Solar Powered Cattle Feeder basic platform can now operate as a master power unit capable of driving additional feed hoppers as needed.

The Hanen Automatic Solar-Powered Programmable Cattle Feeder is designed to dispense the correct levels of nutrition to livestock, up to 6 feedings per day. Unlike a creeper feeder, the Hanen Automatic Cattle Feeder feeding cycle is totally programmable, and animals respond to the audio signal in an orderly fashion.

The Hanen Automatic Solar-Powered Programmable Cattle Feeder Model LSF-12 is engineered to be an affordable system for those working ranchers looking for the features and benefits that an automatic cattle feeder can provide, including reduced labor costs, lower wasted feed, programmed grain rationing, enhanced nutritional value for their livestock, and more free time for other activities. Easily connect two LSF-12 systems to feed twenty-four cattle. Additional benefits of the solar-powered model include remote unattended feeding, and reduced energy costs.

New options for the Hanen Automatic Cattle Feeder Model LSF-12 include a Frame Kit for increased stability when con-

necting multiple hoppers, and a Farm-rated Trailer Kit with wheels for mobility.

Hanen Automatic Programmable Cattle and Livestock Feeders are available in solar-powered or AC-powered configurations and include the Model LSF-12 Twelve Head Feeder, and two AC powered models intended for indoor use: Model LSF-2 Two Head Feeder and Model LSF-4 Four Head Feeder. Manufactured in the USA, the durable feeders are constructed of heavy gauge steel and are 100% powder-coated for extreme conditions. Dave Barney, president of Service Line, Inc. says, "I am dedicated to providing controlled nutrition that result in high quality animals". The Hanen Automatic Solar-Powered Programmable Cattle Feeder is ideal for the Working Ranch, Cow-Calf Operations, Seed Stock Production and Small Acreage Cattle Producers.

About Service Line, Inc.

Service Line, Inc. manufactures Hanen Automatic Solar-Powered Cattle Feeders, Renegade Parts Washers in automatic or manual, top load, front load and pass-through configurations for general repair and industrial production process cleaning, and Renegade detergents and additives. Service Line, Inc. products are manufactured in Reedsburg, Wisconsin, and are available in the U.S. and International markets. To learn more about Hanen Automatic Solar-Powered Cattle Feeders, visit www.automaticcattlefeeder.com



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