

# *Western Farm, Ranch & Dairy*

The vital resource of the Ag Industry | Rocky Mountain-Heartland | summer-fall edition 2016



**Pretty Good Twine**  
**Colorbale – Right Over the Edge**

**Pulse USA, Inc.**  
**The Industry Leader**  
**for all your Seed Needs**

**Needle-Guard™**  
**Vaccination Table by Tower Stool LLC**

[www.FarmRanchDairy.com](http://www.FarmRanchDairy.com)





# THE HEAVY DUTY WORK BENCH

**...THAT WILL ENDURE  
THE TEST OF TIME  
AND LABOR**



## STANDARD FEATURES

- ▶ Standard Sizes: **6' 8' 10' 12'**
- ▶ 1 piece welded steel frame
- ▶ 10 gauge steel table top
- ▶ Drawers/Doors in 2' increments
- ▶ Smooth powder coated finish
- ▶ Heavy duty ball bearing drawer rollers with a 300 lb capacity
- ▶ Designed to accommodate mounting vices

## CUSTOMIZE YOUR HEAVY DUTY WORK BENCH!

- ▶ Custom drawer layout
- ▶ Standard or custom colors
- ▶ Wheels and locks
- ▶ Stainless steel top
- ▶ Drawer divider and mats
- ▶ Upper cabinets / peg board
- ...and much more*



**VISIT US ONLINE FOR OUR COMPLETE LIST OF FEATURES AND PRODUCTS!**

TF 1.888.WKBENCH (952.3624) | PHONE 1.204.746.6591 | FAX 1.204.746.2998 | [sales@mctavishsteelworks.com](mailto:sales@mctavishsteelworks.com)

**WWW.MCTAVISHSTEELWORKS.COM**

# Best Mixing. Best Ingredients. Best Performing.



## DURALIFE

**Calf Milk Replacer**

## nutra start

**Lamb & Kid Milk Replacer**  
25 lb Advance® products are now NutraStart®

Buy more. Spend less. Inquire about dollar volume discounts. Call: 630-715- 1281

**\$6 OFF a 50 lb bag of DuraLife® Calf Milk Replacer and/or  
\$3 OFF a 25 lb bag of NutraStart® Lamb or Kid Milk Replacer**  
(coupon applies to a 25 lb bag of Advance® brand Lamb or Kid Milk Replacer)

**Coupon applies to an in-store purchase only. Call 630-715-1281 for a participating farm store near you.**

Limit: 5 items per coupon. Expires December 31, 2016.

TERMS & CONDITIONS: MANUFACTURER'S COUPON : Redeem this coupon at time of purchase. Coupon applies to the purchase of up to 5, coupon-specific products. Coupon may only be used once, and must be forfeited at time of redemption. Offer good only at participating locations. Not redeemable for cash. Customer is responsible for applicable sales tax. Void where prohibited, taxed or restricted by laws.  
NutraStart is trademark of Milk Specialties Co. © 2016 MilkSpecialtiesGlobal.com

Farm Store: Please return to Milk Specialties Global — Farm Stores for reimbursement. Mail to: Milk Specialties Global, 7500 Flying Cloud Dr., Suite 500, Eden Prairie, MN 55344 (post mark by Feb. 1, 2017).

Limit: total of 5 items	Circle the No. of 50 lb Items Purchased with Coupon				
	1	2	3	4	5
	Circle the No. of 25 lb Items Purchased with Coupon				
	1	2	3	4	5

**Customer's Name:** \_\_\_\_\_

**Mailing Address:** \_\_\_\_\_

**City/State/Zip:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Species / No. Raising:** \_\_\_\_\_

**Store and Location:** \_\_\_\_\_

  
**MILKSPECIALTIES**  
ANIMAL NUTRITION  
Providing Science-Based Solutions

# contents

## Western Farm, Ranch & Dairy

Rocky Mountain/Heartland • summer/fall edition 2016

### Agriculture

Missouri Hay Tarps – Poised for the Future .....	6
Can Cover Crops Solve Nitrate Water-Quality Issue? .....	7
Ron's Manufacturing – Vertical Tillage Coulter Kit Attachment Gets Even Stronger .....	8
Nokian Manufactures Agricultural Tires for Modern Needs .....	9
C & R Supply, Inc. – Birth of a Sprayer...the Family Expands .....	10
Pulse USA, Inc. – The Industry Leader for all your Seed Needs .....	11
McTavish Steelworks Heavy Duty Work Bench – built for a lifetime of work! .....	12
Are you aware there is another option available to the farmer at harvest time? .....	13
Natural Insecto Products .....	14
Pretty Good Twine .....	
Colorbale – Right Over the Edge .....	15
Deaton Nutrition Inc. – How Multi-Sile II Inoculant can save your money .....	16
Cardinal Wireless Inc. .....	
Central Indiana's Leader in Wireless Technology For Business .....	17
Agra Jack™ – Designed for Safety and Reliability .....	18
LAFORGE's PowerFold® Winner of a 2016 AE50 award .....	19
NOW Fehr Cab Interiors has "Anyone-Can-Install" KITS .....	20
Phase-A-Matic, Inc. Rotary Phase Converters – 3 Phase Power Anywhere! .....	21
Ubly Bean Knife and Ubly Peanut Digger Blades Give You the Advant-EDGE! .....	22
Aeroswint Trailers – Leading the Way for Over 20 Years .....	22
Doda USA, Inc. .....	22
Keep your farm shop clean! .....	24
Cross Manufacturing CROSS PDH Position Cylinder .....	24
FARM FOR UNDER 3%! .....	24

### Equipment

RanchWorx® Built for Results - Overbuilt to Last .....	26
A1 Mist Sprayers – Innovation, Ingenuity, Integrity .....	28
Tebben Enterprises – 50 Years of Helping Farmers .....	29
Look Ma – No Wires! Wireless Grain Temperature Monitoring .....	30
Nebraska Harvest Center – Your CLAAS dealer for Nebraska and Eastern Kansas. ....	31
Walinga – Bulk Feed Bodies & Grain-Vacs .....	32
Emerson Manufacturing Corporation – 100% Built in the USA! .....	32
Load Trail – Quality Trailers Since 1996.....	34
FCS Manufacturing, Inc. ....	34
ANBO Manufacturing Announces New Rancher Series Grapples .....	35

### Livestock

Dr. Andy Schwartz Steps up as Texas State Veterinarian .....	36
Dairy Trivia .....	36
Blood-Based Pregnancy Checks-BioPRYN Your Herd! .....	37
Wieser Concrete – Innovation, Quality & Service Since 1965 .....	38
PBI Parlor Systems – Leading the Way in the Dairy Industry .....	39
Rawhide Portable Corral's NEW PROCESSOR .....	40
Bio S.I. Technology – Floor-Mate and Jackpot .....	41
Needle-Guard™ Vaccination Table by Tower Stool LLC .....	42
Powder River introduces new 2000 Series Squeeze Chutes .....	43
SweetPro Feeds of Walhalla, ND .....	44

### Departments

Marketplace .....	46
Advertiser Index .....	48

Front cover photo courtesy of USDA Natural Resources Conservation Service.

## Western Farm, Ranch & Dairy Magazine

a Ritz Family Publication

### President / CEO

Michael Ritz  
mikeritz@ritzfamilypublishing.com

### Executive V.P. Operations

Robert Davis  
rdavis@ritzfamilypublishing.com

### Sales Manager

David Larsen  
david@ritzfamilypublishing.com

### Office Manager

Angie Hawkins  
angie@ritzfamilypublishing.com

### Admin. Assistant

Brenda Stoner  
brenda@ritzfamilypublishing.com

**Ritz** Family  
Publishing, Inc.

### Corporate Office

Ritz Family Publishing, Inc.  
714 N Main Street  
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

For a subscription or to change your  
existing address, call toll free:  
1(800) 330-3482 or 1(208) 955-0124  
info@ritzfamilypublishing.com

Printed By Owyhee Publishing, Homedale, ID

Copyright© 2016. All rights reserved.

Every effort has been made to ensure accuracy of this publication, however, the publisher does not assume responsibility for omissions or typographical errors.

The publisher does not assume responsibility or is liable for the contents of any advertising herein. Publisher's liability for errors in an advertisement is limited to a correct insertion in the next publication. In the event of a misprint, the publisher must be informed of such error prior to printing of the next publication.





*Do it the easy way.*

## **EASY WAY CATTLE CARE**

The most complete line of parasite control available!



### **ATTENTION CATTLEMEN:**

If your cattle or bison are bothered by flies, lice, ticks or other parasites, you need one of our parasite treating stations. They work in pasture or lot on cows, calves and bison. They are fully automatic and require very little maintenance. **Your cattle will do better if they are free of parasites!**



**EASY WAY CATTLE CARE** | P.O. Box 325, Decorah, IA 52101

563-387-0932 or 563-382-2099 | [info@easywaycattlecare.com](mailto:info@easywaycattlecare.com)

**[www.easywaycattlecare.com](http://www.easywaycattlecare.com)**

*Visit us at Farm Fest & Dakota Fest!*

## Missouri Hay Tarps Poised For the Future

Missouri Hay Tarps has been protecting and covering round and square hay bales across the US since 1996. The company's founder Earl Miller is responsible for many US patents but it's his unique "Stake and Wind Lockdown" system that has put Missouri Hay Tarps on the map.



Owners Jeff & Bobbi Limberg purchased the company in 2014. They are committed to continuing the business under the principles of which it was built, offering a quality product at a reasonable price, backed by exceptional service.

In 2013 they improved the quality of an already popular and dependable product by increasing the weight to an even heavier tarp from 6.7 to 7.7 ounces. In addition to the increased weight they beefed up the rope reinforcement on the bottom edge of the tarp which helped to omit any tearing around the grommets and lower edge of the tarp. They didn't stop there, in addition to beefing up the tarp perhaps the most critical and noticeable improvement was the additional UV coating. The tarps are white in color on both sides and come treated with a special UV coating on both sides; both are critical components in combating the sun's damaging UV Rays. With UV coating and white in color on both sides the tarps are fully reversible. Missouri Hay Tarps recommends reversing the tarp each hay season to prolong the life of the tarp. The UV coating and reversing of the tarp will combat the effects of the sun and Mother Nature's elements which make a tarp weak and brittle the longer it is exposed. The improvements of 2013 were a success and Missouri Hay Tarps looks poised for the future.

Tarps will be offered in 20 different sizes guaranteed to cover just about any hay configuration you can dream up.

Order today and see for yourself what has made Missouri Hay Tarps the leader in engineered hay covering. Call 800-514-0258 or visit them online at [www.MoHayTarps.com](http://www.MoHayTarps.com) to place an order or learn more about these tarps. All major credit cards are accepted.



### MISSOURI HAY TARPS, LOWEST PRICE IN U.S.

**NOW EVEN HEAVIER & STRONGER 7.7 ounces**, 230 lbs tensile strength, 1500 denier, 50 micron both sides, Waterproof, Leakproof, Washable, Shrinkproof, Fiber reinforced, Cross-panel construction.

**Fully Reversible White Color and UV Treated for Optimal Sun Resistance and Extended Life.**

300% more holding power with grommets every 12 inches – Tarp literally locks on the stack, lasts twice as long.

**Save Big - Buy Direct at Dealers Wholesale**

SIZE	RETAIL	WHOLESALE
12 x 50	\$ 177.00	\$ 126.00
14 x 50	\$ 222.00	\$ 147.00
16 x 36	\$ 154.00	\$ 120.00
16 x 50	\$ 256.00	\$ 169.00
18 x 48	\$ 273.00	\$ 181.00
24 x 48	\$ 360.00	\$ 237.00
25 x 54	\$ 433.00	\$ 285.00
30 x 40	\$ 380.00	\$ 252.00
30 x 60	\$ 562.00	\$ 375.00
30 x 75	\$ 717.00	\$ 469.00
40 x 60	\$ 726.00	\$ 485.00

Large Bales  
30 ft. wide tarp.  
Medium Bales  
24 ft. wide tarp.



Single Bales  
Use 12 x 50 tarps



16 ft. wide  
(large bales 18 ft.)

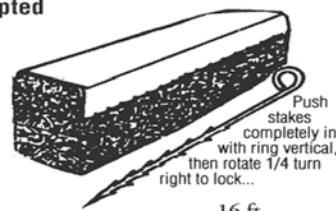


All major credit cards accepted  
Free Shipping

**Self-Locking  
Hay Stake**

Sells for 95 cents each.

Additional  
Sizes  
Available



Large Square Bales (24 ft. wide tarps) 4 ft. 16 ft. 4 ft.

**800-514-0258**  
**[www.mohaytarps.com](http://www.mohaytarps.com)**



# Can Cover Crops Solve Nitrate Water-Quality Issue?

"Solve might be too strong a word," according to Matt Leavitt, a Cover Crop Specialist with Albert Lea Seed, "but cover crops will definitely be part of the solution."



Recently, the Des Moines Water Works threatened to sue three neighboring counties to regulate high nitrate levels in the rivers from which Des Moines pulls its drinking water. (See: "Iowa's Largest City Sues Over Farm Fertilizer Runoff in Rivers," Jan. 12, NPR.) This threatened lawsuit would bring to reality a fear that farmers have had for some time, namely that tile outlets may eventually be monitored for nitrate levels.

Setting aside the politics of the issue, how can cover crops help? Basically, by having cover crops growing (or even just holding soil) for months of the year that row-crop fields are typically barren, we slow down the flow of soil as well as nitrates and other nutrients into tiles, waterways, and ditches.

"Our cover crop seed sales have grown over 300% in the last three years," says Leavitt. "Farmers are taking advantage of government programs that encourage them to plant cover crops. In addition, some farmers who have been using cover crops for many years are beginning to prove that there are long-term economic benefits from using these crops."

There are a lot of excellent sources of information about how to get started using cover crops. Here are a few links:

Albert Lea Seed House:

[www.alseed.com](http://www.alseed.com)

Practical Farmers of Iowa:

[Practicalfarmers.org](http://Practicalfarmers.org)

Midwest Cover Crops Council:

[www.mccc.msu.edu/](http://www.mccc.msu.edu/)



**ALBERT LEA  
SEED**

**SEED**  
FOR **BEEF & DAIRY**  
**FARMERS**

**Call us or visit our website:**

**800.352.5247**  
**WWW.ALSEED.COM**

# Ron's Manufacturing

## Vertical Tillage Coulter Kit Attachment Gets Even Stronger

**R**on's Manufacturing has added two more bearings to their kits. This makes the kits even more heavy duty. Coulter kits from Ron's Manufacturing converts any chisel plow to a year-round tool to prepare your fields.



In the fall, it can be used to lightly till the soil, incorporate

and size residue. It is also a practical way to dry out wet soils. The Vertical Tillage Coulter Kit Attachment works well in no-till conservation tillage, as well as conventional tillage operation, extending the growing season and creating better planting conditions. Vertical tillage prepares the soil to warm more quickly in early spring, energizing the seed-bed for maximum growth and yield potential.

The Vertical Tillage Coulter Kit Attachment is a smart investment in that it has multiple uses which will ultimately produce savings in terms of time and money. It also has a low operating cost per acre and can be used in a wider range of conditions than most tillage tools. It operates at a relatively high speed of 6 to 12 MPH which saves time. The Vertical Tillage Coulter Kit Attachment allows for quick mixing of manure and soil to prevent loss of nutrients and control odor. It can also be used for very shallow incorporation of fertilizer and select herbicides.

The Vertical Tillage Coulter Kit Attachment is spaced on 6 inches.

For more information contact Ron's Manufacturing at 40582 187th St., Carpenter, SD 57322; phone 605-266-2177; E-mail [info@ronsmfg.com](mailto:info@ronsmfg.com). (Also, please see their ad in this issue).



## Change any chisel plow into a Coulter Machine

All steel (no cast iron)



The coulter kit includes:  
Two 18" 13-wave boron "earth hardened" coulter blades.  
Exclusive "Double Shields" for bearings and seals.  
Exclusive Double Bearings on each end of the shaft - **4 bearings in all!**  
Kit includes all mounting hardware.

**Ron's Mfg.**

(Please see press release in this issue)

For more information go to

**[www.ronsmfg.com](http://www.ronsmfg.com)**

or call **(605) 266-2177**

email: [info@ronsmfg.com](mailto:info@ronsmfg.com)

LOOK **up**, LOOK **out**,  
And LOOK **around...**



**Farm safety begins with being alert.**

We can get a little too comfortable with our work and equipment. Always keep at least a 10 foot circle of safety between you, your equipment, and overhead power lines.

**NorthWestern**  
Energy

*Delivering a Bright Future*



# Nokian Manufactures Agricultural Tires for Modern Needs

Nokian Tyres is a European tire manufacturer that specializes in specific solutions for unique agricultural applications. Their focus is on offering new tire designs that out-perform traditional agriculture tires by improving performance on hard surfaces and carrying heavy loads efficiently.



The Nokian TRI 2 tractor tire is designed for the needs of the modern tractor. It features a block tread pattern that performs well when tractors are on the road and in the field. When the Nokian TRI 2 is used on the road, it has more tread surface in contact with the road than a traditional tractor tire. That spreads the tire wear out over a larger surface area and allows the TRI 2 to last much longer than a traditional tractor tire in

hard surface applications. The Nokian TRI 2 also has excellent grip and self-cleaning and limited ground disturbance in the field. The TRI 2 offers higher load carrying capacity than traditional tractor tires, which helps extend the life of your tire. The Nokian TRI 2 is a 40 mph rated tire, which allows you to drive faster and ride smoother than a traditional tractor tire. The Nokian TRI 2 offers excellent performance for agricultural applications where the tractor is used on the road and/or carries a heavy load.

Nokian flotation radial tires are designed to carry the heavy loads of today's agricultural trailers with stability and low ground pressure. The Nokian ELS radial tires have a lug pattern that is typical to many other flotation tires currently available in the market. What is different about the ELS radial tire is its ability to carry heavier loads with the stability and larger footprint of a radial tire. In addition, the Nokian ELS radial will perform better on hard surfaces than a typical agricultural trailer tire. If you use your agricultural trailer mostly on the road, or if you are carrying the heaviest loads, the Nokian Country King is designed specifically for those needs. All Country Kings are steel belted to offer increased load carrying capacity, while maintaining a light footprint in soft soil applications. The Nokian Country King features a block pattern that maximizes the tread contact with the road, which leads to a long service life in hard surface applications. The Nokian line of flotation radial tires are manufactured for the needs of the 21st century agricultural trailer.



nokian  
TRI 2



## Reliable Performance All Year

The Nokian TRI 2 features excellent grip, high load-bearing capacity and superior driving comfort.

- Car-like driving
- Unique wear resistance
- Low rolling resistance
- Self cleaning
- Long working hours

nokian  
COUNTRY KING



## Versatile Flotation Tire

The Nokian Country King performs lightly and economically on fields and roads alike.

- Large contact area
- High load-bearing capacity
- Stable and comfortable driving
- Low rolling resistance
- Mounted assembly available

**800-565-2525**

# C & R Supply, Inc.

## Birth of a Sprayer...the Family Expands

After carefully listening to customers who were disappointed with the performance or lack of features in ATV sprayers available, C & R Supply set out to design a series, or family of sprayers to meet their needs. The family began with the EZ ATV Sprayer which features a unique tank design that was created with input from customers and ATV manufacturers. Using this input, and keeping the operator in mind the EZ ATV Sprayer was designed for ease of operation, functional ability and safety. The design was a success! This unit has been in demand since 1998 and continues to hold a strong presence in the market today.

The EZ ATV Sprayer has a sleek design which brings the weight forward and more to a center of gravity for better machine balance. Allowing the legs of the tank to wrap around the fenders of the ATV gives the sprayers dual sumps maximum drainage and the ability to run on side hills without losing its prime. The pump, strainer, and main shut off are mounted underneath the



tank in a protected cavity, which also serves as a dual slosh baffle. The top of the tank is designed with a fill catch area to prevent chemical from getting on the operator. The EZ Sprayer is fitted with a 4 gpm Shurflo Pump and a quality Tee-Jet trigger style handgun in the convenient control panel at your side. All brackets and boomless nozzle or boom accessories are attached to the tank for quick and easy mounting. The EZ ATV Sprayer has several different options and accessories to meet your needs.

As time went on customers began seeing a need in their operation for UTV's. C & R Supply responded by expanding their family of sprayers. The UTV sprayer was born and it was named the C & R Slide In after its ability to be easily slid on and off the bed of the UTV as needed. The sprayer is mounted on a powder coated frame which allows the unit to be transferred as a single piece of equipment. This sprayer, like its elder sibling, was built with only the highest of quality components. The Slide In features a 60 gal tank, left and right electric controls with wiring harness, a Shurflo 4gm by pass pump, and Boominator nozzles which can spray a width of up to 30 feet. An 8 inch handgun from Tee Jet with adjustable tip for hand spraying is also included. The Slide In sprayer has options and accessories available to meet the needs of your operation including a convenient retractable hose reel add on and additional boom options.

C & R Supply, Inc. is a distributor and manufacturer of

### Tired of Cheap, Throw-Away ATV Sprayers?

#### The Sport Utility Sprayer



#### FEATURES:

- Left and right electric controls with wiring harness standard
- Shurflo bypass pump
- Boominator nozzles spray a width of 30 feet
- Includes hand gun with adjustable nozzle

**60 Gallon Tank mounted on a powder coated frame  
for the bed of your sport utility vehicle**



3610 North Cliff Ave.,  
Sioux Falls, SD 57104  
**1-800-322-2637**  
**www.crsupply.com**  
Fax: 1-605-338-6015



agricultural and roadside spray equipment located in Sioux Falls, South Dakota. For over 40 years, C & R Supply, Inc. has been a leader in the distribution and servicing of many quality products from Raven Industries, Spraying Systems, Banjo, and more. They also lead the way in designing and manufacturing new and advanced products as their customer needs change. This family of quality sprayers began with the introduction of the C & R Foam Marker and Spot Sprayer which progressed to the units we are featuring here today. C & R is a provider of precision ag products such as GPS guidance systems, variable rate controllers, mapping, steering assist systems, and chemical injection units. C & R Supply prides themselves on having the knowledge and experience to continually advance their product line to keep up with ever changing technology in a way that helps producers maximize their output.





# Pulse USA, Inc.

## The Industry Leader for all your Seed Needs

**A**t Pulse USA, Inc.; we aren't simply a seed company – we are a refreshing way of doing business. We pride ourselves in the products that we sell, but more importantly the services that we provide to our customers. We are known in the Upper Midwest as the leader for pulse crop seeds; such as field peas, lentils, etc. Since the inception of our company in the early 2000's; pulse crops have been the foundation of our business, but since then we've added several crops to our lineup. Our office and warehouse is located in Bismarck, ND – but we are well known for excellent customer service all across the country.



Each year we see more producers convert to planting pulse crops, and we've become a cornerstone in helping guide them along every step of the way. As the agriculture industry continues to evolve and change each and every day; we've dedicated ourselves and our business to staying in pace with this - while our views are focused on creating and building a strong working relationship, with each of our customers. Every year we work very closely with breeders and researchers across the globe; to ensure that we select the highest quality lines of seed, for our customers.

One of the ways that we have evolved with the industry, is our specialization in distributing a full line of forage and cover crop seeds. We market "tried and true" premier blends of cover crops, forages, and wildlife species. We proudly provide custom blending on all of our products, to meet all of your individual needs and goals.

We also market and sell various varieties of the following seed lines: yellow field pea, green field pea, Clearfield® lentil, LCS hard red spring wheat, exclusive spring wheat, and Dairyland® soybean. We also sell crop nutrient and protection products to better protect your products in the field. We

distribute biological seed treatments, commercial seed treatments, and inoculants for – seed, hay, and silage, and many other crop inputs.

As we've grown in the Agriculture industry, we have been humbled to work with branded and trusted companies that bear the same integrity that we do at Pulse USA. We distribute seed for companies such as: Alforex Seeds, Gayland Ward Seed, Limagrain Cereal Seeds, BASF Clearfield®, Dairyland®, and Wolf River Valley Seeds. Our seed treatments and inoculants are distributed for companies such as: Monsanto BioAg, BASF, Verdesian, CP Bio, Lallemand, Heads Up, Albaugh LLC, Syngenta, and Timac AGRO.

At Pulse USA, Inc.; the customer is the company – yesterday, today, and always. We invite you to connect with us, and welcome you to visit with us anytime. If you are on social media; you can find us on Facebook, Instagram, Twitter, and YouTube. You can also check out our website; [www.pulsesusa.com](http://www.pulsesusa.com), or stop in at our facility at 2002 Northern Plains Drive Bismarck, ND 58504.

A vertical advertisement graphic for Pulse USA. The top half features a close-up of green corn leaves. The Pulse USA logo, with a red and blue swoosh and a star, is prominently displayed. Below the logo, the text "Cover Crop Seed & Blends", "Forage Seed & Blends", "Seed, Hay, & Silage Inoculants", and "And Much More!" is listed in bold. A call to action "Contact us today for all your seed needs!" is below that. The bottom half of the graphic shows a herd of black cattle grazing in a green field, with a red pickup truck parked in the background.

**PULSEUSA**

**Cover Crop Seed & Blends**  
**Forage Seed & Blends**  
**Seed, Hay, & Silage Inoculants**  
**And Much More!**

**Contact us today for all your seed needs!**

Bismarck, ND [www.pulsesusa.com](http://www.pulsesusa.com) (888) 530-0734

**WILGER**  
Excellent Spray Tips for Excellent Application

**COMBO-JET®** Control Drift.  
DROPLET SIZE Optimize Droplets.  
SELECTIVE TIPS Reduce Plugging.



**COMBO-RATE® MODULAR NOZZLE BODIES**  
Top, Side & Bottom mount options  
Multiple shut-off options  
Better coverage with multiple nozzles



**Tip Wizard DIGITAL TIP SELECTOR**  
Use Tip-Wizard to help you choose tips for your specific chemical applications. Available online or on free smartphone app.



**www.wilger.net**  
**(877) 968-7695**

# McTavish Steelworks Heavy Duty Work Bench – built for a lifetime of work!

When outfitting your new shop or improving your existing one, do yourself a favor and check out our heavy-duty workbenches.

McTavish Steelworks can provide you with a high quality and durable work benches that will help you organize your workplace.



The frame of the steel work bench is a sturdy one-piece welded structure. Within these frames are the heavy duty drawers with large ball bearing rollers capable of supporting 300 lbs. All drawer and door banks are built in 2' increments.

But a work bench without a great table top might just as well be a filing cabinet. The McTavish work bench table tops, however, are a sturdy 10 gauge steel that can easily support vises and other heavy tools, helping to make it a great work bench. For those who prefer, stainless steel table tops are also available.

The work bench cabinets are all powder coated and can be ordered in a variety of colors. Benches are available in lengths of 4, 6, 8, 10 and 12 feet.

McTavish work benches are built to endure the tests of time and labor. Whatever your needs, we have the right workbench to fit your needs.

For more information, go to [www.McTavishSteelworks.com](http://www.McTavishSteelworks.com), or call 888-952-3624.



**CUSTOM SIZED STEEL FRAME BUILDINGS  
FOR YOUR FARM FROM VARCO PRUDEN**

**Why settle for a standard sized building?**





Whether you need a barn, dairy, arena, stalls, or storage for crops and equipment, Varco Pruden builders can provide a quality building at an affordable price. And it doesn't have to be too big or too small. Every year, Varco Pruden provides hundreds of steel buildings for farm and agricultural use in custom designs and dimensions. Options include:

- Custom sizes to 1/16th", from 20' to 250' Wide and 30' to 750' Long
- Wide selection of colors with long-life warranties.
- Delivery as soon as 4-6 weeks, depending on complexity.
- Professional installation available through VP's nationwide network of Authorized Builders.



For free information, go to: [www.vp.com/ad/WLRD](http://www.vp.com/ad/WLRD)  
©2014 Varco Pruden Buildings is a division of BlueScope Buildings North America.



# Are you aware there is another option available to the farmer at harvest time?

2013 marked U.S. Custom Harvesters' 30th anniversary. The organization began in May 1983 with a few harvesters around a table discussing issues the industry was up against at the time and the need for a strong voice. The idea quickly turned into reality and continues to gain recognition among other agricultural entities. U.S. Custom Harvesters, Inc. is the only national association working for the custom harvesting industry and provides more than just a resource for the custom harvester.



Equipment failures, labor shortages and inclement weather don't realize the harvest can't wait. A custom harvester can relieve the stress of the most anticipated stage of a plant's lifecycle for the farmer. By providing the equipment and the necessary labor, the custom harvester is able to harvest the crops in a professional and timely manner.

U.S. Custom Harvesters, Inc. serves as a strong link between harvesters, the farmers they serve and businesses they work with. We provide a powerful voice for our industry to Local, State and Federal Government agencies. We help create that community through our monthly newsletter, our website ([uschi.com](http://uschi.com)), our Facebook page, and even our twitter (@tweets\_USCHI).

Whether you're looking for a forage or a grain harvester, a call or email to the office can help you find someone willing to be there at your most crucial time of the year. Please be sure to visit our website for more information or call 620-664-6297 if you have questions.

**U.S. CUSTOM HARVESTERS, INC.**

**WE HARVEST THE CROPS THAT FEED THE WORLD.**

*The custom harvester —  
a quality option for the farmer  
at harvest time.*

For more information or to find a harvester,  
contact the office.

www.USCHI.com • 620-200-1381  
office@uschi.com

Facebook: USCustomHarvesters Twitter: @Tweets\_USCHI

**Spray up to 140" without booms with the best built mist sprayers in the market!**



**Get Uniform Distribution WITHOUT BOOMS!**

- Vegetable/Fruit Spraying - Sweet Corn - Pumpkins - Tomatoes - Strawberries - Watermelon - Cucumbers
- Wind Breaks - Road Ditches - Ravines - Brush - Trees
- Pasture & Range Control - Livestock & Insect Control
  - Fly Control - Mosquito Control (West Nile Virus)
- Broadcast & Row Crop Use - Vineyard \_Orchards
  - Spray Insecticides - Herbicides & Fungicides
  - Foliar Fertilizer Applications

***This is the most efficient way of applying chemicals.***

**ALL WITHOUT BOOMS!**



**Northern Ag Mist Sprayer**

701-883-4235 • [www.northernagmistsprayer.com](http://www.northernagmistsprayer.com)

# Natural Insecto Products

**I**NSECTO is an insecticide alternative to chemical poison's used for control of grain insects and house insects.

INSECTO has been registered with the USA Environmental Protection Agency since 1984 (EPA Reg. # 48598-1).

INSECTO is a formulation of a very refined (Micron average size 7) saltwater Diatomaceous Earth (DE) blended with several protein food products which act as baits. DE is the skeletal remains of plankton which feels similar to talcum powder, however when viewed under a microscope, one can see the sharp jagged edges on the DE which basically cuts up and breaks down insects waxy protective coatings. Also, the saltwater DE absorbs up to 175% of its weight in fluids compared to only 150% for freshwater DE. DE is allowed by the Food and Drug Administration (FDA) in Human and Animal food products up to 2% of weight; it is used as an Anti-Caking agent in many food products.

INSECTO kills insects by cutting up the insects bodies, than absorbs their body fluids, which leads to their deaths by dehydration; a physical kill rather than a chemical kill. Insects don't build up a resistance to INSECTO, unlike chemical pesticides. INSECTO is labeled with the EPA "For Organic Production" and is listed with the Organic Material Review Institute (OMRI).



INSECTO has been and is being used by Bunge, Cargill, Consolidated Grain & Barge, ADM and other large companies for several decades, along with on farm storage by thousands for farmers

around the United States and Canada. INSECTO has been exported to Japan, UAE, Israel, Jamaica, Brazil, Nicaragua, and several other countries.

INSECTO is now being used in Poultry Housing for control of Mites, Darkling Beetles, Lesser Mealworms and other insects which plague this industry. Insects in poultry houses are destroying the insulations as well as adversely affecting the health of the birds. INSECTO should be blown in at a rate up to 4 pounds per 1,000 square feet of surface area.

INSECTO was originally developed as an alternative to the chemical poisons which were in wide use in the 1970's and 80's, and has become one of the few registered insecticides on the market today. Control your insect problems today and in the future with INSECTO.

**NATURAL INSECTO PRODUCTS, INC.**  
221 Sherwood Place, Post Office Box 12138  
Costa Mesa, California 92627  
Phone: (800) 332-2002 or (949) 548-4275  
(949) 548-4576 Fax, [www.insecto.com](http://www.insecto.com)  
E-mail: [insecto7@earthlink.net](mailto:insecto7@earthlink.net)

**TITAN WE BUILD IT ALL.**

**Aluminum Stock Trailer**

**Avalanche Bumper**

**NEW**

**Tandem Dually Flatbed**

**Gooseneck Dump Trailers**

**Gooseneck Stock**

**Construction Utility Trailers**

**(866) 294-4514**

2306 Highway 77 • Waterville, KS 66548 [www.titantrailer.com](http://www.titantrailer.com)

**DON'T FORGET TO CHECK US OUT AT [WWW.TITANTRAILER.COM](http://WWW.TITANTRAILER.COM)**

**INSECTO**

**Safeguard Your Grain No License Needed!**

**OMRI Listed**  
Organic Materials Review Institute

**See your distributor, call below.**

**Control Insects Now**  
**Bottom Dress & Top Dress Now**  
**TREAT EMPTY BINS IN LESS THAN A MINUTE**  
INSECT-KILLING DUST is simply poured into the aeration fan until it can be seen blowing from bin top.

**No Applicators License Required to Buy and Use INSECTO**

**-E.P.A. Reg. No. 48598-1-AA-**  
**Registered for Organic Production**  
**Natural Insecto Products Inc.**  
**800-332-2002 • 800-INSECTO (467-3286)**  
**800-582-3826 MT, ND, SD**  
**870-972-9293 AR • 225-694-3724 LA, MS**  
**[www.insecto.com](http://www.insecto.com) • [insecto7@earthlink.net](mailto:insecto7@earthlink.net)**



# Pretty Good Twine

## Colorbale – Right Over the Edge

**N**EW – Colorbale net wrap offers over the edge coverage, consistent reliability, and is designed for high performance. Innovative color-coded loading indicator allows for easy loading plus allows for stress-free removal of the netting when feeding. The new stretch technology brings you reliable and consistent over-the-edge coverage. This straight and true product is free-rolling without surface contact or snagging. Extensive research means this new premium product will meet your performance needs. Available in 2 sizes, 51" x 10,500' roll for 4' balers and 67" x 7,700' roll for 5' balers. Farmer's standard netwrap is offered in both a white and green in widths of 64", 67", 48", and 51". Corn Stalk net wrap is 15% stronger for those tough baling conditions. This product performs well on corn stalks, wheat straw, and milo stubble. All netwrap is UV stabilized and has a 6-stage quality control with traceability. These products will work in all brands and models of balers. All Farmer's brand netwrap is manufactured right here in the United States.

Plastic baler twine is available in a variety of strengths for big square including twine for the high density balers, small square and round balers. Twine is manufactured with a single tape construction, mechanically fibrillated, UV stabilized and has twist uniformity.

We stock several sizes of hay tarps to meet your needs. Features are a 7.5 oz polyethylene fabric (16 Mil thickness), silver/black fabric to reflect the sun, and includes tie down system with buckle assembly.

Start baling sooner with hay preservative that has 68% propionic acid, packaged in 450# drums or 2,250# totes for your convenience. Benefits are less leaf shatter, more retained leaves make more nutritious hay, and softer more palatable hay.

The multi-layer co-extruded silage film is a superior product that has a

25 micron thickness or 1 mil. This 5 layer film is formulated for higher strength and has a high level of UV stabilizer to prevent film degrada-

net wrap, plastic baler twine, hay tarps, silage film and hay preservative. We offer quality products with great service at a reasonable price. Our delivery



tion. Performs well in both cool and wet months of spring and hot and dry summer months. Successfully used on round and big square bale wrappers.

Pretty Good Twine products include

trucks travel from Texas to North Dakota and Ohio to Colorado.

Please contact us for more information at (800) 552-3295, e-mail at [info@syntheticresources.com](mailto:info@syntheticresources.com) or visit [www.prettygoodtwine.com](http://www.prettygoodtwine.com)



RIGHT OVER THE EDGE

**Colorbale**  
STRAIGHT AND TRUE

- Over the Edge Coverage
- Consistently Reliable
- Designed for High Performance

Premium Agricultural Products from:

**Net Wrap ♦ Baler Twine ♦ Hay Tarps**  
**Silage Film ♦ Hay Preservative**

**800.552.3295** [www.prettygoodtwine.com](http://www.prettygoodtwine.com)

**NEW**

**PRETTY GOOD TWINE**

## Multi-Sile II

THE LEADER OF THE PACK!

### Crop Specific Inoculant

- Haylage & Small Grains
- Dry Hay-up to 26% moisture
- Corn Silage
- Hi-Moisture Corn

**Full line of applicators.**  
**Exceptional customer service.**  
**Organic certified.**  
Custom Operators Wanted

### DEATON NUTRITION, INC.

N4852 County Road C ~ Ellsworth WI 54011  
 Office: 715-273-3739 Cell: 612-812-7939  
[www.multisile.com](http://www.multisile.com) [deatonnutrition@dishup.us](mailto:deatonnutrition@dishup.us)

## Deaton Nutrition Inc.

### How Multi-Sile II Inoculant can save your money

After generations, farming is still a margins game. Profit or loss can base on a big gamble or just a little bit of bad weather. Waste is always a concern. Farmers and ranchers have done the best they can, but everyone needs help from time to time.

25 years ago, Deaton Nutrition, Inc. started out as one-person company doing rations to improve feeding. They have expanded to include crop specific inoculants sold in 28 states and 2 countries. Every employee has either worked on or grown up on a farm. They work with everyone from hobby farms to custom operators to thousand+ cow dairies. They also have a line of custom made applicators. "We are a customer service based company. If our customers aren't happy, then we aren't happy."

"As I nutritionist, I saw a growing need for high quality forage." We have perfected a formula that is both effective on crops and easy to apply. Treating feed and crops with a high quality inoculant is one of the best investments you can make. With an average return rate of at 6:1, this is a gamble most would say is worth taking. Returns include:



New Pro-Siler 1000 applicator

- 1) **Better Protein Value and Palatability.** With tests done with Multi-Sile II Dry Hay Inoculant vs. propionic acid, all animals preferred the feed treated with the inoculant.
- 2) **More Silage to Feed.** When using silage inoculants, as much as 15% of loss could be saved due to a more efficient ensiling process. This could mean that for every 100 acres ensiled we have an additional 1 to 2 acres of more feed.
- 3) **Better Milk and Beef Production.** Trials showed that when inoculant treated silage was fed to beef steers, it improved ADG to the equivalent of feeding an additional 2.2lbs of concentrates/cow/day.

Multi-Sile II- The one that's Guaranteed to Improve Animal Performance.

All products are made in the USA. For more information you can call 715-273-3739 or go to [www.multisile.com](http://www.multisile.com)

## Pelletized Poultry Fertilizer

Spreads easily with lime spreading equipment.  
 Suitable for organic farming.  
 Superior alternative to chemical fertilizers.  
 Stimulates soil health and improves crop production.  
 Excellent source of slow-releasing nitrogen.  
 Contains 80 lbs. of Nitrogen per ton.

### HERBRUCKS POULTRY RANCH, INC.

Brian Geerlings, Fertilizer Sales Manager

Office (616) 642-9421 • Cell (616) 902-2025  
[bgeerlings@herbrucks.com](mailto:bgeerlings@herbrucks.com)  
[www.herbrucks.com](http://www.herbrucks.com)



# Cardinal Wireless Inc.

## Central Indiana's Leader in Wireless Technology For Business

Cardinal Wireless has been in the Wireless For Work business for more than 30 years. We were founded in 1980 as Cardinal Two-Way Radio Communications, Inc., specializing in efficient, cost-effective services for business and industry. From there we grew to become a major radio and wireless equipment dealer, service center, and airtime supplier serving the Central Indiana market. Today we focus our efforts on providing high-quality UHF/VHF trunking, digital or analog radio communications, GPS systems and accessory equipment.

In the past couple of decades, wireless communication technology has grown from an expensive personal luxury to an essential tool for virtually every kind of business. Cardinal Wireless has made wireless work for everything from warehousing operations to construction teams to the most sophisticated health care facilities.



Cardinal Wireless Inc. owns and operates three radio trunking systems that provide wide-area service to our radio customers. We also operate an in-house service center with a full staff of expert technicians who handle repairs for all major brands of two-way radios.

We represent selected products from: Kenwood, Vertex Standard, Maxrad, Motorola, Networkfleet, Omnitrac, Otto Engineering, 3M Peltor, Ritron, Zetron, JPS/Raytheon, Icom and many others.

Cardinal Wireless Inc. is always looking for new ways to help our customers. We are continually seeking new methods, products, and ideas that will help us continue to provide our customers with the quality and professionalism they have come to expect.

Wireless solutions can save you time, money, and hassles by helping you work smarter. It's a wireless world, and we're all doing business in it. We're ready to help you find the right Wireless For Work solutions, right now. For more information, visit [www.cardinal-wireless.com](http://www.cardinal-wireless.com)

## When reliability and service matter, Cardinal is the clear choice.

Wireless technology has become a vital tool for many businesses. Our solutions save you time and money to help you work smarter.

With over 30 years of experience our service center can handle all of your repairs.

Cardinal Wireless Inc. provides 2-Way radio solutions, sales, system design, repair, rentals and accessories for a wide range of businesses and applications.

Contact our Wireless Specialist today at  
**800-332-3268**



[cardinal-wireless.com](http://cardinal-wireless.com)

**Cardinal Wireless INC.**  
WIRELESS FOR WORK

6925 Hawthorn Park Drive Indpls, IN 46220  
317-577-9944

**800-332-3268**

## SPECIALIZING IN HIGH QUALITY LASER-BASED ALIGNMENT PRODUCTS



**Providing Precision Industry Solutions for:**

- Construction
- Road Building
- Agriculture
- Recreation



**240 THAMES RD. W. EXETER, ON N0M 1S3**  
**1-877-877-0433 • LATEC.ON.CA**

# Agra Jack™ – Designed for Safety and Reliability

The AGRA JACK™ High Lift Sprayer Jack systems revolution-ary patented design was devel-oped as a safe means of changing the tires on large self-propelled Farm Sprayers. When it's all said and done, the AGRA JACK™ High Lift Sprayer Jack is both very safe and fast to use. AGRA JACK™ is as easy to use as a two wheel shop cart.

The design of AGRA JACK™ High Lift Sprayer Jack allows the tires to be changed in minutes, instead of hours.

Ruggedly constructed from high strength steel tubing and heavy structural plating, the AGRA JACK™ High Lift Sprayer Jack is designed and built to last a lifetime. The AGRA JACK™ High Lift Sprayer Jack is powered by air over hydraulics The jack is included.

Keep in mind, AGRA JACK™ is not a cheap copy, it is the original patented sprayer jack. It came about as a result of a near tragedy.

A good friend of manufacturer Bruce Pigeon was attempting to change the tires on his new sprayer for the first time. Not

having a sprayer jack or stand, he stacked up a bunch of cribbing in order to get his jack far enough off the ground to enable him to jack up the sprayer.

As he was removing the lug nuts the cribbing supporting the jack collapsed, almost causing the sprayer to fall on him. Fortunately he still had 3 lug nuts on the lug bolts and that kept the wheel on the sprayer and kept the sprayer from falling, narrowly avoiding what could have been catastrophic injuries.

To make a long story short, he called Bruce to help him and the solution Bruce came up for him evolved into the AGRA JACK™ System of today.

Farming is a dangerous occupation. What is the price of safety? If you have looked at a cheap copy, ask yourself this: "What's Your Life Worth?" Once you have the AGRA JACK™ system, you will wonder how you ever got along without it.

Pigeon Products & Mfg. have more innovative projects on the drawing board that they will be releasing in the

upcoming months. Watch for their new product releases – you will love them. For more information on the Agra



Jack™ and other products, visit their website at [www.AgraJack.com](http://www.AgraJack.com) or call 701-463-2959.



**QUALITY PARTS-DISCOUNT PRICED**

**MAIZE CORPORATION**  
**The Big Bale Specialist**

*We have the parts you need to keep you up and running.*

- Knotter parts
- Stuffer Area
- Plunger Parts
- Pick-up Parts
- Packer Cranks
- Haydogs
- Electrical Parts
- Hydraulic Parts
- Bale Chutes

- Accumulator Parts
- Knotter Blowers
- Tines
- Windguards
- Clutches & Brakes
- Driveline Parts
- Liners
- Shields

Your headquarters for New and Used Hay and Forage Equipment

**Maize Corporation now provides parts for windrowers and swathers**

Replacement Parts for Hesston®, Massey®, Challenger®, and Case® 8000 Series Balers

Your headquarters for New and Used Hay and Forage Equipment

**Shipped The Same Day.**  
**888-722-8710**

**MAIZE CORPORATION**  
[www.maizeparts.com](http://www.maizeparts.com)

**The REVOLUTIONARY one man tire changing system for self propelled farm field sprayers.**

**Strut Clamp**      **Tire Wrangler**

**Agra Jack**

**US Patent #8,822,355**

**Manufactured by:**  
**PIGEON PRODUCTS & MFG**  
P.O. Box 187 • 341 Railroad St. • Garrison, ND 58540-0187  
[bw@pigeon.com](mailto:bw@pigeon.com) • [www.agrajack.com](http://www.agrajack.com)  
**701-463-2959**

- Fast and Safe to Use
- 20 Ton Air Over Hydraulic Jack
- Cut Tire Changing Time to Minutes, Not Hours
- Dealer Inquiries Welcome



# LAFORGE's PowerFold®

## Winner of a 2016 AE50 award

**S**t. Joseph, Michigan. – The American Society of Agricultural and Biological Engineers (ASABE) has named LAFORGE's PowerFold® automatic folding system for front hitches the winner of a 2016 AE50 award.

AE50 awards honor the year's most innovative designs in engineering products or systems for the food and agriculture industries. The PowerFold® will be featured in the January/February 2016 special AE50 issue of ASABE's magazine Resource: Engineering & Technology for a Sustainable World.

We are pleased and honored to once again receive an AE50 award for one of our products related to front hitch technology, says Lars Paulsson, Vice President of LAFORGE Systems Inc. The PowerFold® allows for folding and unfolding of the tractor's front 3-point hitch by simply pushing a button in the cab. It's a big step forward in enhancing comfort and safety for tractor operators, Paulsson continues, and it solidifies LAFORGE's position as the undisputed leader in front hitch technology.

Companies from around the world submit entries to the annual AE50 competition and up to 50 of the best products are chosen by a panel of international engineering experts. The judges select products that will best advance engineering for the food and agriculture industries.

The AE50 awards program is sponsored by Resource to emphasize the role of new products and systems in bringing advanced technology to the marketplace. These engineering developments help farmers, food processors and equipment manufacturers cut costs, enhance quality and increase profits.

Resource, a magazine geared to agricultural, biological and food system engineers worldwide, is produced at ASABE headquarters in St. Joseph, Michigan. The publication is read by thousands involved in the agricultural, food and biological industries.

ASABE is an international scientific and educational organization dedicated to the advancement of engineering applicable to agricultural, food, and biological systems.

Further information on the Society can be obtained by contacting ASABE at (269) 429-0300, emailing [hq@asabe.org](mailto:hq@asabe.org) or visiting [www.asabe.org](http://www.asabe.org).

For more information about AE50, Resource magazine or ASABE, contact Sandy Rutter (269-932-7004) or [rutter@asabe.org](mailto:rutter@asabe.org)

For more information about LA-



FORGE go to [www.fronthitch.com](http://www.fronthitch.com) or [www.laforge.fr](http://www.laforge.fr) or contact Lars Paulsson at [lars@fronthitch.com](mailto:lars@fronthitch.com)



### Save Trips and save Fuel with LAFORGE FRONT HITCH SYSTEMS





**SERVING NORTH AMERICA FOR OVER 25 YEARS**



- Hitches for hundreds of tractor models
- Models for tractors from 45 to 620 HP
- Lift capacity up to 14,000 lbs.
- Highest PTO rating on the market
- 540 or 1,000 rpm available

**LAFORGE SYSTEMS, INC.**  
Concord, CA & Cedar Falls, IA

1-800-422-5636  
[lars@fronthitch.com](mailto:lars@fronthitch.com)

[www.fronthitch.com](http://www.fronthitch.com)

**LAFORGE, the best way to use the other half of your tractor**

**CLARKS AG SUPPLY**

## **EASILOAD**

**Seed Systems**

308-548-2555

[www.clarksagsupply.com](http://www.clarksagsupply.com)

**"THE ONLY SEED SYSTEMS AVAILABLE WITH"**

- SAFE, LO PROFILE DESIGN
- AVAILABLE IN 2, 3, 4, BOX UNITS
- 120, 200 AND 300 UNIT BULK
- DOUBLE AXLE BRAKES
- BUILT LIKE A SEED TENDER
- FINGER TIP SEED CONTROL
- SCALE OPTIONS AVAILABLE



*EasiBull 120, Estart Honda motor, KYB Auger lift, Powder coat finish, 5,200# torsion axles w/brakes.*

**The Most Farmer Friendly System on the Market Today!**

**EASIOPEN SEED BOX OPENER**

Patent Pending

- Over 400 Lbs Pulling Torque
- Light Weight, Only 15 Lbs
- Remote Operated
- Rechargeable Battery • Safety Cable
- Opens a Seed Box in 8 Seconds Call




**Shane or Tom at  
Clarks Ag Supply  
866-246-2588**

# NOW Fehr Cab Interiors has “Anyone-Can-Install” KITS

**H**ey, now your job just got easier! **Fehr Cab** is excited to introduce the “Anyone Can Install” cab kits to their ever-expanding product line. The John Deere 2 wheel drive 30, 40, 50, 55/60 series sound guard cabs are available finished onto molded plastic for much easier installation now! The IH 86 & IH-88 headliners are also available as a pre-formed “Anyone Can Install” new kit. These new panels will save you up to 4 hours in installation time and you will no longer have the nuisance of having wrinkles develop and adhesive drying too quickly. Since spray adhesive is no longer needed, you do not have to wait for warmer temperature to complete the installation.

If you have a tractor over 15 years old, the interior has started to show its age and is falling apart. The vinyl gets saggy, and the foam lining in the cab loses all acoustical properties and starts to harden and deteriorate. In house testing done by **Fehr Cab** has shown a significant difference in decibels when comparing new and old acoustical foam panels. By replacing the acoustical foam, it silences the high pitched sound decibel's that causes damage to your hearing.

As new tractors continue to be offered in the ag-market, the cost of equipment has soared, and it can be hard to update to

the latest and the greatest. However, when the time does come to update or trade in, you want to get top dollar out of your trade in. By installing a **Fehr Cab** kit, it gives the purchaser the assurance that you cared about your tractor and have kept your equipment in the best of shape. By freshening up the cab, the value of the tractor can increase up to 15%. **Fehr Cab** installs these interior kits in local customers' cabs to insure that each part fits and every kit is easy to install. Quality materials and superior service is what makes a **Fehr Cab** kit the best value.



JD 55/60 Srs on Plastic

Most farmers can install these parts into his or her tractor, using **Fehr Cab** do-it-yourself kits for over 700 different model cabs. **Fehr Cab** kits are available with pre-cut, pre-sewn, pre-formed panels and complete instructions and whatever is necessary to install kits. Check out our “installation video” on our website, [www.fehrcab.com](http://www.fehrcab.com). **Fehr Cab** strives to replicate the original vinyl, foam thickness, quality custom fit and overall appearance in all interiors offered. The new interior kits make the cab atmosphere so much more pleasant, clean, and quiet.

Currently, we are adding new items to our growing product line. Some of the newer items recently introduced are: Complete Seal Kits for Doors and Windows (pre-mitered and contoured to fit); Construction equipment interiors; Cat Challenger interior components, John Deere 6120-8530 model interiors and John Deere newer model S series Combine sound dampening kits. **Improvements are consistently introduced and customer comments are taken seriously.** Over the past 25 years, we have learned to listen to our customers' requests and concerns to contribute to continued quality and affordability to stay competitive. To make a difference in sound control in your cab, contact **Fehr Cab Interiors Co.** anytime for information or to order.

**Fehr Cab Interiors Co.** 10116 N. 1900 E. Rd. Fairbury, IL 61739 ph: 815-692-3355 or fax: 815-692-2574 [sales@fehrcab.com](mailto:sales@fehrcab.com) [www.fehrcab.com](http://www.fehrcab.com)



## NEW CAB INTERIORS



JD 55/60 Srs on Plastic

- Quiets Cab
- More Comfortable Cab Environment
- Restores Original Insulation Qualities
- Increases Resale Value
- 750+ Models Available
- New Model Interior Kits Available
- Door/Window Seal Kits Available

### NOW AVAILABLE: Panels on Plastic “Anyone-Can-Install”

#### Precision Cut Interior Kits:

#### Pre-formed Acoustical Parts:

AC 7000 Srs. Black Belly .....	\$255	CIH 7110-8950 Headliner .....	\$195
AC 8000 Srs. Lower Kit .....	\$215	CIH 7110-8950 Post Kit .....	\$168
Gleaner Combine Kit .....	\$166	IH 86/88 Pre-Formed Hdlr .....	\$252
Ford Srs 1 Lower Kit .....	\$205-\$225	JD 30-60 Srs. Lower .....	\$245
IH 86-88 Srs. Lower Kit .....	\$121-\$136	JD 30-60 Srs. Headliner .....	\$228
IH 86/88 Headliner Kit .....	\$138	JD 30-60 Srs. Cowl Unit .....	\$139
IH 1420 Combine Kit .....	\$162	JD 7000 Srs. Headliner .....	\$212
CIH 1620 Combine Kit .....	\$228	JD 8000 Srs. Lower Kit .....	\$458
CIH 7110-8950 Lower Kit .....	\$186-\$295	JD 9400-9650 Headliner .....	\$502
CIH 9110-9390 Kit (no posts) .....	\$224-\$267	JD 6620-8820 Headliner .....	\$209
Case 70 Srs 2wd .....	\$240	Versatile Srs. 4 Headliner .....	\$285
Case 90/94 Srs 2wd .....	\$234-\$245		
<b>Pre-Cut Floor Mats:</b>			
JD 30 Srs 2wd Lower Kit .....	\$144	AC 7000 Srs .....	\$101
JD 40,50,55,60 2wd Lower .....	\$175	CIH Maxum .....	\$190
JD 4400 Combine Kit .....	\$171	CIH Magnum Front Mat .....	\$96
JD 6600,7700 Combine .....	\$184	Gleaner Combine .....	\$102
JD 6620-8820 Combine Lwr. ....	\$96	IH 1420-1480 .....	\$67
Steiger ST/PT Kit .....	\$252	IH 86/88 2wd .....	\$72
Versatile Srs 3 Kit .....	\$425	JD 30 Srs. 2wd .....	\$82
White Srs 3 Lower Kit .....	\$385	Versatile Srs. 3 .....	\$137

View our Website or Call for a Complete Product List

**FehrCab**  
**Interiors Co.**  
[www.fehrcab.com](http://www.fehrcab.com)



**Quality Guaranteed!**  
10116 N. 1900 E. Rd.  
Fairbury, IL 61739  
(815) 692-3355



# Phase-A-Matic, Inc.

## Rotary Phase Converters

### 3 Phase Power Anywhere!

**P**hase converters are used when three-phase lines are not available or are cost prohibitive. The phase converter will run virtually any 3-phase machine at any single-phase location.



#### APPLICATIONS

**Phase-A-Matic, Inc. Rotary Phase Converters** provide the power necessary to run all load types - including CNC/PLC, transmitters, lasers, welders, battery chargers, heating elements, etc. Whatever the load type - motor, resistive, induction, or transformer load - our Rotary Converter will power it. Phase-A-Matic, Inc. has been providing phase conversion for the home shop machinist, the industrial machinist, the farmer in agricultural use, for food processing equipment, the woodworking industry, the metalworking industry, medical equipment, elevators, etc. The Rotary Converter is designed to operate as modules with the ability to be connected in parallel to produce any required output, no matter how large. With fuel prices skyrocketing, diesel generators are now being replaced by Phase-A-Matic, Inc. Rotary Phase Converters. Bring your request to us and we will supply the right conversion for your application.

#### TRANSFORMERS

Phase-A-Matic, Inc. also has available all sizes of transformers: single-phase and three-phase 50/60 Hz, all voltages, step-up and step-down, including custom made for special applications.

#### ABOUT US

Product lines began in 1965 with the well-known **STATIC CONVERTER**, the workhorse for tens of thousands of regular shop machines, such as mills, lathes, etc. The **ROTARY CONVERTER FULL POWER** line is a true phase converter jointly developed with Baldor Electric and built to our

stringent specifications for high performance and proven long-term dependability. It is the quietest rotary converter on the market, and the best quality available anywhere. It meets your concerns in delivering the critical uptime and reliability that your business requires.

#### COMPANY REPUTATION & BENEFITS

Professional, available technical support for proper sizing and installation, consistent product reliability and immediate delivery from stock for most items are core components of the strength of the company and its esteemed reputation.

**Phase-A-Matic, Inc.** phase converters individually range from 1/3 to 100 HP. Greater HP is achieved by adding Rotary Converters in parallel for the combined output needed. We have the right converter to meet your needs in delivering economical, reliable and true 3-phase power of the highest quality, thus providing the dependability and uptime you must have.

Phase-A-Matic, Inc. [www.phase-a-matic.com](http://www.phase-a-matic.com)



## PHASE CONVERTERS

Made  
in USA

**PHASE-A-MATIC**

Since  
1965

**NEED 3-PHASE POWER AT YOUR RANCH?**  
Phase-A-Matic has the right converter.

#### RUN YOUR 3-phase:

Water Pumps/  
Irrigation  
Center Pivot  
Grain Dryers  
Welders  
Compressors  
Dairy Equipment  
Metalworking Equip.  
Woodworking Equip.  
Leather Working Equip.



**ROTARY CONVERTER**  
FULL Horsepower - True 3-phase

Run virtually any three-phase machine at  
any single-phase location. Call or go online:

**800-962-6976 [www.phase-a-matic.com](http://www.phase-a-matic.com)**

# Ubly Bean Knife and Ubly Peanut Digger Blades Give You the Advant-EDGE!

**H**undreds of hard edible bean farmers have been taking advantage of the Ubly bean knife for over sixty years.

## **Attention bean, seed and organic farmers**

While maintaining the highest standard of quality, Ubly bean knives are still the best way to cut the tap roots and get a higher quality bean while producing fluffier windrows, reducing labor, reducing stones and dirt in windrows, and aiding in your combine's overall performance.

There has been some speculation about the acceptability of the direct harvest system due to the high losses of beans, therefore keep using the Ubly Bean Knife for the best possible cut and quality for your money. Do what hundreds have already done. Make Ubly Your Advant-EDGE.

## **Peanut farmers rejoice!**

Ubly Peanut Digger Blade Manufacturing, Inc., a subsidiary of Ubly Bean Knife Mfg., Inc., received a patent for the Ubly Lifting Fingers, stainless steel lifting fingers that are flat and curved upward to better guide peanuts up on to the top of the elevator during the digging process.

Used with their patented Ubly Digger blades, which have a thin, hard-faced edge to stay sharp and always cut the tap root, the lifting fingers and the smaller diameter Ubly 6-inch Bottom Elevator Idler Wheels raise the peanuts without turbulence and in a smooth, uniform ribbon to the top of the elevator.

For more information, please call 1-888-723-3244 or visit our website at [www.ublybean.com](http://www.ublybean.com)



## Aeroswint Trailers Leading the Way for Over 20 Years

**A**eroswint LLC has been a leader in heavy built agriculture products since we opened our doors in 1991. Our chain trailers that we introduced in 2003 continued on with the Aeroswint tradition of being rugged and reliable when it matters the most.

All of our chain trailers come standard with 50,000 lb. air ride suspensions, ½" UMHW plastic floors and WH78B floor chains - all of which are recognized as some of the heaviest in the industry.

So if you get the chance, check out the Aeroswint line of products on our website at [www.aeroswint.net](http://www.aeroswint.net) (or call 1-888-883-3269). We look forward to welcoming you into our family.



## Doda USA, Inc.

**D**ODA ME / Electric motor pumps are ideal for hog, dairy, or beef reception pits, water, sewage, syrup – the list goes on! Pumps can be used to agitate, transfer or to fill hauling units. Parts in stock in our USA facility to build pumps in various lengths from 4'-20', additional lengths available upon request. Pumps can be run with motors from 5hp – 50hp 3phase or single phase. c-face electric motors eliminates belt & pulley problems. Hot dipped galvanized is standard – stainless steel components are available upon request. Cast iron impeller housing with venturi design & adjustable pressure plate creates high pressure to move the slurry as far or fast as you need.

Our patented chopping system can handle slurries with

higher concentration of bedding & solids. Rotating cutter blade & counter blades are made of hardened steel alloy to chop harder & longer without needing to be replaced. Agitation nozzle has a 320 degree horizontal & 90 degree vertical range of motion. Additional gearbox with prop can be added for additional agitation.

Pumps can be mounted & secured in several different ways with wall/floor mount bracket or on a 2 wheel trailer which allows easy movement between different pit access holes.

For more information, visit [www.dodausa.com](http://www.dodausa.com)





NOTICE **BEAN GROWERS** NOTICE

GET YOUR

**Advant-EDGE**

WHEN YOU USE

**UBLY BEAN KNIVES**



(A) CROSS SECTION  
HARDFACING ABOUT .05" THICK  
AND MIRROR SMOOTH  
CUTTING EDGE — HEAT TREATED, ALLOY  
WEAR RESISTANT STEEL  
1/8" X 1-1/2" X 46" OR 58"

(A) CROSS SECTION OF  
"UBLY BEAN KNIFE" GROUND LEVEL

THIS BEAN PLANT  
AS IT IS CUT WITH THE  
"UBLY BEAN  
CUTTER KNIVES"

GROUND  
LEVEL

- \* Get complete tap root cut
- \* Get extra long wear with self sharpening knives
- \* Get better quality beans with reduced tare
- \* Get fluffier windrows for better drying and slower cylinder speed
- \* Get a profit by faster cutting, reduced bean shelling loss, higher points due to less cracking, dents, splits

Nearly every style in stock. Custom knives available. **CALL:** Toll free  
**888-723-3244 UBLY BEAN KNIFE MFG., INC.**  
1388 Hill Rd. \* Manistee, MI 49660 \* Visit [www.ublybean.com](http://www.ublybean.com)

**We Build The Hardest Working Trailers On The Market...**



**THE TRUCK BED**  
... We also build truck beds with design and construction recognized as the "Premier Bed" to this day.  
Available 16'-26'



**THE END DUMP**  
... Addressing end dump safety issues, with 45° angles where the floor joins the sides and in the front corners. Also, there is no place for a load to "hang-up". The load comes out smooth.  
Available 30'-33'



**THE AERCHAIN**  
... A trailer that hauls more, weighs less, and pulls easier than anything in its class.  
28'-42"x99" Inside Width, 86" Inside Height



**STEEL MAX TRAILER**  
... Already recognized as the "Best Built" Chain Trailer on the market.  
28'-42"x96" Inside Width




**"A LEADER IN THE INDUSTRY"**  
South of hwy. 4 • Box 116 • Utica, KS 67584  
Visit Us At [www.aerowin.net](http://www.aerowin.net)  
**888-883-3269**

**...And You Need A Trailer That Works Harder Than You Do.**

**AGRICULTURAL CONTAINMENT SOLUTIONS**



**BTL protects the world's breadbasket**



541.447.0712 [www.btl liners.com](http://www.btl liners.com) 800.280.0712

**BTL**

STRENGTH • COMMITMENT • GUARANTEED CONTAINMENT

**SPECIALIZED EQUIPMENT FOR THE SEPARATION, MIXING, AND PUMPING OF LIVESTOCK MANURE.**



Chopper Pumps



Separators



AFI Pumps



Moved Mixers

Top Quality - Great Reliability - High Durability - Affordable Price

**507-375-5577 [www.dodausa.com](http://www.dodausa.com)**

255 16th Street South  
St. James, MN 56081

**DODD**  
USA Inc.

# Keep your farm shop clean!

The Industrial Maid T 3000 series air cleaners have been used in hundreds of farm shops, implement repair and diesel repair shops to control welding smoke and fumes, grinding dust, nuisance dusts and diesel smoke.



This simple, yet effective air filtration system can be chain hung and uses two stages of filtration to separate dust,

fumes and particles. You do not have to exhaust air, so your heat remains inside. The Merv 8 (45%) pleated pre-filters take out the larger particles and then the multi-pocket Merv 15 (95%) main bag filters take out the very fine particles. The units are built in SE Nebraska, have a three year warranty and Industrial Maid offers an unconditional performance guarantee.



Keep your farm shop clean and safe. Protect the large investment you have made in the structure and your farm equipment.

#### Product Specifications:

- CFM: 3,000
- Motor: ¾ HP 115/230/1/60
- Blower: 10 x 10 forward curved blower direct drive
- Dimensions: 25" H x 72" L x 25" D
- Weight: 170 lbs
- Filters: (2) 4" pleated prefilters Merv 8 (2) Merv 15 bag filters

For more information, contact Industrial Maid at 1-877-624-3247, or email Brian Dein at [bdein@industrial-maid.com](mailto:bdein@industrial-maid.com)



## Cross Manufacturing CROSS PDH Position Cylinder

The 3000 psi PDH position cylinder is available in 2.5 to 5 inch bore. All sensor components (except electrical connector) are imbedded internally within the cylinder for superior durability and long field life. The internal electronic feedback senses cylinder rod position and provides

output (analog or digital) to allow constant monitoring of the cylinder rod position. Sensor voltage supply: 12/24 VDC. Applications include: steering control, levelling jacks, paver height, snow plow blade control, trash truck automation, etc. For more information, visit: [www.crossmfg.com](http://www.crossmfg.com)



## FARM FOR UNDER 3%!

Bargain interest rates may be the optimistic news for farmers this year, as both long and short term rates remain at historic lows. But while many lenders cling to old Prime Plus formulas for establishing loan rates, others prove they can do better.

"Farmers can borrow substantially under 3%, and close to half of what Prime plus 1% formulas are," according to AGRIfinancial Services, a nationwide lender focusing exclusively on farm lending. Headquartered in Louisville, KY, the company provides an alterna-

tive way to borrowing for operating needs, as well as long term fixed rate mortgages.

"It's like a home equity loan, but for farmers," they say. AGRIfinancial Services works with California and western producers in all lines of the industry. Instead of crops or machinery for collateral, farmers use their real estate to back the loan. The resulting benefits pay off with customers.

Not only is the loan rate very low, but the product also offers a 10-year commitment where producers do not have to come in every year, or 3 years

to renew the line. Additionally, the loan can be used for farm and business needs – not strictly operating expenses. The loan is priced based on a variable, LIBOR-indexed rate, but farmers can also choose to lock pieces of their debt to a fixed rate if they desire, he explained. All is done inside the loan, without the need for refinancing.

It's quite an amazing loan product and an example of what nontraditional lenders like AFS have been bringing to the market. The company is owned by CGB Enterprises, a major buyer and shipper of farm commodities.





## Specify CROSS Fluid Power...



**CROSS**

RELIEFS, SELECTORS  
and DIRECTIONAL  
CONTROL VALVES

GEAR PUMPS  
and MOTORS

TIE ROD and  
WELDED  
CYLINDERS

- Since 1949.
- Personal commitment to continuous improvement.
- Quality and customer satisfaction.
- The best product at the right cost.

Call, fax or e-mail today for complete information.

**CROSS** ISO 9001 CERTIFIED

**PROVEN  
PERFORMERS**

*Made in America... Serving the World*


Cross Manufacturing, Inc. • 100 James H. Cross Blvd. • Lewis, KS 67552  
www.crossmfg.com • 620.324.5525 • Fax 620.324.5737 • info@crossmfg.com

## AGRIfinancial Services

A Division of **CGE** Enterprises, Inc.

### LOW-COST FARM LOANS AND LEASES

- Long term, fixed rate mortgages
- Lines of credit for under 3%
- Leases for barns, bins, irrigation, that save on taxes



Call Toll Free: 877-548-2622  
www.CGB-AFS.com

# Breathe Easy...

## Keep your farm shop clean

Simple to install and offers years of trouble-free service.  
The Industrial Maid T3000 is a cost-effective way to keep your farm shop clean.

Proven Performance & Guaranteed Satisfaction

- 3000 CFM
- 115 V/I Phase with 12 ft. cord
- High/Low/Off switch
- 170 lbs – 25"x25"x72" long
- 3/4 HP direct-drive motor blower

**T3000 SPECIAL**  
**\$1,699** FREE SHIPPING  
Ask for a Free Case of Pre-filters with code: WFRD2016



**IM INDUSTRIAL MAID**  
AIR FILTRATION AND VENTILATION PRODUCTS

(877) 624-3247  
www.industrial-maid.com  
bdein@industrial-maid.com  
351 S. 12TH Road  
Cortland, NE 68331

## RanchWorx®

### Built for Results - Overbuilt to Last

**A**round the world, our dependency on forage crops and food grains are ever growing as we continually try to accomplish more production on less land. This is especially true to dependency for the demand in production of numbers with the world food market. When utilizing the remaining precious acres of farmland, producers have used soil aerators as a way to achieve soil sustainability and found that it is the best input dollar spent for long term soil health and profit in a forage crop.

When someone pictures an Aerator, the view of a residential yard with thousands of small cylindrical discarded soil probes sitting on top of the turf can come to mind. An Aerator designed for agriculture is actually quite different. The reason they are so different, is that an agricultural aerator such as the RanchWorx Series Aerator does more than just aerate the surface soil and rhizome layer, they create large and very deep fractures into multiple soil horizons. These deep fractures are what separate a capable agricultural aerator from an aerator designed for turf applications. Unlike the RanchWorx Series Aerators, most of the competition have taken the theory from aerating residential turf to the agricultural market. Over 40 Years ago RanchWorx took a different approach to the spike or tine-style aerators with a focused design to not only create a massive series of fractures, but create these fractures deeper into soil multiple soil horizons, and in a durable manor to perform in any soil type.

Why is durability such an important part of Aeration? Durability is what enables a RanchWorx Aerator to penetrate the hardest soils on earth, crush and bounce over rocks, and be a machine that is commercially rated for brush clearing. In agriculture, implements need to hold up to a large variety of situations as mother-nature is the one calling the shots. When it comes time to aerate, being able to finish the fields with zero down time is the goal, while moving at higher rates of speed. Down time during an aerating window can be a detriment to the season's profitability.

"Here at Sade Farms, we have used a variety of implements designed to help rejuvenate our hay fields and keep them in production. The cost to tear up our fields and rotate them to crop, and then back to hay or pasture is not a profitable option for us, we needed to keep our grass in production longer, and therefore started to see production losses due to Hard Pan. At that point we tested a RanchWorx single drum aerator and have seen an eliminated hard pan and significant

water retention and drought resistance. Production gains paid for the cost of the aerator in the first three years."

Many producers have seen the value in soil Aeration due to less dependency on fertilizers and irrigation costs. If aerating soil with an adequate aerator, this will retain more moisture and promote the natural movement of nutrients through the nutrient cycle.

Water retention will be improved with deep soil fractures created by an aerator, as moisture will always follow the path of least resistance. If these deep fractures are in place, water will travel vertically into the soil structure to where it can be stored and utilized by the plants. Roots will be encouraged to grow deeper to reach water, which will aid in plant density and height contributing to increased yields. The deeper that water is stored in the soil, the less susceptible it is to evaporation caused by atmospheric conditions. Water that is stored near or on the surface of compacted soils is the first level of moisture lost in the event of drought conditions. The longer the crop goes without moisture, the sooner it will go to seed and die off leading to less production weight. Aerated ground is more tolerable to drought and will have less wasted areas of standing water as the field will be absorbing any moisture that falls; not just what can be absorbed in the top few inches.

Erosion is a scary term when considering the sustainability of our fertile soils. As no-till farming practices become mainstream, compaction related soil problems are raising. Fields facing Hard Pan (be consistent with upper or lower case) and compaction issues will see a higher loss of top soil erosion due to water running horizontally across the surface and taking viable nutrients and organic matter with it to nearby ditches and low lying areas. Wind erosion will also be prevalent as root structures will not be as deep in the soil and offer less stability to the soil. This is especially noticeable in times following harvest, during dormant seasons, and in times of over-grazing.

Vertical Tillage Equipment has been around for numerous generations; nonetheless Aerators have become very popular throughout the years as an efficient way to retain more moisture, alleviate compaction, and stimulate plant growth. With the correct Aerator for the application, soil health will be improved and production will be increased without question. Most RanchWorx Customers are happy to share their testament regarding their experience with anyone whom may be interested in testing out aerating.







Wheatheart offers a complete line of **Heavy Duty & Hard Hitting** fencing equipment designed to make fencing jobs safer, faster and more efficient. Wheatheart post pounders include conveniently located joystick controls and four way tilt mast with a post hugger. Drive wood or steel posts up to 12" in diameter.



1-800-446-0316  
www.norwoodsales.com



Wheatheart's SA series of swing-away, portable grain augers combine high performance and quality with the convenience of a low profile swing hopper and hydraulic scissor lift.



www.wheatheart.com

# ROUGH DRIVEWAY???

## Try Our One-of-a-Kind Laneway Grader!

### Stop bumping around and get the Laneway Grader!

- Three blades will smooth out all the bumps (most in just one pass).
- No three-point hitch hookups. Just drop a pin, hook up hydraulic hoses and go.
- On the go adjustable roll for ease of operation..
- Adjustable pitch to keep the edge of the driveway neat.
- Heavy built for both strength and weight to smooth your laneway.



## CROP DIVIDERS SAVE CROPS!

- Quick attach.
- Adjustable height/can be lifted to drive on trailer.
- Narrow front to cut through crop.
- 12" rubber to prevent damage from driving through tile holes.
- Replaceable tin.
- Can be made to fit any sprayer or tractor.
- Lightweight aluminum.



**866-592-3806** [www.hflfabricating.com](http://www.hflfabricating.com) [rick@hflfabricating.com](mailto:rick@hflfabricating.com)

Dealer Inquires Welcome!

# A1 Mist Sprayers

## Innovation, Ingenuity, Integrity

**A**1 Mist Mist Sprayers Resources, Inc. of Ponca, NE manufactures the preferred spraying equipment for livestock insect control in cow/calf, dairy, and beef feedlots. The application of insecticides and herbicides in pastures/rangelands, fencerows, roadside ditches, and brush and broad spectrum weed control is also made easier and simpler with the use of an A1 Mist Sprayer.

A1 Mist Sprayers offers a complete line of High Performance, Heavy Duty 3-Point PTO Driven, and Engine Driven mist sprayers. These machines are useful in flatbeds, pickups, trailers, utility vehicles, and ATV's. These units have the capability to uniformly spray up to 140 feet horizontally and 95 feet vertically.

A1 Mist Sprayers use an environmentally friendly application method over boom sprayers, floaters, and hand wand sprayers. Using less water and chemical to accomplish the same goals. These mist sprayers employ a dilute spraying application method...water is used as a dilution only and air is applied to deliver the water and chemical to the target. Spray droplets are injected into an air stream that shears them into uniform micron sizes. From here they are forced through an air vortex created by the fan housing volute attachment that forces the miniscule drops to swirl over, under, and around

the foliage, animals, or fixed objects. Mist sprayers were specifically designed to deposit droplets on the underside of the leaf. Mist sprayers are also the only spraying method that allows you to work with the wind thus increasing efficiency of the application, making the mist sprayers the preferred and most reasonable way to spray herbicides, insecticides, and fertilizers, on your property. The 140 foot spraying range allows you to spray pasture, range land, creek banks, levees, ditches, deep valleys, steep terrain, and hard to reach rocky areas while using 1/10th the water and significantly less chemical.



## A1 Mist Sprayers

Innovation Ingenuity Integrity

### GREAT FOR SPRAYING:

- Feedlots & Cow/Calf
- Dairy Confinements
- Swine & Poultry
- Road Ditches
- Fence Rows
- Pastures
- Trees
- Flies
- Grasshoppers
- Sanitation Purposes
- Mosquitoes (West Nile, Zika)

Endorsed by 2  
Entomologists &  
A Parasitologist!

**For More Information**  
**Call Us Toll Free**  
**(877)-924-2474**  
**Or Visit Us Online**  
[www.mistsprayers.com](http://www.mistsprayers.com)

A mist sprayer is a sound INVESTMENT if your goal is healthy grass for your pasture, range, road ditches, livestock production, erosion control, or insect control.

**A1 Mist Sprayers is the only mist sprayer business company specializing in livestock spraying.** Customers say that is their preferred insecticide sprayer for controlling horn flies, face flies, stable flies, and house flies. However, a mist sprayer is also beneficial when controlling house flies, gnats, mosquitoes, ticks, and other biting insects found on or near livestock confinements, feedlots, lagoons, levees, pastures, and around buildings.

Benefits of an A1 Mist Sprayer

- Use less chemical (up to 50%)
- Use less water (up to 1/10th)
- Boomless
- Spraying range of 10 to 140 feet
- Environmentally friendlier
- Safe, farmer tough, user friendly
- Effective and economical to use
- Out performs boom and aerial spray applicators
- Spray uses: fence rows, road ditches, grasslands, trees, water ways, ponds, lakes, vineyards, orchards, and vine crops
- Livestock spraying, fly control, insect control and the list is continually growing...

For more information visit [www.mistsprayers.com](http://www.mistsprayers.com) or call Toll-Free 877-924-2474



# Tebben Enterprises – 50 Years of Helping Farmers

In 1964, John Tebben saw the need for a better row crop cultivator and began designing. That was the birth of Tebben Manufacturing. He started with a cultivator along with rolling, tunnel and open top shields




John's next step in helping farmers produce was to design a fall tillage machine used to break up hardened and compacted soil – the deep till. Tebben Manufacturing's deep till utilizes

an automatic reset shank assembly that trips over rocks and other obstacles without the need to replace broken shear bolts. In 1975, the first Tebben Deep Till rolled off the assembly line, and to this day many of the original-design units are still in use.

In 1993 John's son, Michael, formed Tebben Enterprises Inc., keeping the family owned business just that – a family owned business.

Throughout the 50-year history of Tebben Enterprises, they have been committed to building quality products and adding to their line of products that continue to help the farmers. Tebben Enterprises now also offers a full line of 3-point rotary cutters along with other 3-point and skid loader attachments. Their most recent product offering is the Tebben Land Roller. This implement levels a field after planting by pushing rocks and root balls into the ground allowing for increased harvesting efficiency. The Tebben Land Rollers are available from 7 feet through 21 feet in single section widths. Their 3-section folding land rollers are available from 31 feet through 62 feet.

For more information on Tebben Enterprises and how they can help you, call (320) 847-2200 or visit their website at [www.tebben.us](http://www.tebben.us). And if you happen to be in the area, you are welcome to stop by for a visit at 10009 Highway 7 SE, Clara City, MN 56222. They'll be happy to show you around. 

			
<p><b>LAND ROLLER</b></p> <p><i>Models Available In:</i> 7', 15', 17', 31', 33', 41', 42', 45', 52', 62'</p> <ul style="list-style-type: none"> <li>▼ The Tebben Land Roller Levels Fields By Pushing Rocks, Root Balls, and Residue Evenly Across The Surface For Harvesting Efficiency Resulting In Higher Yields.</li> <li>▼ 42" Diameter Drum</li> <li>▼ Rear Wheel Hydraulic Steering</li> <li>▼ Optional Hydraulic Floating Hitch Available</li> </ul>	<p><b>DEEP TILL</b></p> <p><i>Models Available In Widths From:</i> 7'-6" To 27'-6" On 15", 24", Or 30" Spacing</p> <ul style="list-style-type: none"> <li>▼ Automatic Reset Beams</li> <li>▼ 30" Under Frame Clearance</li> <li>▼ 3 Point And Pull Type Models</li> <li>▼ Optional Leveling And Shovel Attachments Available</li> </ul> 	<p><b>ROTARY CUTTER</b></p> <p><i>15 Models Available:</i> In Three Point &amp; Skid Steer Mount From 40"-120" Widths</p> <ul style="list-style-type: none"> <li>▼ 10GA Formed &amp; Welded Deck</li> <li>▼ 3/16" &amp; 1/4" Sides And Deck Support</li> <li>▼ Slip Clutch Standard On HD Models, Available For Others</li> <li>▼ Chain Guards Available</li> </ul> 	<p><b>TREE &amp; STUMP SAW</b></p> <p><i>Available In Skid Steer Or Three Point Mount (Cat I, II, &amp; III)</i></p> <ul style="list-style-type: none"> <li>▼ 75HP Gearbox Rated For 30-120 HP Tractor</li> <li>▼ 3/4" Thick By 40" Diameter Blade With 12 Replaceable Carbide Teeth</li> <li>▼ Optional Heavy Grapple Directs Falling Trees And Is Used To Pick Up And Move Downed Trees</li> <li>▼ 15" Cutting Depth</li> </ul>
 <p>Tebben Enterprises - 10009 Highway 7 SE - Clara City, Minnesota 56222</p>			<p><b>(320)847-2200</b> <b><a href="http://www.tebben.us">www.tebben.us</a></b></p>

# Look Ma – No Wires!

## Wireless Grain

## Temperature Monitoring

**T**echnology abounds in agriculture today – variable rate fertilizer applications, auto steering, precision planting, GPS spraying and harvesting to name a few. Managing your stored grain now offers some exciting new technology as well.

A producer can monitor stored grain without leaving the house or from any location that has Internet service. Tri-States Grain Conditioning, Inc., headquartered in Spirit Lake, Iowa, now offers two wireless systems that can make monitoring stored grain easier and faster than getting that second cup of coffee. Using TSGC temperature cables to give a complete temperature profile of their bins, producers will be able to monitor their grain more efficiently and with greater accuracy than ever before.

The SafeTrack Wireless Grain Temperature Monitoring System can be programmed to automatically take temperatures and save them for later viewing. Grain depth, approximate bushels and automated exhaust fan operation functions are

also available. Grain temperature history reports are also available to be printed out. Each individual bin can be set to specialized temperature parameters to accommodate various crops. Instead of taking **2 to 3** hours for a large operation, reading temperatures can now be done in **minutes!**

This wireless system utilizes line of sight (up to 1 mile) radio communication between the bins and the base transmitter to monitor temperatures from TSGC temperature cables (as well as grain depth). It requires power at the transmitter location on the bin, and may be run either manually or automatically, locally or over the network/Internet, for anytime, anywhere monitoring.

Another option is the GrainTRAC remote bin monitoring system. This system utilizes a cell phone modem to transfer data from the TSGC temperature cables to an internet website, [www.wagnet.net](http://www.wagnet.net). The producer is given a user name and a password to ensure privacy. Once logged onto the website, the producer can view a graphical display of his temperatures or a numerical display. Temperature parameters (minimum and maximum) can be set for each bin, as well as rate of rise temperature over a designated time period. Temperature history reports are available for print out. Options include remote fan start/stop and a weather station with features such as temperature, relative humidity, wind speed and rain measurement. Alerts are sent via email or text message.

The requirements for the GrainTRAC system include temperature cables, cell phone coverage at the bin site and electrical power. An annual access fee to the internet website is charged (a low per year minimum). Convenience is the selling point of this system because a producer can monitor his grain temperatures from anywhere via the Internet.

Either of these wireless systems will save you time and money, while providing peace of mind about the true condition of your grain. Knowing your grain temperatures, while watching for changes, is the only safe way to monitor the condition of your grain.

TSGC, Inc. is one of the largest suppliers of grain temperature monitoring equipment in the world. Headquartered in America's Heartland, our administration, fabricating, sales and service divisions are located in Spirit Lake, Iowa. We have an extensive network of contractors representing our products and services nationwide and in over forty countries. **TSGC, Inc. is dedicated to serving you.** For more information or a free, no obligation quote, contact Tri-States Grain Conditioning, Inc. at 800.438.8367, [Tsgc@TsgcInc.com](mailto:Tsgc@TsgcInc.com) or [www.TsgcInc.com](http://www.TsgcInc.com)



### *Got Grain?*



*Portable, Computerized & Wireless  
Grain Monitoring Systems*

**For a FREE quote call 800-438-8367**

**Tri-States Grain Conditioning, Inc.**

**- Grain Storage Made Better -**

Spirit Lake, Iowa    [www.TSGCinc.com](http://www.TSGCinc.com)



# Nebraska Harvest Center

## Your CLAAS dealer for Nebraska and Eastern Kansas.

Nebraska Harvest Center is your CLAAS dealer for Nebraska and Eastern Kansas. Our first location in Seward, Nebraska was opened in 2010 to provide a local facility for sales, service, and support of CLAAS customers and CLAAS equipment. We have since expanded to Ogallala, Kearney, and Wayne, with a parts depot located in Albion.

Nebraska Harvest Center's ability to provide used sales throughout the United States creates an opportunity for customers to find the most reliable used CLAAS equipment available. The CLAAS Field Ready Reconditioned program assists us in doing just that, designed to give you "peace of mind" when you purchase your next used combine. LEXION Field Ready Reconditioned combines not only go through a rigorous 250 point inspection, they are backed by a 75-hour service agreement and accompanied by a special care package that will make your used combine feel a little bit newer. \*

We understand that farming is not a 9 to 5 job and Nebras-

ka Harvest Center makes sure there is always someone to answer the phone when you need service or parts support for your equipment. Our service technicians are trained specifically for CLAAS equipment and are available to answer your questions and provide the precise service you need. Our parts staff will be sure to expedite the delivery of the parts you need straight to the farm. Also available is the On Your Farm Parts Box program because wouldn't you rather have on hand the parts you need when you need them?

Let Nebraska Harvest Center show you the CLAAS equipment line, including the LEXION combine, JAGUAR forage harvester, and Xerion tractor. The CLAAS line of forage equipment including DISCO disc mowers/conditioners, LINER rakes and VOLTO tedders deliver top performance and long lasting quality. We are sure to have the equipment to fit your farm. For more information visit [www.NEBHARV.com](http://www.NEBHARV.com) or call 855-632-4278.

\*Ask about specific details.

## Nebraska Harvest Center

## CLAAS

Kearney

Ogallala

Seward

Wayne

### 855-632-4278

### [www.NEBHARV.com](http://www.NEBHARV.com)

*Your used combine, forage and hay equipment dealer.*



2007 Case IH Magnum 275  
\$120,000



2012 Case IH 7230  
\$255,000



2012 John Deere 7950  
\$170,000



2013 CLAAS Lexion 750TT  
\$284,900

# Walinga Bulk Feed Bodies & Grain-Vacs

From concept, design and through production, Walinga meets the customer's needs at every step. Creating outstanding products that are innovative and durable, with some client's vehicles being passed from generation to generation.

Walinga is a leading North American manufacturer of transportation equipment and portable pneumatic conveying systems for grain, feed, seed... virtually any dry bulk material. Walinga is still a

family owned and operated company. The total commitment to quality is not only our inheritance - it's our foundation for the future.

Walinga products represent the best in manufacturing excellence. Our in-house engineering and design teams utilize the most current computer technology available. State of the art equipment, combined with over 60 years of experience, ensures that our customers receive unsurpassed quality.

Comprehensive engineering capabilities allow us to offer sizes, capacities, features and options that are specifically job-matched according to individual requirements. The services of our Engineering Department are available to our customers to assist in the selection of the properly specified chassis. Every Walinga vehicle is designed and produced to best fulfill its designated function.

Custom-built aluminum feed bodies and trailers, pneumatic conveying systems, recycling trucks and bodies, aluminum and steel dump bodies... each built according to exact standards. Every stage of the manufacturing process from design to completion is performed by Walinga. The result - a cost effective, durable product line that responds to any challenge with premium.

## Walinga Agri-Vac

The only system you'll ever need. Gives one-person total grain-handling capability! Do it all with the Walinga Agri-Vac. Fill or empty storage facility being used. The Walinga Agri-Vac puts an end to legs, augers, sweeps and shovels. Grain handling has never been simpler, safer or healthier.

Just couple the Agri-Vac to your tractor and drive into position. Lightweight vacuum/pressure hoses attach in seconds and flex easily. Suddenly even tight spots and awkward angles are no problem!

## Bulk Feed Trailers and Bodies

Walinga Inc. has been manufacturing bulk feed transportation equipment for more than 60 years. In this time we have become committed to an ongoing program of research and development. In response to the increasingly diverse needs of our customers Walinga is and will continue to be on the forefront of technological evolution.

The options and features of the Walinga Bulk Feed Delivery Units are numerous. Walinga Bulk Feed Delivery Units can help you in your quest to increase production, performance, and efficiency.

## Emerson Manufacturing Corporation 100% Built in the USA!



Emerson Manufacturing Corporation is a family owned and operated company that has been building and marketing professional truck shop service equipment for over 50 years.

We offer the highest level of service and a strong commitment to 100% satisfaction. We manufacture every product to the highest possible standards.

From Axle Jacks to Wedge Locks, we have it all. From assembly and production to repairs and new parts, one call to us at 1-800-633-5124 will get you what you need. Proud to be American Built!







**EMERSON MANUFACTURING**

**BUY FACTORY  
DIRECT!  
MADE IN THE USA!**

**WWW.EMERSONJACKS.COM**

**1-800-633-5124**



**AIR JACKS \* AIR HYDRAULIC JACKS \* AXLE JACKS  
WHEEL JACKS \* TRANNY JACKS \* CLUTCH JACKS  
RAMPS \* SAFETY STANDS \* CYLINDER LOCKS \* WEDGE LOCKS  
OIL AND ATF CADDYS AND MORE!**







Davey-Joan's Offers Irrigation Components By  
**BAUER ~ HOBBS ~ REINKE ~ OCMIS ~ ABI ~ JOHN DEERE**

### Irrigation Pipes



1/4 Mile  
 Pivot  
 1300  
 FEET  
 \$30,000



**EQUIPMENT  
 AVAILABLE  
 NATIONWIDE!**



**NEW AND USED IRRIGATION COMPONENTS**

**800.360.4991**

**813.760.2001**

**Dave @ DaveyJoans.net**

### HOSE REEL



5 in OD x 1475 Feet  
 All Hydraulic  
 \$47,900

### SOLID SET

- 540 pieces, 60 acres 3x30 Tico, 90x90 spacing brass, 70 new sprinklers, \$1200 per acre, will split up.
- 500 pieces, 20 acres Tico 2x30, 60x60 solid set brass sprinklers, \$1000 per acre.
- 500 3x30 Certenteed portable Skit 14070 Brass Webstermatic, \$1000 per acre.
- 50A 80A 1820 3x30 Drop Lock Aluminum 60x60 spacing 36" riser Webstermatic, \$200 per acre. Will divide up.
- We have brass model 30's rebuilt for \$15 each. \$10 1,000 quantity.

For the best selection in new and used irrigation pipe, hose reels, and pivots, call or email Dave today for product selection and availability of systems or components in YOUR area. Dave specializes in locating and supplying irrigation equipment for agricultural and industrial applications **CALL TODAY!**

**MUV-ALL Trailer Company | muvalltrailer.com | (888)515-1070**

## MUV-ALL LOWBED TRAILERS

For decades, the Muv-All name and the trailers built have held a position of respect, and served thousands of customers with equipment that is durable and will stand the test of time.

### 2017 MUV-ALL 5370HDG



New 53' Hydraulic Detach  
 With Aum Outriggers To 13'  
 Call For Pricing.

## Built Stronger To Last Longer

Muv-All offers a variety of lowbed trailers that are perfect for any application from agriculture to construction and rentals.

### 2015 MUV-ALL 5370HDG



53' Hydraulic Detach With Alum Pull-Outs To 12': Self  
 Contained Lift On 2nd Axle. .... \$74,500

### 2014 MUV-ALL 5350HDG



53' Trailer With Alum Outriggers To 12':  
 Self Contained Unit. .... \$61,000

### 2017 MUV-ALL 5370FTX



53' 35 Ton Folding Tail With  
 a 8' Hydraulic Gooseneck  
 Ramp, 12k Winch With  
 Wireless Remote.  
 Call For Pricing

320 West St. P.O. Box 296 • St. Martin, MN 56376

## JOIN THE FASTEST GROWING TRAILER BRAND IN THE NATION

- COMMERCIAL GRADE CONSTRUCTION
- NATIONAL DEALER NETWORK
- TONS OF STANDARD FEATURES
- ENDLESS AVAILABLE OPTIONS
- UNBEATABLE DURABILITY & QUALITY
- POWDERCOATED FINISH
- INDUSTRY BEST WARRANTY
- FREE ROADSIDE ASSISTANCE



loadtrail.com | 1-844-835-3355

## Load Trail Quality Trailers Since 1996

Load Trail LLC has been building quality trailers in beautiful Tigertown, TX since 1996. We build a variety of trailers including: dumps, carhaulers, equipment trailers, tilt decks, single axles, low-pro goose-necks and more. Recently Statistical Surveys, the leading



provider of market data solutions, announced that Load Trail Trailers Manufacturing has had the Largest Percent-age Market Share Increase for 2015 in All Trailer types nationwide for the second consecutive year. The Load Trail brand is proud and grateful for the recognition. As always, we strive to give you, our customer, a quality product you deserve. For more information about our products visit [www.loadtrail.com](http://www.loadtrail.com)

### FCS Manufacturing, Inc.

Farm and Commercial Storage

Formerly: **Machine Service, Inc.**



Overhead Bulk Bins

- Standard sizes 8-138 tons or 333-5250 bushels
- Industry leader in custom designed and built Overhead Bins

Smoothwall Hopper Bins

- Standards sizes from 500-5500 bushels
- No bolts, corrugations or inside ribbing. Fully welded, smoothwall tank



3430 EE Rd.  
Gridley, KS 66852

Bringing Your Ideas to Reality \*\*\* Keep it Clean, Keep it Flowing

620-427-4200  
michael@fcsmf.com

## FCS Manufacturing, Inc.

FCS Manufacturing, Inc. a steel fabrication business owned and operated by Jay and Jane Luthi, located in East-Central Kansas at Madison, is continuing to provide quality products for the ag industry. The venture into the overhead storage business began with a request and has continued to grow, building upon that same desire, "To meet the customer's needs".

FCS Manufacturing, Inc. sells a line of Overhead Bins with capacities ranging from 14-60 ton to 550-2200 bushels. The bins are designed for any dry, flowable material such as seed, feed, or range cubes; but also accommodates heavier weight materials such as fertilizer, mineral, sand, or cement. Features include: a ground operated top door, external as well as internal ladders, external ribs to prevent side bowing and to allow for interior freedom of material flow, 42 degree slope on top for complete fill and 48 degree slope on hopper for good clean out. All bins are prime coated inside, primed and painted white outside for years of neat appearance.

Some operators have the same requests, but many operations approach their grain and feed handling differently. Therefore bins are made when ordered to allow for customization. Any structure can be divided into 2, 3 or 4 compartments. The customer know his needs best and thus the options on each bin are open to the customer's request. For more information, call or write to FCS Manufacturing, Inc. at 3430 EE Road, Gridley, KS 66852, 620-427-4200.



# ANBO Manufacturing Announces New Rancher Series Grapples

**A**NBO Manufacturing, leading manufacturer of grapples and blade attachments for use in agriculture, forestry and construction has announced a new series of grapples designed specifically for the modern ranch and livestock farms.



Made of tough A-572 alloy steel, the Rancher Series grapples come in sizes from 69 inches to 94 inches and can be made to fit virtually any carrier. It features an extra wide 75-inch opening for picking up large round bales, square bales or large brush piles. The 8-inch tine spacing provides the ability to forward and back rake fine hay and debris into easily manageable piles of material that can be picked up and relocated.

Rancher Series grapples also feature serrated edges which provide an extra strong bite and hold on loads, preventing them from slipping. Complete with 3,000 psi heavy duty welded cylinders, the Rancher Series grapples have outstanding clamping power for secure loads.

Long-time rancher Gerald Scholz brags about his new ANBO Rancher Series Grapple.

"My family has owned property in Okanogan County for decades," Scholz says. "They've purchased numerous ranching products to toil, till, and transform the land – but never one that works this well!"

"The 8 inch spacing between the tines is perfect for picking up both small and large materials," Scholz said. "And, as another great feature, there are wedges on the front of the fork which will actually lift your dirt up, hold larger rocks tightly, then let the dirt fall out; it's like a sifting effect."

The Rancher Series grapple provides livestock professionals a hard working tool to reduce labor, increase efficiency and to simplify projects and chores. Great for maintaining fence rows, pulling fence posts, carrying fence posts, feeding livestock, placing heavy bales into feeders without damaging the feeders, picking large amounts of silage or manure and cleaning feedlots and pens.



## DO MORE, FASTER!





MADE IN AMERICA



SIZES FOR ALL MACHINES

866-684-3330

WWW.ANBOMANUFACTURING.COM

HANDLE ROCKS - GRAPPLE TREES - EXTRACT ROOTS - PUSH DIRT & SNOW

## Used Combine Parts

### Spallinger Combine Parts

2325 Twp Rd 28, Buffton, OH 45817

800-758-8333

[www.spallingercombine.com](http://www.spallingercombine.com)

Corn Heads – Grain Heads  
Over 3900 Combines Parted  
UPS Service

New John Deere & Case International Straw  
Choppers & Replacement Parts In Stock.

MFG by TSR

*Many New Parts & Bearings Available*



Used Parts! Used Parts! Used Parts!

# livestock

## Dr. Andy Schwartz Steps up as Texas State Veterinarian

The Texas Animal Health Commission (TAHC) is pleased to announce Dr. Andy Schwartz has been named Texas' state veterinarian and TAHC's executive director. The 13 governor-appointed TAHC commissioners, representing the public, livestock and poultry industries, announced the selection of Dr. Schwartz at the TAHC commission meeting on Tuesday, May 24.

"I am confident that Dr. Schwartz will provide excellent leadership as state veterinarian and TAHC executive director," said TAHC Chairman Coleman Locke. "Dr. Schwartz has served the agency since 1990, has a proven work ethic, and is highly respected by those in animal agriculture industries throughout Texas and the United States. We look forward to working with Dr. Schwartz in this capacity."

Dr. Schwartz grew up on a diverse family farm in Priddy, Texas, where

he got his start in animal agriculture. He received an undergraduate degree in Animal Agriculture from Tarleton State University before attending Texas A&M School of Veterinary Medicine where he received a Doctor of Veterinary Medicine degree.

He began his professional career in a mixed animal practice that included beef and dairy cattle, horses, swine, and sheep. This experience proved quite valuable as he began his career at TAHC, working his way up. He started as a field veterinarian, was promoted to Region Director, then to State Epidemiologist/Assistant Executive Director, and his most recent promotion to the agency's top job - Executive Director/State Veterinarian.

"Dr. Schwartz is nationally recognized among regulatory veterinarians and policy makers, and has worked closely with state health officials in the US and other countries on diseases affecting livestock and

poultry. He is frequently sought after as speaker for livestock industry meetings," said TAHC Chairman Locke. "He can quickly 'digest' a problem and seek solutions with working groups, an attribute that we have come to greatly appreciate in a TAHC leadership position."

Currently residing in Austin, Dr. Schwartz and his wife, Kathy, have four children and two grandchildren. 🐾

## Dairy Trivia



- Approximately 53,000 U.S. dairy farms provide milk, cheese and yogurt to the U.S. and other countries. About 99 percent of all dairy farms are family-owned.
- On dairy farms, the average herd size is 135 cows.
- U.S. dairy farms produce almost 177 billion pounds of milk annually.
- There are dairy farms spread across all 50 states and Puerto Rico. Most milk only travels about 100 miles to get from the dairy to your local grocery store.
- Americans eat the equivalent of 10 acres of pizza (and Mozzarella cheese) every day.

Continued on page 48

# Dual Energizer

## Magnum

**B SERIES B150D DUAL ENERGIZER**



**12V/120V DUAL OUTPUT POWER DC/AC**  
**15 miles, 1.5 joule energizer**

AC adaptor & 12V leads included

- Shielded transformer/greater lightning protection
- Power-On-Demand for extreme conditions
- Weather-resistant durable housing
- Solar conversion capability
- LED display

Includes Twin Mountain 3-Year Guarantee (including lightning!) our customers admire & appreciate!

*Since 1947*  
**TWIN MOUNTAIN FENCE**  
*Ultimate In Electric Fencing!*  
**TwinMountainFence.com**

**Call us at: (800) 527-0990**  
**San Angelo, TX**



## **Blood-Based Pregnancy Checks- BioPRYN Your Herd!**

**O**ver thirty years ago Dr. Garth Sasser was a professor of Animal Science at the University of Idaho. In his research he discovered a pregnancy specific protein in the maternal bloodstream of ruminant animals that is only elevated when that animal is pregnant. He developed a test called BioPRYN (Pregnant-Ruminant-Yes-No) that measures the concentration of this protein in blood and can provide an extremely accurate determination of pregnancy status in cattle, goats, sheep, bison and other ruminant animals very early in gestation (28 days post breeding).

A growing number of dairy and beef producers and their veterinarians are utilizing blood-based pregnancy testing in unique ways to complement traditional pregnancy detection methods and because BioPRYN is a proven, convenient, accurate and cost-effective way to check your animals for pregnancy that eliminates subjectivity. Some progressive producers that are using embryo transfer or synchronization protocols with artificial insemination will use BioPRYN as an early "open check" at 28 days post breeding to identify if the animal needs to be reintroduced to the synchronization program. Other producers and their veterinarians will use a BioPRYN check to supplement monthly or biweekly herd health checks to identify those open cows as early as possible and to avoid the entire herd being locked up for extended amounts of time on pregnancy-check day. BioPRYN is also a useful tool for a reconfirmation pregnancy check later in gestation to identify the small percentage of cows that will experience embryonic loss and not carry to term.

The process consists of drawing a small blood sample, usually from the tail vein, and delivering or sending samples to one of the 45 BioPRYN Affiliate Labs that have been trained and certified to provide consistent and accurate results so that you can trust the results and manage your animals accordingly.

For blood collection supplies and more information about BioPRYN and the BioPRYN Affiliate Lab network please visit [bioprbyn.com](http://bioprbyn.com) or call 208.882.9736. 📞



### **INTRODUCING biOPRYN<sup>®</sup><sub>hfr-25</sub>**

- Greater than 99.9% accurate for identifying heifers as open 25 days post-breeding.
- Provides information to make timely, critical heifer reproductive management decisions.

### **GET STARTED: IDENTIFY YOUR OPEN HEIFERS EARLIER**

The BioPRYN<sub>hfr-25</sub> test is conveniently available through the BioPRYN Affiliate Laboratory Network. To locate the BioPRYN Affiliate Lab nearest you, or learn more about the BioPRYN<sub>hfr-25</sub> test, visit [bioprbyn.com](http://bioprbyn.com), call **208-882-9736** or email [bioprynchelp@bioprbyn.com](mailto:bioprynchelp@bioprbyn.com).

**biOPRYN<sup>®</sup><sub>hfr-25</sub>**

[WWW.BIOPRYN.COM](http://WWW.BIOPRYN.COM) | (208) 882-9736

# Wieser Concrete

## Innovation, Quality & Service Since 1965

Fetzer Farms of Elmwood, Wis. have been customers and friends of Wieser Concrete of Maiden Rock, Wis. from the very beginning of their 50 years. One day during the

at the time, Joe Wieser, founder of Wieser Concrete, had not attempted or worked on.

Shortly after Wally's visit, Joe attended his first National Precast Con-

Wieser) purchased that franchise. After returning home they began to build forms. Joe proceeded to talk with Wally and his sons, and sold them two - 32' x 60' manure storage tanks. Within about six weeks of the convention, the forms were completed and the job sold and installed. This project alone had more dollar volume than Joe's first year in business and still saved Fetzer Farms money from what other suppliers were offering to install.

Two generations later in 2015, Wieser Concrete installed another manure storage system for Wally's grandsons. Fetzer Farms put up a new heifer facility that is 178'x228'x12' deep with our Pan-L-Bilt manure storage system. They also added a new 12' tall twin cell bunker.

For more information, contact Wieser Concrete at 1-800-325-8456 or visit [www.wieserconcrete.com](http://www.wieserconcrete.com)



winter of 1967-1968, Wallace Fetzer of Fetzer Farms came to Wieser Concrete and talked with Joe about a manure storage tank. This was something that,

crete Association (NPCA) Convention in Buffalo, NY. There was a gentleman there selling ADL manure storage tanks. Both Joe and his father (Al

"I didn't even think we had stray voltage!"



Roger Lange milks 100 head on his family dairy at Crofton, Nebraska. Until recently he was often forced to sell his fresh heifers because they wouldn't let down their milk.

"We called Stray Voltage Consulting, and Jerry found the problem within half an hour." Roger said. "I was very impressed with Jerry. He's a former REA guy, so he understands both the farmer and the electric company. Being able to work with both sides is a key component to his success."

I haven't had a single problem with our fresh heifers since Jerry corrected our stray voltage problem. I would highly recommend Stray Voltage Consulting to anyone who thinks they might have stray voltage."



Stray Voltage Consulting

*Over 30 years of experience*

605-695-3328

[www.strayvoltageconsulting.org](http://www.strayvoltageconsulting.org)

INNOVATION,  
QUALITY AND  
SERVICE SINCE 1965



OUR PRECAST CONCRETE  
SOLUTIONS INCLUDE:

HOLDING TANKS UP  
TO 40,000 GAL.

H BUNK

CATTLE GUARD

FUEL CONTAINMENT VESSELS

PAN-L-BILT UNDER BARN  
MANURE STORAGE SYSTEMS

BUNKER SILO WALLS

FENCELINE FEEDBUNK



[www.wieserconcrete.com](http://www.wieserconcrete.com)

Ph: 800-325-8456



# PBI Parlor Systems Leading the Way in the Dairy Industry

Operating from their office in Portales, New Mexico, PBI Parlor Systems is a leading manufacturer of milking stalls and equipment for dairies around the world.

The owner, Steve Peacock, has a strong dairy business background, and an even stronger pride in his company's products. His commitment to improving dairy profits and delivering excellent customer service is unmistakable. And each of the company's employees shares his dedication.

Of course it all starts with an efficient stall design - their stalls are engineered to be the best solution for maintaining cow safety and dairy efficiency. In fact the company came into existence in the late 80's after designing a parallel stall at the request of a local dairyman.

His stall design was a winner! Good news travels fast, and word of this design spread quickly from person to person, which led to more parlor business.

Building on his design and engineering experience, the entire PBI crew

continues to produce and install innovative parlor stalls all over the world. To ensure the quality of the final product, they control every stage of production. Dairies of all sizes, from small family-dairies to large mega-dairies have been fitted with PBI stalls.

Because PBI designs and builds the stalls, they are custom fitted to your unique requirements. They use heavy duty galvanized and stainless steels to provide a durable yet sleek stall with no rough edges to hurt cows and profits. Performance excellence is ensured by their expert project installer and crew, which they make available for every installation. You will assuredly receive a quality, hassle-free installation, and on-going support.

Value is built into every PBI stall design. Low installation and maintenance costs make PBI stalls a valuable investment for dairies of all sizes. Plus their durable construction, smooth operation and labor saving design provide ongoing increased profits.

Innovation is what started PBI. Their

stall designs are adaptable to suit the needs of dairies of all sizes, no matter the environment. They are compatible with all brands of milking equipment. And though innovation started PBI, service is what maintains and grows the company. PBI Parlor Systems takes pride in its continued commitment to meet and exceed their customers' needs. From the free quote they give you, through the completed installation, they maintain a hands-on approach that delivers unrivaled customer service.

But their customer support doesn't end with the sale. PBI's on-going personal contact with their clients and easy accessibility cater to meeting your needs now and later. They choose to maintain close relationships with their clients. Client feedback about stall performance is essential to PBI's commitment to developing and refining products that satisfy the needs of dairy farmers all over the globe.

For more information, call PBI Parlor Systems at 800-295-5677 or visit [www.PBIParlorSystems.com](http://www.PBIParlorSystems.com)



## PBI PARLOR SYSTEMS Elite Stalls

The Elite Parallel Stall is our signature stall

- A powerful hydraulic cylinder operates an entire row raising the headstalls to a full 62" clearance. High enough for even your largest cow.
- Lowering of headstalls can be adjusted to your specifications.
- Rapid exit allows cows to leave at the same time.
- Counter weights are used on our patented divider gates. Nothing is spring loaded.
- This stall is offered on 26" centers for jersey cows only, 27" centers for mixed herds or holsteins, or 28" centers for holsteins.

[pbiparlorsystems.com](http://pbiparlorsystems.com)

**PBI PARLOR SYSTEMS** 43214D US 70, Portales, NM 88130

Phone: 1-800-295-5677 • Fax: 1-575-359-6810 • Email: [pbiparlorsys@yucca.net](mailto:pbiparlorsys@yucca.net)

# Rawhide Portable Corral's NEW PROCESSOR

**R**awhide Portable Corral, Inc of Abilene, KS has been in business for the last twelve years and we are proud of our premiere portable livestock corrals. We are extremely excited about our latest model: The Rawhide Processor by John McDonald.



We offer 3 sizes ranging from the **Standard:** 40-50 cow/calf capacity, **Large:** 80-100 cow/calf capacity, and our **Super Large:** 140 cow/calf capacity. Our corrals offer the most versatility in pen size and configuration. John McDonald is the original designer of the Rawhide Portable Corrals and has really outdone himself with this new design.

The Processor has a permanent sheeted adjustable alley to aid with working your livestock on site and in the field. The adjustable alley can be sized from 30" down to 16" either manually or hydraulically. We offer the option of mounting a head gate to the end of the alley for easy, on site cattle processing. You can even add a self contained loading chute to the system.

If you like to lure your cattle with feed, a pickup can be driven completely through and out the opposite end of the Rawhide Processor. Each panel section has its own solid rubber wheel, resulting in no flats. Our corral has several man/pass gates to aid in human movement about the system. The Rawhide can form 2, 3 and even 4 pens to aid with sorting your livestock.

The Rawhide Processor is easy to set up, utilizing electric over hydraulic cylinders on the back end and the front of the unit: The 16" transport wheels are permanent, retracting up and down with the flip of a switch. No more unpinning the wheels and sliding them off the axels and rolling out of the way. This model comes as a gooseneck only and there is a self contained power unit with long life marine battery and a solar panel mounted atop.

Please check out our website for more information and to view our video: [www.rawhideportablecorral.com](http://www.rawhideportablecorral.com) or call 785-263-3436.





**"The Insectary"**  
Dependable Biological Fly Control ~ Since 1959

**HORSE STABLES | CATTLE FEED LOTS | DAIRY FARMS  
CALF OPERATIONS | POULTRY**

Call Toll Free 1 (800) 832-1113  
for a **FREE** Consultation  
from a Staff Entomologist

**[www.kunafin.com](http://www.kunafin.com)**

Rt. 1 Box 39 | Quemado, TX 78877  
phone 1 (800) 832-1113 | fax (830) 757-1468



**The First Hydraulic Corral and still the Largest!**

**3 SIZES AVAILABLE!**

**NEW!**

**Rawhide Processor by John McDonald**

- Pull on highway at speed limit.
- Fits through any gate your pickup will.
- Stable on uneven terrain.
- Wheels on each panel and electric over hydraulic jack eliminates lifting—saves time.
- Frame gates for sorting.
- Transport wheels are permanent, no sliding off the axles and rolling out of the way.
- Permanent sheeted adjustable alley.

**RAWHIDE PORTABLE CORRAL**  
900 N. WASHINGTON ST. • ABILENE, KS 67410 • 785.263.3436  
[www.rawhideportablecorral.com](http://www.rawhideportablecorral.com)

Find us on Facebook



# Bio S.I. Technology – Floor-Mate and Jackpot

The livestock industry is volatile, at best, and often downright difficult. Minimizing loss and increasing animal health are two factors which tie directly to the bottom line. Bio S.I. Technology's line of livestock products include Bio S.I. Floor-Mate and Bio S.I. Jackpot direct-fed microbial. Bio S.I. Floor-Mate is an environmental spray that reduces ammonia and begins breaking down solids, thereby reducing odor. Bio S.I. Jackpot is a direct-fed microbial that works in the digestive system to improve natural immunity and performance.

Bio S.I. Jackpot is ideal for use in receiving programs, weaning programs and hospital pens. Received cattle will benefit from a one-ounce oral drench by means of the high concentration and diversity of microbes. Bio S.I. Jackpot will repopulate the digestive system with microbes that were lost due to shipping stress and illness. One of the most important factors in a receiving program is to ensure the rumen is functioning; without microbes in the digestive system, ruminants essentially starve. Maintenance doses in drinking water or applied to daily feed ensure cattle receive the maximum benefit of competitive exclusion and performance.

Weaned calves benefit from Bio S.I. Jackpot in several ways. Utilizing direct-fed microbials allows the rumen to begin working faster which reduces transition from mother's milk to grain and roughage. Reducing the propensity of scours will save time and money from a treatment standpoint and ensure that the cattle are reaching their anticipated average daily gain. Cattle receiving Bio S.I. Jackpot are also more resilient and are able to

return to prior performance and health after an illness.

For cattle that are being backgrounded or finished, the benefits of Bio S.I. Jackpot continue. If an animal has an opportunity to be more thrifty and productive from the beginning, it will perform better in the long run. Bio S.I. Jackpot provides cattle with a better beginning. By maintaining a healthy digestive system there will be a natural improvement in performance, allowing the cost of gain to be reduced. Using Bio S.I. Jackpot as a preventative measure, no matter what segment of the production chain, will have a positive impact on your bottom line.

Once we have given the animal what it needs to improve health and performance we are left with cleaning up after them. That's where Bio S.I. Floor-Mate comes into use. Bio S.I. Floor-Mate is a specially formulated mix of soil-borne microbes that eliminate ammonia while working to digest and decompose organic material rapidly. When ammonia is eliminated and solids deteriorate faster, opportunities for respiratory illness and vector-borne pathogens are reduced. Also, the operation won't be smelled from a mile away, which helps improve relations with neighbors.

In dairies, Bio S.I. Floor-Mate can be used in flush tanks and added to lagoons. It can also be used to improve compost piles used for green chop and silage growth. Bio S.I. Jackpot is certified for organic use by WSDA and IMI Global maintains it on their Feeds Verified list for use in All-Natural, NHTC and many other value-added programs.



Good for Livestock,  
**GREAT**  
for Your Bottom Line.

The livestock industry can be volatile, and often downright difficult. Minimizing loss and increasing animal health are two factors which effect your bottom line. Improve your bottom line with Bio S.I.'s livestock products, Bio S.I. Jackpot direct-fed microbial and Bio S.I. Floor-Mate.

Start increasing your bottom line - call today and let our staff tailor a microbial plan for your operation.



Bio S.I. Technology LLC.  
T 866.393.4786  
info@biositechnology.com  
biositechnology.com



**Introducing the "NEW" Needle-Guard™  
Vaccination Table!**

**Needle-Guard™  
Vaccination Table**

**\*\*\*Color Coded\*\*\*  
\*\*\*Foldable\*\*\*  
\*\*\*Portable\*\*\*  
\*\*\*Lightweight\*\*\***



***Something NEW for the Ranching Industry!***

**For a brochure with all the details,  
Call 800-568-4228**

**Tower Stool LLC, 219 Main St., Faith SD  
E-mail: [towestoolco@gwtc.net](mailto:towestoolco@gwtc.net)  
[www.towerstool.com](http://www.towerstool.com)**

## **Needle-Guard™ Vaccination Table by Tower Stool LLC**

**T**ower Stool Company is proud to introduce the innovative, new Needle-Guard™ Vaccination Table (patent number D613,525), which will make inoculating farm and ranch animals far less stressful. The Vaccination Table was designed with the help of South Dakota ranchers to make the vaccinating process easier, safer, and more efficient.



The Needle-Guard™ features 4 color-coded holsters for vaccine guns that allow for easy, controlled access during the stressful vaccination process. The holsters will accommodate both plastic and metal guns and keep them out of direct sunlight when not in use. The color coded holsters hold up to four

different vaccines in precise order, eliminating costly mix-ups and mistakes. The holsters are easily removable for cleaning and storage. The Needle-Guard contains a heat distribution method for warming vaccines during cold weather use. In addition the tankards can be used to store ice or dry ice to cool vaccines in hot weather.

### **KEEP VACCINES ORGANIZED & TEMPERATURE CONTROLLED**

The Needle-Guard™ also features 2 large tankards for holding extra vaccine, disinfectant for cleanup, and waste by-products. These extra large waterproof tankards have hard plastic flip-top lids and brass plated steel hinges. Like the holsters, the tankards are easily removable for cleaning and storage. Veterinarians know that vaccines are more effective when kept at normal room temperature. The Needle-Guard™ provides a stable base for vaccinating even in the most rugged environment making the entire process more efficient and effective. The table can be set-up even while wearing gloves in a matter of seconds. Like all Tower Stool Products, the Needle-Guard™ folds flat for easy transportation and compact storage.

The Needle-Guard™ is constructed of Baltic Birch wood with brass plated steel hinges. The table has a mar-resistant polyurethane finish and the legs are dipped in hard plastic to keep them from absorbing moisture from the ground. With over 90 square inches of workspace the Needle-Guard™ provides an ample, stable work platform that can be assembled in seconds. The table weighs 27 pounds so it can be moved easily by both men and women.

For more information, email: [towerstoolco@gwtc.net](mailto:towerstoolco@gwtc.net) or visit: [www.towerstool.com](http://www.towerstool.com)



**AGRI-TRAC Inc. is the only provider of true  
Traction Milling in the Dairy Industry**

**40 years of concrete experience, research and  
development are behind our custom-built Traction Milling  
equipment, 7-step process and quality workmanship.**

**1-877-966-3546  
[www.agritraction.com](http://www.agritraction.com)**



# Powder River introduces new 2000 Series Squeeze Chutes

**P**owder River squeeze chutes are known worldwide for their strength and durability. Powder River introduced the first all steel commercial squeeze chute in 1938 and has been making products loved by ranchers for almost 80 years. In the last year Powder River has been introducing a new line of squeeze chutes, the 2000 series. These chutes are highly engineered with safety for the animal and operator in mind. The 2000 Series Chutes are bull tough, simple and easy to use, and provide features that benefit speed and durability.

The Powder River 2000 Series Chutes come in 3 major configurations with some additional options. The chassis is similar on each chute and all embody the quality that customers have come to expect with Powder River. All 2000 Series Chutes feature standard: side exits, adjustable floors, split kick pans, dual sided v-squeezes, and an ultra-low profile floor.

The H2000 chute is a hydraulic actuated chute at an economical price. The headgate, center squeeze, and tailgate are hydraulic while the easy to use floor adjustment remains manual to save cost. The M2000 chute is the next evolution of the best selling Manual XL chute (eXtra Long) that is still a Powder River favorite. The M2000 stands out with its rack and pinion headgate and in-line center squeeze that removes handles from the operator's way. The headgate is fast and has a very fine latching mechanism that delivers tighter catches. It also features a neck extender (standard) to aid in head control.

Rounding out the group, the S2000 features a self-catch headgate that offers smooth operation and lots of adjustability. The S2000 can also be ordered with the groundbreaking Stabilizer feature. The Stabilizer is a secondary headgate that catches the cow again in front of the shoulders gently isolating neck movement and al-



lowing unprecedented head control while retaining neck access.

If you have been thinking about a new squeeze chute, there is no better time to look into the Powder River 2000 Series Chutes. Talk to your local equipment dealer or visit [www.powderriver.com](http://www.powderriver.com) to find a dealer near you.



**NEW**  
**M2000**  
**Manual Chute**



Sierraville, CA



Somerset, WI



Larkspur, CO



Plainview, TX



Wallsburg, UT



Mt. Pleasant, NC

Want to see pictures of your ranch in Powder River ads? send them to: [marketing@powderriver.com](mailto:marketing@powderriver.com)

## America's Ranches are Our Showroom

If you want to get a look at some Powder River Equipment, there is a good chance you don't need to go further than your nearest pasture. The fact is, Powder River has been making livestock handling equipment longer than anyone else out there. We revolutionized cattle working equipment by introducing the first all steel cattle equipment in 1938. Today we are still the brand of choice by livestock producers around the world. From the strongest gates in the industry, to the latest in squeeze chute innovations Powder River is committed to quality, value, and efficient livestock equipment.

Call for a free catalog  
**800-453-5318**



**POWDER RIVER**  
• LIVESTOCK HANDLING EQUIPMENT •  
[www.powderriver.com](http://www.powderriver.com)

# SweetPro Feeds of Walhalla, ND

**S**weetPro Feeds of Walhalla, ND produces Vitamin, Mineral and Digestive Aid supplements for livestock and has pioneered the use of Distillers Grains (DDGS) on rangeland.

Dried Distillers Grains (from ethanol production) as a carrier for supplementation provides significant benefits to the Rancher, the Feeder, the Consumer and the Land itself.

Although used in feedlot and dairy settings, until SweetPro's patented non-molasses DDG block became available for rangeland applications, the benefits of feeding Distillers Grains were unavailable to these non-bunk fed livestock.

Historically many small farmers steeped barley before feeding it to their animals. While this practice faded due to various influences such as economies of scale, elements relating to this fermentation of grain have been refined by SweetPro Feeds. SweetPro has overcome the historic mechanical limitations and taken the science to new levels with stabilization for open range feeding, organic complexed trace minerals, four classes of viable digestive enzymes and prebiotics to deliver maximum performance potential. Feed efficiency is improved by 25%.

Additionally, a blend of cereal grains (wheat, oats, and barley malt) plus flax are used in the proprietary fermented blend additive, "ProBiotein." This assures that the most complementary amino acid profile is available.

SweetPro complements a forage based diet by NOT using starch or sugar (which can create a rumen Negative Associa-

tive Effect) as the main ingredient.

SweetPro blocks also produce a unique dynamic which both influences the total protein and the type of protein available to the animal. Total protein is improved, not just from the protein in the supplement, but also from the rumen microbes (single cell protein). SweetPro blocks contain three classes of prebiotics to feed and keep robust these rumen microbial populations. The better the microbes perform, the more single-cell protein is available to the cow when the microbe's short life-cycle ends.



The other protein dynamic in SweetPro is high bypass protein. This is protein not used in the rumen but available directly by the animal. This is most important during the two key times when the cow's protein demands are greatest, late stage pregnancy and peak milking demand.


When these protein and fiber oriented energy benefits are combined with SweetPro's strong vitamin and mineral package, ranchers have a solid tool to help reclaim the losses they'd otherwise absorb when forage is poor. Even poor quality forages can be fully utilized with pastures stretched or more animals run on the same ground.

SweetPro benefits the Rancher by improving feed efficiency 25% while promoting better herd health and fertility. Heavier "growthy" calves can be expected at weaning along with labor and fuel savings (blocks are only placed out every 10 days). It also benefits the producer by providing new options for grass finishing and putting more "Pounds on Pasture" per day than older means of vitamin and mineral supplementation.

SweetPro products also help the Feeder by allowing them to bring in healthier and heavier calves. These calves need only half the time to finish as in years past. With 25% improved feed efficiency, 400 to 800 pounds less corn is needed in the finishing process.


The Consumer benefits through a healthier meat that has much better mineral deposition and a better taste. The Land itself also gains advantages. With 25% improved feed efficiency, stress on pastures is reduced while the more efficient digestion allows for an even spread of softer stools that are much easier for dung beetles to work into the soils. Soil fertility is increased markedly over only a few years time.

SweetPro Feeds' combination of a healthy and cost-efficient vitamin and mineral delivery system along with a 25% improvement in forage feed efficiency has impacted ranching, feeding and the nation positively. [www.sweetpro.com](http://www.sweetpro.com)



**4 Classes of Enzymes & PreBiotics**  
**Organic Complexed Trace Minerals**  
**Macro Minerals & Vitamins**  
**Rumen Friendly Protein**  
**Reduced Labor**  
**More Pounds on Pasture**  
(4/10<sup>th</sup> more pounds per day)

**25% BETTER FEED EFFICIENCY**  
**NO MOLASSES!**



**PROBIOTEIN**

888-229-0475

**SweetPro.com**



# Stock Land

LIVESTOCK AUCTION

**Sales Every Monday!**

**We nationally broadcast every sale on  
www.cattleusa.com! Watch us online!**

**All classes of cattle sell every sale day!**

Contact us anytime:

Katie/Office: 509-535-2444

Kale: 509-703-3981

Jack: 509-703-3982

Sale Day: 509-725-1101

[www.stocklandlivestock.com](http://www.stocklandlivestock.com)

[questions@stocklandlivestock.com](mailto:questions@stocklandlivestock.com)

*"We'll work hard for your business and even harder to keep it"*



Make YOU and your BULL happy today!

✓ With the new **"California Bander"**

✓ Bulls don't like being in a chute too long

You don't want to be under the bull too long!

Easily places bands in just seconds!!!

The price will make you even happier!



Hear what one of our customers has to say!

**"The easiest of all the banders we have used"**

Gary Fritsch, Fayetteville, TX

**Money Back Guarantee** Call today 800-847-2533

See video at [www.inosol.com](http://www.inosol.com) or call  
for a free demonstration DVD

## Great Products Built to Last from Feed Train

### NEW UTV FEEDER

600 lb capacity



**Our All  
New UTV  
Feeder!**

### ATV FEEDER

500 lb capacity



**Replaces the 5-Gallon Bucket in Your Life!**

Unloads in less than 2 minutes ■ Translucent tank makes feed visible  
4" auger services several different types of feed ■ Large lid opening for easy fill



Unionville, MO (888) 592-2351 [feedtrain@yahoo.com](mailto:feedtrain@yahoo.com)

for additional information visit [www.feedtrain.com](http://www.feedtrain.com)

Bulk Bins ■ Creep Feeders ■ Seed Tenders ■ Feed Bunks

# marketplace

## AGRICULTURE

**UNITEDPOWER**  
Your Touchstone Energy® Cooperative

**24-Hour Emergency Dispatch**

Brighton • Ft. Lupton • Coal Creek

**(303) 659-0551**  
**(800) 468-8809**

[www.unitedpower.com](http://www.unitedpower.com)

**FARM LIKE YOU MEAN IT**

**EASYRAKEFACER.COM**

**NO MOVING PARTS - WILL NOT BREAK**  
**MAINTAIN CUT LENGTH - BETTER FEED**  
**STAY IN THE CAB - NO HYDRAULICS**  
**CALL FOR YOUR DEMO TODAY**

**Easy Rake®**  
SILAGE FACER  
PATENT #7,888,388  
and #8,077,309

**HANSONSILO.COM**  
**800.THE.SILO**

## CUSTOM HARVESTING

**Harvest Help**

Spend the summer traveling and meeting new people, as a combine or truck driver, CDL is a plus, top monthly wages, room & board, year around employment available.

Call Melvin  
**785-372-4111 • 785-623-0610**  
[melmschneider@gbta.net](mailto:melmschneider@gbta.net)  
[schneiderfarmsandharvesting.com](http://schneiderfarmsandharvesting.com)

## CUSTOM HARVESTING

**Skinner Harvesting, LLC**  
Individuals wanted for summer wheat and fall corn harvests.

Contact Dan Skinner  
Cell: 620.340.2843  
[www.SkinnerHarvesting.com](http://www.SkinnerHarvesting.com)

## EQUIPMENT

**Vermeline Ag Equipment**  
We Buy • Sell • Trade & Consign Sprayers

2385 County Rd. P, Malmo, NE 68040  
402-642-5876 • 402-480-1430  
[www.vermelineag.com](http://www.vermelineag.com)

## FARM TOYS

**Dakota Toys, Ltd.**

Farm Toy Parts  
including Pedal Tractor Parts -  
*Send \$4.00 for a catalog*

44718 South Dakota Hwy. 34 • Madison, SD 57042  
Telephone: 605-256-6676  
Fax: 605-256-9093  
Email: [daktoys@yahoo.com](mailto:daktoys@yahoo.com)  
Website: [www.dakotahtoyparts.com](http://www.dakotahtoyparts.com)

## FENCING

**Oil Field Pipe & Rods**

All Sizes • Top Quality  
We provide FREE delivery on full truckloads in Kansas and surrounding states.

**John Seib 785-798-5959**  
**Larry Seib 785-798-5245**  
**S&S Pipe & Steel, Inc.**  
Ness City, KS

## FLOORING

935 N 275 W Suite B  
Angola, IN 46703

**Indiana Warm Floors**  
Efficient for Life

Snow-Melt Systems  
Radiant Heat  
Geothermal  
Tankless  
Hot Water

**Radiant Floor Heat!**

- Warm, Silent & Efficient • Hot Water or Electric
- Tankless Hot Water • Slabs • Wood Floors
- Geothermal • Wood Boilers

See us at [www.indianawarmfloors.com](http://www.indianawarmfloors.com)  
**(260) 668-8836 • 1(800) 700-8830**

## HAY & FORAGE

UDY Corporation  
Scientific Equipment

5 models to choose from.

**Colorado Hay Probe**

Colorado Hay Probe Model 2001  
Collection Chamber Holds Approx. 1/2 Pound Perfect for the Lab

Stainless Steel Piercing Tip  
Re-Sharpener  
Replaceable

Removable End Cap  
Push Rod  
Shoring Tip Guard

Durable Painted Aluminum Alloy

**VISA** **MasterCard**

Colorado Hay Probe  
Popular "Push In" Design  
Model 2001-See website for pricing  
[www.udyone.com](http://www.udyone.com)  
**UDY Corporation**  
201 Rome Court, • Fort Collins, CO 80524  
Voice: 970.482.2060 • Fax: 970.482.2067

## HAY FOR SALE

**HAY**

Farmer to Farmer • Wet and Dry  
Round & Square Bales  
1st, 2nd & 3rd Cut Hay  
Also Square Bales of STRAW  
Call Steve - 519-482-5365

## HEY! GOT YOUR ATTENTION?

**ADVERTISE YOUR BUSINESS IN THE MARKETPLACE. IT WORKS!**

Call 1-800-330-3482 today to find out how.



## PARTS

**Big Tractor Parts, Inc.**  
*Geared for the Future*  
*Steiger Tractor Specialists*

- 1 10-20% On New Drive Train Parts
- 2 50% On Used
- 3 We Rebuild Axles, Differentials, Transmission and Drop Boxes with one year warranty.
- 4 We Buy Used & Damaged Steiger Tractors

**800-982-1769**  
[www.bigtractorparts.com](http://www.bigtractorparts.com)

## PLANTS-SEEDS

Sweet Potato Varieties: Bellevue • Bonita • Burgundy  
 Covington • Murasaki • Orleans • Porto Rico



**Jones Family Farms**

MICROPROPAGATED, CERTIFIED, VIRUS-INDEXED  
 SWEET POTATO PLANTS/SEEDS AND BLACKBERRY PLANTS  
 7094 Honeysuckle Lane - Bailey, NC 27807  
 CONTACT JIM JONES OR JESSICA WILLIAMS  
 Cell (252) 230-2084 - Office: (252) 230-0923  
 Fax: (252) 235-0155  
 Email: [sales@jonesfarmsnc.com](mailto:sales@jonesfarmsnc.com) - [www.jonesfarmsnc.com](http://www.jonesfarmsnc.com)

## SEED



Sunray,  
 Texas

•Now Booking for Summer seeding•

### Ribbon Grazer

This sweet, leafy sorgo-sudangrass makes an excellent forage product, for either hay or grazing.

- \*All top varieties of Wheat
- \*Beardless Triticale
- \*Conventional Triticale

**CALL TO BOOK TODAY!**  
**1-800-687-2891**

## PARTS

### SALVAGING

Round Balers  
 Swathers  
 Combines  
 Tractors

**Over 7,000  
 Machines Parted  
 Out!**

We Also Carry Many  
 New & Rebuilt Parts  
**Mike's Equip. Co.**  
 Buhler, KS  
[www.MikesEquipment.com](http://www.MikesEquipment.com)  
**800-543-2535**  
 Since 1977

## PRINTING



**MODERN  
 PRINTERS**

**COPIES  
 PRINTING • FAX**

714 North Main  
 P.O. Box 556  
 Meridian, Idaho 83680  
 Phone: **208-888-5682**  
 Fax: **208-288-1946**  
 Cell: 283-3567  
 Email: [greg@modernprinters.net](mailto:greg@modernprinters.net)  
[www.modernprinters.net](http://www.modernprinters.net)

## PUMPS

**WE SELL AND REPAIR THEM ALL**

*We have specialized in serving the  
 agricultural community since 1952*

**G.J. VERTI-LINE  
 PUMPS, INC**

1970 Highland Ave. E.  
 Twin Falls, Idaho  
**208-733-4278**




## EQUIPMENT

### Hay Tarps

All Tie Downs Included  
 10 Available Sizes

**Call Mark @ Haybusters:**  
**(800) 371-7928**  
**haybusters.com**  
 Dealer inquiries welcome

## EQUIPMENT



**Common Sense  
 Manufacturing**

- HEAVY DUTY hydraulic wire winder
- Mounts on 3-point hitch or loader bucket
- Available in red or green
- Optional spools for Hi Tensile and Soft Electric also available

**Call (605) 598-4157 (Office) or visit  
[www.commonsemfg.com](http://www.commonsemfg.com)**



## ADVERTISERS INDEX

ADVERTISER	WEBSITE	PAGE	ADVERTISER	WEBSITE	PAGE
A1 Mist Sprayers	www.mistsprayers.com	28	Mike's Equipment Company	www.mikesequipment.com	47
Aeroswint LLC	www.aeroswint.com	23	Milk Specialties Global	www.MilkSpecialtiesGlobal.com	3
Agra Jack	www.AgraJack.com	18	Missouri Hay Tarps LLC	www.MoHayTarps.com	6
Agri-Trac, Inc.	www.agritraction.com	42	Modern Printers	www.modernprinters.net	47
AGRIFinancial Services	www.CGB-AFS.com	25	Muv-All Trailer Company	muvaltrailer.com	33
Albert Lea Seed	www.alseed.com	7	Natural Insecto Products	www.insecto.com	14
ANBO Manufacturing	www.anbomanufacturing.com	35	Nokian Tyres Inc.	www.nokianheavytyres.com	9
Big Tractor Parts, Inc	www.bigtractorparts.com	47	Northern Ag Mist Sprayers	www.northernagmistsprayer.com	13
Bio Tracking LLC	www.biopryn.com	37	NorthWestern Energy		8
Bio-S.I. Technology LLC	www.biositechnology.com	41	Norwood Sales Inc	www.norwoodsales.com	27
BTL Liners	www.bttlillers.com	23	PBI Parlor Systems	pbiparlorsystems.com	39
C & R Supply, Inc.	www.crsupply.com	10	Phase-A-Matic	www.phase-a-matic.com	21
Cardinal Wireless Inc.	www.cardinal-wireless.com	17	Pigeon Products & Mfg	www.AgraJack.com	18
Circle C Equipment LLC	www.superhay.net	49	Powder River	www.powderriver.com	43
Clarks Ag Supply	www.clarksagsupply.com	19	Pretty Good Twine	www.prettygoodtwine.com	15
Colorado Hay Probe	www.udylene.com	46	Pulse USA	www.pulseusa.com	11
Common Sense Mfg., Inc.	www.commonsemfmg.com	47	RanchWorx	RanchWorx.com	52
Cross Manufacturing Inc	www.crossmfg.com	25	Rawhide Portable Corral, Inc	www.rawhideportablecorral.com	40
Dakotah Toys LTD	www.dakotahtoyparts.com	46	Ron's Manufacturing	www.ronsmfg.com	8
Davey Joans		33	S & S Pipe & Steel, Inc.		46
Deaton Nutrition, Inc.	www.multisile.com	16	Schneider Farms & Harvesting LLC	schneiderfarmsandharvesting.com	46
Doda Organic Waste Solutions	www.dodausa.com	23	Seed Inc.		47
Easy Way Cattle Care	www.easywaycattlecare.com	5	Skinner Harvesting LLC	www.SkinnerHarvesting.com	46
Emerson Manufacturing Corp.	www.emersonjacks.com	32	Sloan Express	www.sloanex.com	50
FCS Manufacturing Inc	www.fcsmfg.com	34	Spallinger Combine Parts, Inc.	www.spallingercombine.com	35
Feed Train LLC	www.feedtrain.com	45	Stockland Livestock Auction	www.stocklandlivestock.com	45
Fehr Cab Interiors	www.fehrcab.com	20	Stray Voltage Consulting	www.strayvoltageconsulting.org	38
Flynn Farms Clinton LTD	flynnfarms.ca	46	Sweet Pro	www.sweetpro.com	44
G J Verti-Line Pumps, Inc		47	Synthetic Resources, Inc.	www.prettygoodtwine.com	15
Hanson Silos	hansonsilo.com	46	Tebben Enterprises	www.tebben.us	29
Harvesting World	www.NEBHARV.com	31	Titan Trailer Mfg	www.titantrailer.com	14
Haybusters Tarps	haybusters.com	47	Tower Stool Company LLC	www.towerstool.com	42
Herbruck's Poultry Ranch, Inc	www.herbrucks.com	16	Tri States Grain Conditioning Inc	www.tsgcinc.com	30
HFL Fabricating	www.hflfabricating.com	27	Twin Mountain Fence	TwinMountainFence.com	36
Indiana Warm Floors	www.indianawarmfloors.com	46	Ubly Bean Knife Mfg, Inc	www.ublybean.com	23
Industrial Maid LLC	www.industrial-maid.com	25	Udy Corp.	www.udylene.com	46
InoSol	www.inosol.com	45	United Power	www.unitedpower.com	46
Jones Family Farms	www.jonesfarmsnc.com	47	US Custom Harvesters Inc	www.uschi.com	13
Kunafin - The Insectary	www.kunafin.com	40	Vermeer Rocky Mountain	vermeerrockymountain.com	49
LaForge System Inc	www.fronthitch.com	19	Vermeline Ag Equipment	www.vermelineag.com	46
Latec Instruments Inc.	www.latec.on.ca	17	VP Buildings	www.vp.com	12
Load Trail	www.loadtrail.com	34	Walinga USA Inc	www.walinga.com	51
Maize Corporation	www.maizeparts.com	18	Wieser Concrete	www.wieserconcrete.com	38
McTavish Steel Works Ltd.	www.McTavishSteelworks.com	2	Wilger Inc	www.wilger.net	12

### Dairy Trivia

Continued from page 36

- Just ate spicy food? Milk is better than water for cooling your mouth. A protein in milk called casein cleanses the taste buds.
- Cheddar cheese was first developed in the town of, yes, Cheddar Gorge, England, more than 400 years ago.
- A gallon of milk weighs 8.59 pounds.
- A cow has a stomach with four compartments and 32 teeth.
- The most common breed of dairy cow in the United States is the Holstein; Jersey cows produce milk with the highest butterfat content.

- An average cow produces about 350,000 glasses of milk in her lifetime.
- The average U.S. cow will produce six to eight gallons per day over the course of a typical year. That's more than 2,000 gallons a year.
- Most cows chew at least 50 times per minute, and spend 10 hours a day chewing their cud in order to aid in digestion.
- Every cow spot is like a snowflake — no two are the same.
- Historians estimate that ice cream evolved sometime during the 16th century in Italy, perhaps from a recipe Marco Polo brought from the Orient.

In 1984, Ronald Reagan designated July as a time to honor America's favorite dessert.

- To get the same amount of calcium provided by 8 ounces of milk, you would have to eat 2 1/4 cups of broccoli, 6 3/4 oranges or 6 slices of wheat bread.
- An average dairy cow weighs 1,400 pounds and consumes about 50 pounds of dry matter (e.g., hay, grass, grain) each day.
- The average cow drinks from 30 to 50 gallons of water each day — about a bathtub's worth.





# Cutting Edge Technology!



## Golden Eagle Wheel Rake



## We now recondition rubber and steel rolls!

Call for details!



Our exclusive pattern provides full contact conditioning for softer, faster drying hay!

## Conditioner Roll Reconditioning



## Circle C Equipment, LLC

333 E. Feedville Rd., Hermiston, OR 97838 • 1-800-367-1847 • [www.superhay.net](http://www.superhay.net)



# MASTER YOUR MATERIAL.



Compost turners are vital to efficiently producing large volumes of compost. These units introduce oxygen into the compost pile helping to speed the decomposition process. There are two commonly used compost turners — drum and elevating face. Vermeer compost equipment is designed to process up to 4000 cubic yards/3058 cubic meters of compost per hour depending on the type and size of the turner.



[VERMEERROCKYMOUNTAIN.COM](http://VERMEERROCKYMOUNTAIN.COM)

6434 W. GOWEN RD | BOISE, ID 83709 | PHONE: (208) 463-4573 | TOLL FREE: (800) 895-9548

EQUIPPED TO DO MORE.

Vermeer, the Vermeer logo and Equipped to Do More are trademarks of Vermeer Manufacturing Company in the U.S. and/or other countries. ©2016 Vermeer Corporation and Vermeer Rocky Mountain. All Rights Reserved.



**\$19.99**

**80/20  
Talc-Graphite  
Seed Lube**  
8 lb jug  
Reduces moisture  
issues in hopper.

Order# 116032



**\$25.99**

**1 bu Poly Seed  
Box Extension**  
Fits John Deere ME2  
w/poly boxes, ME+  
and XP planters.  
Molded to snap into  
place.

Order# 110027



**\$859.00**

**Wireless Bulk  
Seed Box  
Opener**  
Safe, easy operation  
from the seat of your  
forklift via remote.

Order# 492350



**\$199.00**

**JD Tractor Step**  
Fits 30, 40, 50, 55,  
60 Series 2wd. Fits  
10&20 series  
w/addl \$55 bracket.  
(eg: 3010, 3020,  
4010, 4020).

Order# 504973



**\$359.00**

**Seed Catcher  
Cleanout**  
Positive seed  
cleanout for JD,  
Case-IH, Kinze,  
White Central Fill  
Planters

Order# 492300



**\$435.00**

**ISO Hydraulic  
Doubler Valve**  
12V Solenoid  
activated valves.  
Comes with control  
box and harness.

Order# 700-1510



**\$329.00**

**15 GPM Pump**  
12V, 1/4HP Motor  
Iron Rotor, Carbon  
Rotary Vanes  
Includes: 3/4"x12"  
hose & manual  
nozzle

Order# 1210



**\$2.69**

**3/4" x 10"  
Square Harrow  
Spike**  
Replaces JD#  
N188676

Order# 100407



**\$47.49**

**UTV Side Mirror  
Set**  
4.125"W x 7.75"H  
Fits 1-5/8" - 2"  
round tubing.  
Fits almost all UTV's

Order# 98315



**\$109.00**

**50' Air Hose  
Reel**  
Kink free and  
flexible Flexzilla  
Hose included.

Order# 777006



**\$99.00**

**3x5 LED Flood**  
920 Lumens  
1.00 Amp Draw  
12V-24V Compatible  
Speaker 880XD

Order# 097562



**\$6.00**

**Poly Hitch Savers**  
6" Outside Dia.  
3/8" Thickness  
Available in several  
I.D. Sizes  
Save your Hitch!



**\$25.95**

**AA53860 HD  
Seed Disc  
Opener 15"**  
3.5mm blade  
Koyo bearing  
Osmundson Blade  
Fits JD ME, ME2,  
ME+ planters.

Order# 109660



**\$9.09**

**7" Bolt-on Sweep**  
47° Stem Angle  
Nichols Ultra-Wing  
1-5/8" - 1-3/4"  
Spacing

Order# 100100



**\$115.00**

**JD R Series  
Tractor Monitor  
Bracket**  
Includes 6x9 tray  
Bolts in RH side of  
Cab from front to  
back.

Order# 504823



**\$299.00**

**JD 6000/7000  
Series Tractor  
Buddy Seat**  
Folds-up, includes  
Seat belt.  
Replaces AL173569

Order# 504310



**\$289.95**

**JD Cab Roof**  
Fits 30, 40, 50  
Series 2WD Tractors  
SoundGard Cabs  
Replaces AR74143

Order# 474143



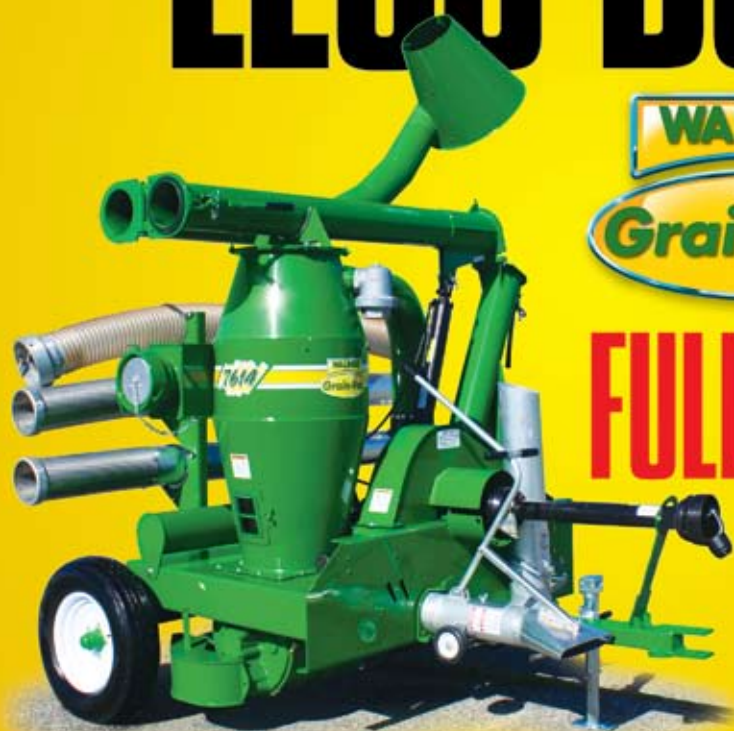
**\$18.99**

**Threaded Gauge  
Wheel Arm Kit**  
Incl 1 arm, bushing  
and hardware  
Replaces  
AA41968/A54179  
Fits ME, ME2, ME+

Order# 110199



# MORE BANG LESS BUCK



ALL NEW  
**7614F**

## FULLY EQUIPPED

Includes: PTO, 36' of Hose, Nozzle  
& Bin Clean-up Package!

**Most Competitively  
Priced Grain-Vac  
on the Market.**

### HIGHEST CAPACITY\*

	8' hose	42' hose
CORN	4500 Bu/Hr	3700 Bu/Hr
WHEAT	3900 Bu/Hr	3200 Bu/Hr

\*Barometric pressure, humidity, and condition of product will affect capacity.  
Due to continuous product development, specifications may improve without notice.

**WALINDA.COM**

**1-800-466-1197**

# RanchWorx<sup>®</sup>

Built for Results – Overbuilt to Last

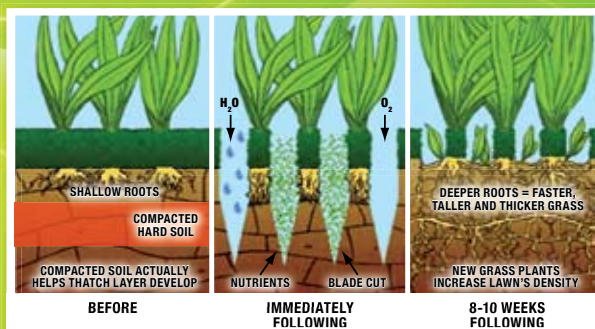
A Lawson Product  
Proudly  
Made in the USA



Over 40 Years  
of Quality!

## The Finest in Pasture Aeration & Brush Management

- Increases grass & hayfield production
- Alleviates soil compaction
- Fractures soil up to 24"
- Reduces fertilization cost
- High work rates – 3-11 MPH
- Maximize water retention and absorption
- No till application
- Minimizes soil erosion
- Maintain and reclaim CRP ground
- Levels rough ground
- Ideal for brush and headland management
- Increase stocking rates for wildlife and cattle



12' x 42" SA Single with Optional Seeder Package



12' x 30" DA Tandem



Come Visit Us for the Annual Hay & Forage Expo  
June 22<sup>nd</sup> & June 23<sup>rd</sup> • 1827 217<sup>th</sup> Rd., Boone, IA 50036

Call Toll-Free:

US 855-732-0262 • RanchWorx.com • Canada 844-332-5303 • RanchWorx.ca

Lifetime Warranty Against Breakage on All RanchTech<sup>®</sup> Blades