

Western Farm, Ranch & Dairy

The vital resource of the Ag Industry | Rocky Mountain-Heartland | spring-summer edition 2017

**Industrial Capacity Seed Tenders
From Convey-All Industries**

**Aeroswint Trailers
Leading the Way for Over 20 Years**

**Programmable
Feeding System
Provides Correct Levels
of Nutrition to Cattle**

Dyna-Cure Advanced Hay Conditioner

www.FarmRanchDairy.com



After Your Crop Is Up -



Actual Client

Keep It Going To Outstanding Yields & Quality With

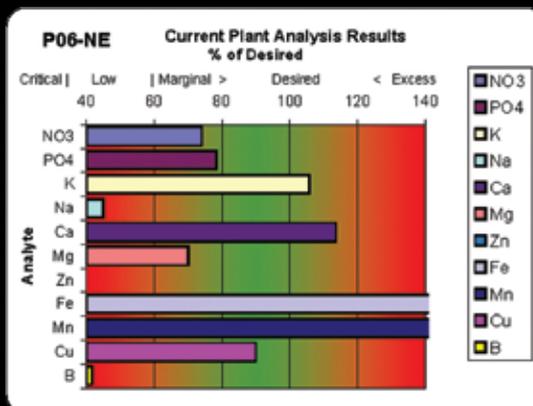
ASK THE PLANT®
TO GET THE MOST FROM YOUR PLANTS
DYNAMIC CROP NUTRITION®

Custom Field-Proven Solutions From *Your Crop's Dieticians®*
Pioneers In Commercial Plant Sap & Tissue Analysis Since 1964.

Your crop's nutritional demands change a lot during the growing season.

Accommodating those demands as they occur is key to outstanding yields & quality, insect and disease resistance, reduced water needs and the most efficient use of fertilizers.

There's no substitute for more than 50 years of plant analysis and consulting experience with Real Field Successes.



Testing, Consulting and
Originated by



Established 1938

956-383-0739

TPSLab.com

Specialists in Soil Fertility, Plant Nutrition and Irrigation Water
Quality Management - *Everywhere.*

4915 West Monte Cristo Road • Edinburg, Texas 78541



**One free, easy call gets your utility lines marked
AND helps protect you from injury and expense.**

**Call 811 or visit OneCallOfWyoming.com for more
information.**



**Know what's below.
Call before you dig.**

contents

Western Farm, Ranch & Dairy

Rocky Mountain/Heartland • spring-summer edition 2017

Agriculture

Viking HD Alfalfas – High Quality for High Production	8
Dyna-Cure Advanced Hay Conditioner	8
Ron's Manufacturing – Vertical Tillage Coultter Kit Attachment Gets Even Stronger	10
Nokian Manufactures Agricultural Tires for Modern Needs	11
Miracles of Balanced Plant Nutrition	12
One-Call of Wyoming	15
Roaring Fork Valley Co-op	
Serving our community for more than 60 years	16
Farm For Under 3%!	16
Aeroswint Trailers – Leading the Way for Over 20 Years	16
C & R Supply, Inc. – Birth of a Sprayer...the Family Expands	18
Missouri Hay Tarps – Poised For the Future	20
Natural Insecto Products	21
Pretty Good Twine	
Colorbale – Right Over the Edge	22
Kansas farmer goes nearly a decade without rained on alfalfa	23
The REVEAL 4-N-1 is the ultimate arena and ground prep tool	24
McTavish Steelworks Heavy Duty Work Bench – built for a lifetime of work!	25

Equipment

Look Ma – No Wires! Wireless Grain Temperature Monitoring	28
Convey-All Industries – Industrial Capacity Seed Tenders	29
Walinga – Bulk Feed Bodies & Grain-Vacs	30
Mud Hog – The Legend Since 1976	31
Dalton Ag Products: Simple. Durable. American.	32
Ugly Bean Knife and Ugly Peanut Digger Blades Give You the Advant-EDGE!	32

Livestock

"Catcher" Makes Calf Work Easier	36
Rawhide Portable Corral's NEW PROCESSOR	38
American Agra Curtains Inc.	
The Original Customized Insulated Curtain For Livestock Buildings	39
Doda USA, Inc.	39
New Programmable Feeding System Provides Correct Levels of Nutrition to Cattle	
When Summoned by Audio Signal	40
PBI Parlor Systems Leading the Way in the Dairy Industry	41
Wieser Concrete – Innovation, Quality & Service Since 1965	42
Equine Herpes Virus Confirmed in Denton County Horse	43
Chandler Herefords – Celebrating 128 Years In The Hereford Cattle Business	44
SweetPro Feeds of Walhalla, ND	45

Departments

Marketplace	46
Advertiser Index	49

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

Office Manager

Angie Hawkins
angie@ritzfamilypublishing.com

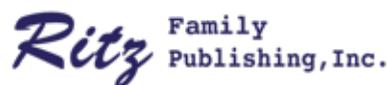
Admin. Assistant

Brenda Stoner
brenda@ritzfamilypublishing.com

Sales

Pat Drury
pat@ritzfamilypublishing.com

Jonathan Hart
jonathan@farmranchdairy.com

Ritz Family Publishing, Inc.

Corporate Office

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

Sales

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

Subscriptions

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© 2017. 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.



OUR SERVICES

- Engineering & Design
- Agronomy & Environmental
- Real Estate & Relocation
- Surveying & Geotechnical
- Financial & Construction
- Land Planning & Government Relations
- Water Resource Planning
- Legislative & Public Relations Representation
- Compliance Assurance & Maintenance Program



Faced with capital improvement decisions, deadlines, tight budgets and financial restrictions, multiple suppliers and government regulations, it's no surprise when agribusiness clients become frustrated and wonder, *"Who can help us make the right decisions?"* AGPROfessionals!

AGPROfessionals is a full-service development company providing professional expertise to the agriculture industry across the U.S. In addition to our agricultural services, we are advisors and intercessors for our clients in various governmental relations, including regulatory and financing institutions.

Our integrated functions provide a wide range of knowledge and experience required within the agricultural industry.

To offer the most value and service to our clients, AGPROfessionals also has legislative and public relations capabilities.

Looking for flexible solutions?

AGRICULTURAL CONSULTING WITH A TOTAL STRATEGY FOR CUSTOM SOLUTIONS

AGPROfessionals' team of professionals are proud developers and agriculture advocates. We offer practical, common sense solutions to develop and manage agricultural needs.

For over 20 years, our dedicated team has demonstrated the ability to help our clients improve strategic objectives and maximize return on investment.

Through consultation, experience and proven results, our team adds value to every project, ensuring the client gets the most from their investments.

"The Leader in Agricultural Development Since 1996"

3050 67th Avenue, Greeley, CO 80634 | 970-535-9318
131 S. Main St. Ste 202, Fallon, NV 89406 | 775-423-1333
www.agpros.com

agriculture



Photo courtesy of USDA NRCS.



ENTERPRISES LTD.

PROVEN

Rugged, Lightweight, Adjustable. Our Fast Attach Pocket mount enables a single operator to install in minutes. Obstruction free Pocket Mounts are concealed behind the cone to avoid additional contact with crop, maximizing performance. Spring loaded pivoting Nose Cone trips over obstacles such as wash outs, lodged materials, and road crossings.

PRACTICAL

Easily lifts out of the way for trailer loading. Bolt on mounting brackets allow easy installation.. Pivoting divider arm with minimal moving parts allows adjustment for different crop conditions. Solid front tip with flared back sides ensure a clean path through your thickest crops without sacrificing performance or damaging your tires or sprayer.

PROFITABLE

Minimize crop trampling and yield loss up to 90%.

Available for most High-Clearance Sprayers.

See more info and pictures online.

Crop Dividers

... with a difference for 15 years



www.e-kay.ca • Biggar, SK • Ph: (306) 948-2544 • 1-888-214-3518

Davey-Joan's Offers Irrigation Components By

BAUER ~ HOBBS ~ REINKE ~ OCMIS ~ ABI ~ JOHN DEERE

Irrigation Pipes



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



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.

**EQUIPMENT
AVAILABLE
NATIONWIDE!**

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!

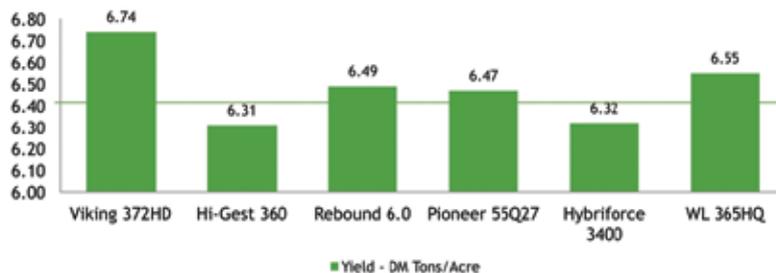
Viking HD Alfalfas – High Quality for High Production

By Elia Romano, Viking Seed Product Development

For a dairy producer, there's one bottom-line reason to choose an alfalfa variety—milk production. And 2016 trial results indicate that Viking Seed HD alfalfas lead the field when it comes to pounds of milk per acre and pounds of milk per ton.

The HD on Albert Lea Seed's Viking Alfalfa varieties stands for high digestibility. With Viking HD varieties, cows get more nutrition out of every mouthful. Better yet, the producer doesn't have to sacrifice yield for digestibility. The Quality Over Time chart shows that when results of all the HD varieties were averaged, their milk-per-acre yields exceeded the competition. That competition consisted of alfalfa varieties generally considered to be among the best in the industry. So, when you see HD on a Viking alfalfa variety, it's going to be first-in-class for milk-per-acre production. Simply put, Viking HD alfalfa varieties are as good as it gets for a dairy producer.

Viking 372HDBrand - Yield



It gets better

Big yields are great, but the total package gets even better when your alfalfa is available at an extremely attractive price—a very important factor in today's tight margin economic environment. That is the case for Viking 372HD.

Viking 372HD is the highest yielding

alfalfa in the Albert Lea Seed lineup. It has excellent forage quality, even in late harvest. With a very fast recovery time, 372HD is ideal for four- or five-cut systems.

For more information on Viking HD alfalfa, call Albert Lea Seed at 800-352-5247.



Dyna-Cure Advanced Hay Conditioner

One of the challenges of today's baled hay producer is leaf retention. Leaf retention drives many of the factors that determine profitability. Today's agriculture society allows for many advanced tools for planting, growing, watering, fertilizing and harvesting to maximize gross receipts. The finer points of the harvest process are what "fine tunes" the bottom line.

One way to overcome leaf shatter during raking and baling was to bale at higher moisture levels. But, baling at higher moistures most often means baling stem moisture. Baling stem moisture puts you at risk of a

stack loss and also can put you into a compromising position with buyers. Today's buyers won't pay for water. They especially won't pay for a stack that has the risk of spoiling or burning.

For the last 20 years, producers have utilized Dyna-Cure Advanced Hay Conditioner as a tool for managing their crop. Applied at the windrower, Dyna-Cure goes to work on the hay in the windrow. The product is absorbed systemically while the plant continues to respire in the row several hours after cutting.

Results have shown that the raking process can be extended due to the

reduction in leaf shatter so, less leaf dust behind the rakes. The baling window can be expanded due to softness of the plant product. Bale density can be largely affected by the amount of leaves captured. Without increasing the pressures on the bailer or the moisture level of the hay, you will realize higher bale densities due to the tighter compaction of dry matter in the bale. Baling valuable leaf material instead of leaving it in the field is one way for producers to help "fine-tune" their bottom line.

For complete details of the Dyna-Cure process please see our web-site, www.keyag.com.





DYNA-CURE

To capture a premium in today's market, use Dyna-Cure Advanced Hay Conditioner for more leaf retention and more weight in the bale.

Premium • High Quality • Hay

Proudly made in the USA by:



1.800.388.3659 info@keyag.com
www.dyna-cure.com




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



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

Ron'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 seedbed 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 605-350-2112; E-mail 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

or call **(605) 350-2112**

email: info@ronsmfg.com

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

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. 



www.nokianheavytyres.com



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

Miracles of Balanced Plant Nutrition

Rising Costs, Falling Commodity Prices and Reduced Availability of Farm Loans Demand Smarter Farming Practices With Higher and More Efficient Production Per Acre.

Noel Garcia, CCA Technical Director, Texas Plant & Soil Lab

Typically, most growers have post-harvest or early spring soil tests performed then apply pre-plant fertilizer based upon the recommendations of the soil report and assume that the one application will pretty much supply the crop's nutritional requirements for the remainder of the season with perhaps supplementing Nitrogen sometime mid-season.

There are several problems with this approach:

1. Much can happen to your fertilizer after it hits the ground to make it unavailable to the crop:
 - A. Your native soil chemistry can rapidly tie-up fertilizer components into chemical compounds which the plant can't absorb.
 - B. Irrigation water high in mineral salts not only changes your soil's chemistry and damages its structure, but it also neutralizes plant-absorbability of many fertilizers by changing their chemistries into plant-unavailable compounds. Water quality is really critical in spray mixes or fertigation.
- "What's In Your Water Becomes Part Of Your Soil."***
- C. Chemical interactions between the fertilizer components themselves can render them unavailable to the plant.
- D. Loss due to the weather – leaching due to heavy rain, high soil temperatures, etc.
- E. Volatilization of Nitrogen into the atmosphere – especially true when next year's N is applied in the Fall.

The pre-season soil test provides a starting point for determining what the soil needs to get the crop off to a good start. The soil may have several issues that need to be dealt with in a coordinated manner to ensure the critical early part of the growing season is managed for the best results. But after that...

2. Nutritional demands of many crops vary widely throughout the growing season. ***The wrong fertilizer in the wrong form applied in the wrong place in the wrong amounts at the wrong time is simply wasted – along with your money*** – often leaching into nearby waterways.

But worse – your crop ends up being malnourished resulting in yields and quality often far below your crop's potential.

And even worse, crop malnourishment results in a stressed crop, making it vulnerable to diseases and insects (requiring insecticides and fungicides) – and requiring more water, making it more susceptible to drought and heat – and to hail damage and to cold (late frosts). "Nature always eats the weakest with bugs and disease." ***So, you end up spending a whole lot more to get a lot less.***

3. Popular soil testing methods used today (Mehlich III and others) by most labs extract nutrient compounds that are both plant-available and unavailable to be interpreted for subsequent recommendations to you.

(Sidebar: Reports on some soils often show Phosphorus, Potassium, Calcium or Magnesium as being consistently adequate or high, year-after-year. *How can that be?*)

Most of those soil nutrients that are not lost due to the weather are either absorbed by the crop or are converted to plant-unavailable compounds by native soil chemistry or chemical reactions between themselves. Calcareous soils, particularly, are very efficient in tying-up most nutrients, making them water-insoluble and not immediately available to the plant. Accordingly, these insoluble compounds can build up in the soil over time.

By including at least some of these plant-unavailable compounds in the laboratory analyses, the proportions of what is, and what is not, available to the plant cannot be measured with the popular extraction methods.

This means that the lab has to estimate (guess) what is actually available to your crop, based upon its experience with your soil and render fertilization recommendations often based upon crop nutrition standards published in the early 1950s.

Because interpreting the analysis numbers from the soil testing methods used by most labs is highly-dependent upon the many variations in soil types its clients may have, it is not generally practical for the lab to attempt to calibrate lab numbers against actual plant uptake as can be done using an extraction method that duplicates the way plant roots take up nutrients in any soil.

And the problem with relying on 60+ year-old standards is that they do not reflect new varieties, new discoveries in plant nutrition and deteriorated soil quality (especially high soil salts, low organic matter content and collapsed structure).

All this explains why your soil test reports give you pretty much the same results and recommendations, year-after-year – even as your yields and quality stay flat or decline while your costs go up.

Balanced and Complete Plant Nutrition Goes Way Beyond N-P-K

About 18 elements have been identified so far as being necessary to plants – the number of which depends upon the plant. It has been only fairly recently that the importance of micronutrients (Iron, Copper, Zinc and Manganese) to plant health and quality started being promoted – and a few trace elements have been known for a while to be necessary for certain crops or their consumers. With ongoing research,

discoveries are being made regularly about the importance of heretofore ignored trace elements – most recently, SILICON.

A few years back, Silicon was acknowledged as being “beneficial” to mostly small grains, as it helps prevent lodging by hardening cell walls. However, ongoing research reveals that the benefits to very many crops and soils go far beyond that:

- Insects and disease are discouraged by hard cell walls.
- Research suggests that an extremely thin physical barrier forms on root hairs, thus discouraging nematodes and disease.
- Improves nutrient uptake.
- Improves drought resistance.
- Improves soil permeability.
- Many, many other benefits – and more to be discovered.

But there's more: A nutritionally-balanced crop is much better able to withstand stresses put upon it by adverse growing conditions (cold or hot, dark or bright, wet or dry, etc., weather). And – as we've experienced in the field, *maturation time can be shortened by as much as three weeks!*

When we encounter a field with disease or insect problems, the first thing we want to know about is the complete nutritional status of the crop, especially the secondary nutrients, micronutrients and trace elements – as these problems are typically only symptoms of plant stress brought on by nutritional imbalances.

But correcting nutritional problems alone won't necessarily fix a field already in distress – especially when there is disease or crop damage. Diseased or damaged plants require some

intensive care.

A Lot More Than Just The Elements and Basic Chemistry

Biological Inoculants (microbes), sugars, hormones, humates, organic acids and more are game-changers and need to be an integral part of your season fertility program – but especially, **biological inoculants** because the populations and diversity of the native biology in many of today's soils have been decimated.

Biology – both soil and plant – **does a lot:**

- Converts plant-unavailable soil nutrients into plant-available.
- Controls soil and plant pathogens.
- Conditions soil, regenerating structure.
- Helps remediate salty soil.
- Transforms raw organic matter into humus – a material with complex physical and nutritional qualities – and releases plant-available nutrients during the process. Good levels of humus are essential for thriving plants.
- And a whole lot more...

Sugars stimulate biological activity to reduce excessive vegetative growth of plants caused by excess Nitrogen.

Hormones and Organic Acids are essential components of accelerating plant development – and are especially effective when dealing with crop damage (due to hail, etc.) and to assist in establishing crops in inclement springs.

We see many times a year, that these other things, in addition to basic nutrition, can restore a hailed-out crop within two or three weeks and very rapidly (often, in one season) turn bad fields from disasters into successes!

SCHLAGEL MFG

Price: \$4220.00

Schlager Mfg's Gopher Eliminator is built tough. A simple metering system prevents plugging. A 24" flat coultter cuts the residue and a long tunnel former makes bait easily accessible to pests. Depth is easily adjustable. The shank is 3/4" plate with a replaceable, cast point. 1-888-889-1504 www.schlager.net

Plant Tests

Plant tests provide you with “closed-loop feedback” about your crop’s nutritional condition – because you really don’t know about how much of your expensive fertilizer has been absorbed by the crop and you don’t know what its immediate needs are for eventual end-of-season success.

Plant tests are actually tissue tests from leaves, petioles (leaf stems - plant sap) or the whole plant. What leaves/petioles are taken, the stage of growth, when they are taken and the crop nutritional standards used are critical as to how lab results are interpreted and reported. The primary difference between labs is in how the lab analyses are interpreted and the recommendations rendered.

Leaf or Petiole? Very generally speaking, leaves contain the historic nutrient content of the plant. Petioles contain the nutrients flowing (plant sap) within the plant as of the moment the sample was taken. With some crops, there are only leaves.

Many farmers act only after they see visual signs of crop nutritional problems in the field.

But the problem there is, by the time problems can be actually seen with the eye, yields and quality have already been lost for the season. The best that can be done by then is damage control – to hopefully prevent further loss. And “*Hidden Hunger*” is, by definition, invisible...

Plant analysis allows you to correct nutritional problems seven to 21 days *before* they can be seen in the field. Testing is done at specific stages of crop development, ranging from every week or two for fast-growing or high-value crops to two to five times a year for others. But it is critical that your lab

reasonably knows what the nutrient content is supposed to be these days at the stage of growth when the samples are taken.

More To It Than Nitrogen

We have a number of clients who are interested only in plant Nitrogen content. Even though N-compound tests are cheap and certainly N is very important, from our perspective N-only tests are still a waste of money and effort, as there are so many more critical nutrients to be accounted for. Consider “von Liebig’s Law of the Minimum”.

Do Your Plant Test Reports Include Everything That Is Important To Your Crop?

We’ve already seen that there are a lot of nutrients required for proper and balanced plant nutrition – only a few of which have been mentioned here – much more than just N-P-K. Accordingly, for you to get a complete picture of your crop’s nutritional status, you need to know about the secondary nutrients, micronutrients and trace elements. Different crops have different nutritional needs and some crops have special nutritional requirements – especially for trace elements.

Does your lab include these in its reports? Does it have plant tests for your specific crop, including its special nutritional requirements? Does your lab have the capacity to interpret the data to provide you with good recommendations?

Crop Loss: Prevention and Cure –

Very often, crop loss due to late frosts can be avoided or minimized with a correct (and inexpensive) foliar spray applied even within hours of the expected event. Hailed-out

Continued on page 24

GROFF AG LLC

The Proven Leader in Fertilizer Placement & Residue Management!

Groff Row Flex Placer — Fertilizer Application

- Heavy-duty liquid fertilizer attachment for precise placement with unmatched accuracy
- Mounting bracket pre-drilled to fit MaxEmerge, MaxEmerge 2, Kinze and White planters — also available for Case IH row units.
- Greasable hub on heavy-duty row cleaners



See our trusted lineup of products at www.GroffAg.com

GROFF AG

P.O. Box 990
Wellington, CO 80549
Toll-free: (877) 568-9816

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
www.herbrucks.com

One-Call of Wyoming

811 was established in 2007 nationwide to provide one, easy to remember number, to call before you dig. One-Call of Wyoming is a non-profit organization that administers the 811 notification center within the state of Wyoming. Any entity within the state that owns/operates any underground facilities shall, by statute, register their location and contact information with the notification center, there are few exceptions to this requirement. If a person is involved in any activity in which earth, rock or other materials on or below the ground is moved or otherwise displaced by means of hand or power tools, power equipment, explosives or other means, and includes grading, trenching, digging, ditching, auguring, tunneling, boring, plowing-in, pulling-in, ripping, scraping and pipe installing, EXCEPT TILLING OF SOIL AND GARDENING OR AGRICULTURAL PURPOSES. They must call the notification center (811) at least 2 full business days, and not more than 14 full business days, prior to beginning their excavation.

Once the notification center (811) has been contacted, the center will send out notifications to our member, operators/owners, to let them know of your intended excavation activity near their underground facilities within the next 2 to 14 business days. The members must respond to the excavator within

the 2 full business days and either clear the described dig area or mark their facilities within the described dig area in some fashion within 2 feet of the actual facility location.



PLEASE , for your safety and for the safety of the general public, and the protection of our vital underground infrastructure. CALL 811 at least 2 full business days prior to beginning, ANY excavation activity.

Submitted by One-Call of Wyoming's Administration Office
Locate Number 1-800-849-2476

Courtland Waste Handling, Inc.

Sales & Full Service of New & Used Liquid Manure Handling Equipment



Specializing in Sales and Set-Up of Semi Tanker Trailers to Transfer Manure.
6" and Hi-flow 8" Off-Loader Systems Available. We also have 40 plus Stainless
and Aluminum Tanker Trailers Available.

GEA
GEA Farm Technologies
GEA Farm Equipment
Houle

(507) 359-4230
Courtland, MN

COURTLAND
WASTE HANDLING, INC.
www.courtlandwaste.com

Roaring Fork Valley Co-op

Serving our community for more than 60 years

In 1950, local farmers and ranchers came together to form Roaring Fork Valley Co-op in Basalt, Colorado, to meet the needs of their operations. Memberships of \$25 were issued to provide capital to build the business. As Roaring Fork Valley grew, we relocated to Carbondale in two locations until the 1970s when we settled at our current location.

We are a diversified co-op, offering products and services not only for local ranchers, but also commercial and residential customers, hobby farmers, horse lovers, gardeners, outdoor enthusiasts and more. You don't need to be a member to shop at Roaring Fork Valley Co-op, but a \$25 lifetime membership entitles you to patronage dividends at the end of our fiscal year. 



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 alternative 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 ma-

chinery 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. 

Aeroswint Trailers

Leading the Way for Over 20 Years

Aeroswint 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 (or call 1-888-883-3269). We look forward to welcoming you into our family. 



ROARING FORK VALLEY
COOP



Farm and Ranch – Livestock, Equine & Poultry Equipment,
Fencing, Animal Health • Fertilizer & Seed • Tack Supplies
Apparel – Columbia, Carhartt, Wrangler, Cinch, Ariat, Panhandle
Boots – Carolina, Justin, Wolverine
Hardware & Tools • Lawn & Garden • Feed & Pet Department
Bulk Fuel & Propane Delivery
Roaring Fork Valley Coop, 0760 Hwy. 133, Carbondale, CO
1-970-963-2220 • roaringforkvalleycoop.com

WHAT ARE PORT-A-HUTS?

*Portable all steel shelters
that can be used for:*

Calf Huts, Farrowing Huts,
Small Machinery, Cows,
Wood Shed, Lambing,
Goats, Horses, ATV
Shelter, Chickens,
Garage, Llamas,
Alpacas, Sheep,
Dogs, Lawn &
Garden Equipment or



Larger shelter include
wood 4x4 skids
2 man setup

*Just about anything
that needs covered*

Approximate sizes of this
style hut are 8', 10', 12', and
14' wide and any length in 7'
increments. Partial and
full front closures
available for most sizes.



Approximate sizes of this style hut are
4'6" wide x 3'10" high x 7'6" long or 6'
wide x 4'6" high x 7' or 11' length.

For more information Call Today

P.O. Box 369 Storm Lake, IA 50588

800-882-4884

www.port-a-hut.com



AGRIfinancial Services

A Division of **CGB** 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

**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.aeroswin.net

888-883-3269

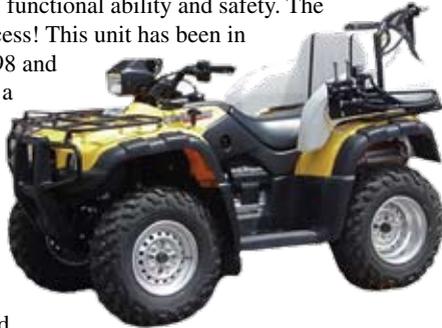
**...And You Need A
Trailer That Works
Harder Than You Do.**

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 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.

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



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.





MONTANA FARMERS UNION

- Providing youth & adult education & scholarships
- Working legislatively for Montana's family farmers, ranchers and rural communities
- Supporting producer-owned co-ops

Your Family Resource for Agriculture

PO Box 2447, Great Falls, MT 59403 • 406-452-6406
www.montanafarmersunion.com

"Field-Proven, Full Strength Organic Soil Builder Works for All Agricultural Crops"

Row Crops • Field Crops • Trees • Vines



Enzymes and bacterial system. Anti-Stress and biological soil activators: as an aid to improve soil condition, reduce soil erosion, increase water penetration, increase plant uptake of fertilizers and nutrients. Relieve moisture and plant stress.

- **PENA*TRON** is an acid to activate and supply essential nutrients by activating microorganism metabolism.
- **PENA*TRON** is an acid to accelerate seed germination and increase plant population. Root penetration is deeper, developing a stronger tap root and later feeder roots.
- **PENA*TRON** is an aid to help all types retain more water by breaking the surface tension of the water and soil, allowing greater water penetration per cubic foot, by retaining more moisture and allowing less water to be used per irrigation.
- **PENA*TRON** will save water - one or two irrigations per crop season.
- **PENA*TRON** enzymes and bacterial system, as an aid to detoxify the soils that have been damaged by over use of chemical can be detoxified. Time, temperature and types of soils are also factors which affect the detoxification by breaking the surface tension of the soil, allowing moisture, water, oxygen and energy to work together to balance the soil environment and produce healthy and high yielding plants.

Full Strength Frost & Freeze Protection For All Agricultural Crops

Row Crops • Field Crops • Trees • Vines



non-toxic • organic • completely safe
non-polluting • biodegradable

- ★ Protects apples, pears, etc., buds, blooms, fruit and other crops subject to freezing temperatures of frost
- ★ Field proven as a cost effective micro-thin protein pro polymer coating
- ★ Full strength protection from frost on deciduous fruits & vegetables & other row crops

"Field Proven, Full Strength Organic Drip Irrigation Cleaner for All Agricultural Crops"

Row Crops • Field Crops • Trees • Vines

FOR DRIP IRRIGATION SYSTEMS, ORGANIC CLEANER AND MAINTAINER ELIMINATES ALL MINERAL DEPOSITS



- ★ Clean and lubricate drip irrigation systems
- ★ Free drip tubing emitters of all mineral deposits
- ★ Reduce costly emitter replacement
- ★ A proven drip irrigation cleaner & maintainer
- ★ Balance pH, breaking-up calcium carbonates, alkaline-salts & toxic chemicals in the soil and water



Call Toll Free: (800) 775-6123
www.mazzeeorganics.com

Las Vegas, NV

Call for a free sample do your own test: seeing is believing.

Experienced agricultural representatives wanted.

Missouri Hay Tarps Poised For the Future

Missouri Hay Tarps has been protecting and covering round and square hay bales

under the principles of which it was built, offering a quality product at a reasonable price, backed by exceptional service.



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.

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

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

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 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



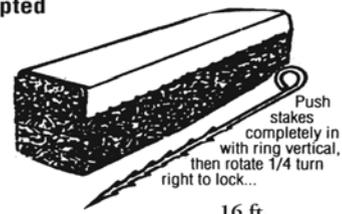
All major credit cards accepted
Free Shipping

**Self-Locking
Hay Stake**

Sells for 95 cents each.

Additional
Sizes
Available

16 ft. wide
(large bales 18 ft.)



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

800-514-0258
www.mohaytarps.com

Natural Insecto Products

INSECTO is an insecticide alternative to chemical poisons 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
 E-mail: insecto7@earthlink.net

PARSONS DRILLING INC

P.O. Box 1265 • Fallon, NV 89406

(775) 867-3009

- REVERSE CIRCULATION DRILLING
- LINE SHAFT TURBINE PUMPS
- COLUMN PIPE, OIL TUBE AND SHAFT
- SUBMERSIBLE PUMPS AND MOTORS

Test Pumping • Well Cleaning and Brushing
 6 to 16 inch • Yield Test

Drill Rig
 Cooper 3000
 60 Foot Derrick
 150,000 lb. Draw Works
 17.5 Rotary Table
 will handle 50 foot casing

Crane Truck
 28,000 lb. Capacity
 80 Feet Reach

Can pull pumps
 through roof of
 pump house.

**Call about pricing for drilling
 Pumps, Repair, all makes and models
 Well cleaning and repairs**

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 • insecto7@earthlink.net

Pretty Good Twine

Colorbale – Right Over the Edge

NEW – 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.

polyethylene fabric (16 Mil thickness), silver/black fabric to reflect the sun, and includes tie down system with buckle assembly.



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

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 degradation. 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 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 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 or visit www.prettygoodtwine.com

RIGHT OVER THE EDGE

NEW



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

Premium Agricultural Products from:



PRETTY
GOOD
TWINE

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

800.552.3295 www.prettygoodtwine.com

Kansas farmer goes nearly a decade without rained on alfalfa.

In the commercial hay industry, producers have searched for years to find a way to put up high quality hay in large square bales. Larry Matlack of Burrton, Kansas knows all too well the trials of making quality hay, he and his sons have raised alfalfa in south central Kansas for 25 years.



"In all that time," Matlack says. "We've seen a lot of producers leave the hay business in pursuit of other crops, the largest contributor to that is weather."

In 1999, Matlack decided to find a way to beat mother nature. He had seen farmers in the eastern United States wrapping big round bales, and decided that he could do the same with his big squares.

In an agreement with Tube-Line Mfg. of Canada, the Stinger Cube-Line wrapper was born. Able to wrap bales eight feet long in a stack that's up to nine feet high, this large commercial wrapper set a new standard for the haying industry.

"I started out using it as an insurance policy," Matlack says. "If the rain was coming, I just baled it, and wrapped it. It didn't matter if the alfalfa was 20% or 60% moisture, the point was to save the quality, and get the irrigation system back on for the next cutting."

The unexpected surprise came when Matlack discovered that dairymen preferred high moisture baleage over high quality dry hay.

"We decided we'd put up each cutting as baleage, and turn that 40% of our crop that used to go to grinding hay, into dairy hay."

For eight years now, Matlack's downed hay has not been rained on

once. Not only that, but by getting the water back on, most years he has gained a 6th cutting.

"It gives you an upper hand," Matlack explains, "With the Cube-Line wrapper we can bale in as little as 11 hours after swathing."

The new 2014 Stinger Cube-Line

wrapper lists for \$56,000.

"It's really something to think about, Larry explains, we're down to 350 acres of hay, and the wrapper makes us on average \$50,000 more profit each season."

For more information call 1-800-530-5304 or go to WWW.STINGERLTD.COM

SPEED, DEPENDABILITY, VALUE, DURABILITY

MOVE MORE BALES AT LESS COST THAN ANY OTHER BALE WAGON IN THE WORLD!

WWW.STINGERLTD.COM

STINGER INC.

800-530-5304

CLARKS AG SUPPLY

EASILOAD Seed Systems

308-548-2555

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
- ESTART HONDA MOTORS
- POWDER COAT PAINT
- FABRICATED BY CERTIFIED WELDERS
- REACHES ANY PLANTER OR DRILL
- TALC APPLICATOR READY
- PATENTED EASIOLOC LOCK DOWN

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

Nic or Tom at Clarks Ag Supply

866-246-2588



**REVEAL
4-N-1**

The ultimate arena and ground prep tool
**Horse Arenas • Waterways • Grading & Leveling
 Driveways • Erosion Repair • Agricultural
 Ballfield Maintenance**

**REVEAL
4-N-1** *the Original...
 Still the Best*
www.REVEAL4-N-1.com
 937-444-2609 • Mt. Orab, OH 45154

The REVEAL 4-N-1 is the ultimate arena and ground prep tool.

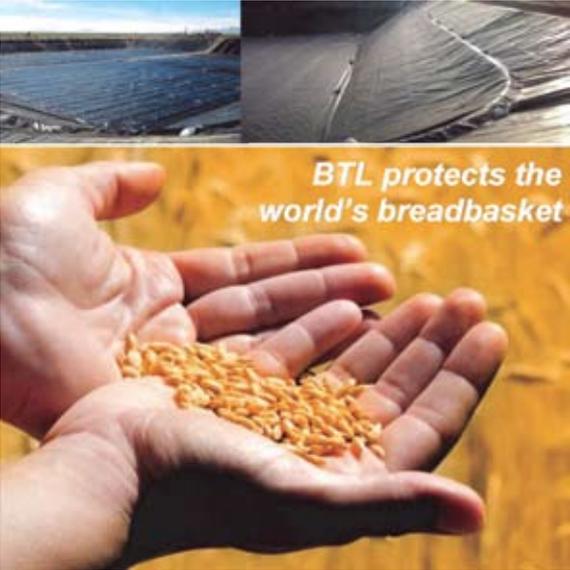
The REVEAL 4-N-1 is a rugged, hard-working tool designed to make ground preparation and maintenance easier and less time consuming. The unit is made in different sizes to fit your needs. It has a versatile three-point hitch hook up. The front chisel plows are adjusted hydraulically to dig 0-7.5 inches. The channel iron beams are designed at angles to move material for leveling and to allow you to get at those hard to reach areas. The harrow beam can be adjusted hydraulically separate from the chisel plows to a depth of 3 1/2 inches to break up material, as well as aerate it. The roller works in conjunction with the harrow beam; to further pulverize and firm down the material. All of these functions can be done at the same time from the comfort of your tractor seat. (Additional features are available.) Ground is just made of dirt, but great footing is made by the REVEAL 4-N-1. Don't be fooled by imitators, go with the original, still the best, the REVEAL 4-N-1.

The REVEAL 4-N-1 is the only tool endorsed by the NBHA and the ANHA.

Call 937-444-2609 for more information or visit us at www.reveal4-n-1.com



AGRICULTURE CONTAINMENT SOLUTIONS



BTL protects the world's breadbasket

541.447.0712 www.btliners.com 800.280.0712

BTL
 LINERS
 GEOMEMBRANE SYSTEMS
 CONTAIN • COVER • CONSERVE

Miracles of Balanced Plant Nutrition

Continued from page 14

crops can also often be quickly recovered with foliar sprays of hormones, sugars, microbial inoculants, amino acids, micro-nutrients, trace elements and other things.

Comprehensive Plant Tests Are The Cornerstone...

...for maximizing your crop's potential under the prevailing growing conditions and solving serious crop problems – especially when there are diseases and insects. Your lab should be able to provide you with recommendations for each stage of plant development for a successful season-long crop nutrition program. Providing your crop with balanced nutrition throughout the season is the biggest factor in field performance – and your bottom-line!

What To Take Away From This Article:

- If your lab's soil reports and recommendations are pretty much the same, year-after-year, there's something wrong, someplace.
- If you follow your lab's plant test recommendations and things haven't much improved, there's something wrong, someplace.
- If your fields have disease or insect problems, there's something wrong, someplace.
- If your yields and quality are flat, mediocre or are generally declining and you're not doing very well, there's something wrong, someplace.
- If the quality of your soil isn't improving with each year, there's something wrong, someplace.
- The Devil is always in the details – especially the smallest ones.



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, or call 888-952-3624.



Over 50 Years of Selling Farms!

My sister and I are owners and operators of a 700 acre Central NY crop and grain operation. Along with a growing black angus cow/calf operation. Whether you are buying or selling we know farms. We offer a specialized service devoted strictly to Agriculture.

607-316-3758 – David C. Posson
Email: davidposson@gmail.com
607-316-6597 – Kara L. Reed



**IF YOU'RE NOT HAPPY
WITH THE RIDE OF YOUR
TRACK TRACTOR....
WE CAN FIX THAT**

**Kits in stock for Quad Track
and all 8000 Series John Deere
New Units Now Available
For 9020T and 9030T Series
Versatile Kits now available on small
and large frame wheel tractors
Delta Trac kits available
Call for more information:
AIR RIDE TECHNOLOGIES
KEITH BROWN
308-946-2420
WWW.AIRRIDECAB.COM**

** US patent # 7950726
Other patents pending

equipment



Photo courtesy of Case IH.

MUV-ALL LOWBED TRAILERS

(888)515-1070

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



2012 MUV-ALL DOUBLE DROP al08ii
53' with pull-outs to 13', Winch, Convert Deck, 22'3" Well, 12' Folding Hydraulic, Stk. #: 477438. \$41,000

Call For Dealer Opportunities



2017 MUV-ALL 5370HDG
ak18sl

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

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



2013 MUV-ALL 5370HDG
am93bq

Hydraulic Detachable Gooseneck, 96" wide with pull-outs to 12'6", Tri-Axle, 30'4" Belly, Self Contained, Lift on 3rd Stk. #: 477490. \$55,000

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.



Dealer Inquires Welcome!

866-592-3806 www.hfffabricating.com rick@hfffabricating.com

Look Ma – No Wires!

Wireless Grain Temperature Monitoring

Technology 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. 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 or 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

Convey-All Industries

Industrial Capacity Seed Tenders

Convey-All Industries offers an extensive line of Bulk Seed Tenders and Commercial Seed Tenders. From the smallest model which mounts 2 Pro Boxes to our largest 40' Commercial model that holds 1190 bushels, Convey-All has the right Seed Tender for your planting and seeding needs.



Convey-All is known as a pioneer in the area of design and operation of seed handling and movement of fragile and sensi-

tive commodities. With 5 models of smaller bulk tenders (BTS) and 7 models of Commercial size units (CST) we can help you move those fragile products no matter the size of your farm or operation. In addition to all of our models being designed for the spring seeding season, several of our units can also be used during harvest to help get your crop into storage quickly and efficiently. Our newly re-designed rear folding conveyor on the CST models gives you the convenience of simply sliding the conveyor to the side to allow the slave conveyor to unload commodities for fall storage. When you consider the value added of using the CST models for spring and harvest you realize a much higher direct return on investment.

Full remote control and scale systems are optional and can be incorporated on virtually all models of tender we offer. We offer only belt conveyors on our tenders to ensure that you are getting the most gentle and careful movement of your product.

We know that every cracked kernel is one that won't germinate. You can't afford to work with anything less than our time proven conveyor systems to load and unload your tender. With excellent conveyor unloading times you'll spend less time loading and more time getting the seed into the ground.

Contact us to get more information on Convey-All Seed Tenders. 1-800-418-9461 or info@convey-all.com



CONVEY-ALL INDUSTRIES INC.



Dealer Enquiries Welcome



Looking for reliable equipment for your agri-business?

Check out our extensive line of Portable Belt Conveyors.

We also produce an large array of Commercial and Standard Seed Tenders.

Our products are produced in North America with North American made components.

Contact your local dealer, ask them about CONVEY-ALL!

1.800.418.9461 convey-all.com

WWW.LARSENLIGHTS.COM

**Low Cost HID & LED Lights
LED & HID Bulb Conversion Kits
Camera Systems, Wired & Wireless
Connectors & Connector Kits
LED Beacons & Warning Lights.**



LED **Halogen**



Phone: 218-770-6411 e-mail: info@larsenlights.com

WWW.LARSENLIGHTS.COM

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.

QUALITY PARTS-DISCOUNT PRICED

MAIZE CORPORATION
The Big Bale Specialist

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



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

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

- Accumulator Parts
- Knottor Blowers
- Tires
- 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



Your headquarters for New and Used Hay and Forage Equipment

Shipped The Same Day.
888-722-8710

MAIZE CORPORATION
www.maizeparts.com

MUD HOG

The Legend
Since 1976

The first and only technology of its kind, Mud Hog hydraulic rear-wheel drive systems are engineered to provide your front-wheel drive combines, cotton pickers and more with uncompromising four-wheel drive capability for increased agricultural production.

Being a major OEM Supplier with more than 100 models, Mud Hog has a custom solution for whatever you drive. Whether it's a Challenger, John Deere, Case, Gleaner, Massey Ferguson, New Holland or just about any other brand.

Thousands of equipment dealers throughout North America can install your Mud Hog rear-wheel drive system in 48 hours or less. What's more, every Mud Hog comes backed by a comprehensive warranty and a dedicated customer service team ready to go to work for you.



You probably already know that Mud Hog hydraulic rear-wheel drive systems power your equipment through wet, muddy soil conditions unlike anything else. But you might not be familiar with the many additional benefits a Mud Hog delivers in all climates – wet or dry – allowing you to:

- Harvest faster, with more speed and traction in any weather
- Enjoy increased fuel efficiency
- Reduce soil compaction and maximize crop yields
- Extend the life of your engine by helping it run cooler
- Put less strain on your hydraulic system
- Experience improved handling and steering control
- Access additional torque for steep grades
- Decrease wear on your front tires
- Minimize field tracks and ruts
- Adjust axle height and width

MUD HOG IS PROUD TO CELEBRATE 40 YEARS OF POWERING YOUR HARVEST!



World Leader in
POWERED RWD solutions
for **YOUR Combine**

40 YEARS OF
POWERING
YOUR HARVEST
DRIVING THE FUTURE OF FARMING
1976-2016

MUD HOG
the legend since 1976

www.mudhog.com
1.800.348.2474

It provides not just the ability to power through wet, muddy conditions but also:

- Faster harvest, with more speed and traction in any weather
- Increased fuel efficiency
- Reduces soil compaction and maximizes yields
- Improves steering and handling, especially when your combine is equipped with tracks
- Additional torque for steep grades
- Supplier for OEM RWD Systems

DALTON AG PRODUCTS: SIMPLE. DURABLE. AMERICAN.

Dalton Ag is a leading manufacturer of high performance fertilizer application equipment for agriculture, located in the heart of the Corn Belt in Lenox, Iowa.



Mobility Model 600 Row Crop Dry Fertilizer Spreader

Founded in 1996 by local entrepreneur Dick Dalton, the company operated as Dalton Ag Products until 2007 when it was purchased by Robert Cox and became Cox Manufacturing. In 2014, the company was purchased by Dexter Apache Holdings, Inc., and once again became Dalton Ag. Today, it is one of six businesses that comprise the Dexter Apache Holdings group, one of the nation's foremost ESOP companies, and is 100% employee-owned. The Company offers a wide range of fertilizer application equipment under two brands: Dalton and Mobility.

The Dalton product line consists of toolbars and liquid applicators for in-ground injection of anhydrous ammonia and liquid nitrogen, plus the associated wagons, tanks, nurse trailers and row units. These products are designed for commercial row crop producers and have working widths of up to 60 feet. Dalton toolbars have industry leading wing down-flex for consistent depth on uneven ground, greaseless pivot points, and are available with 6"x 6" steel tube frames for additional strength in difficult soils. Dalton products are available in a number of colors to match the customer's fleet, including blue, red, green and black.

The Mobility line, with its distinctive white and black livery, is designed for the spreading of dry material such as fertilizer and lime before, during and after the growing season. The spreaders come in either row crop or tandem walking axle models, and have weight capacities of up to 12 tons.

"What sets us apart from other brands is our flexibility in design and fabrication" says Mike Hilderbrand, President of Dalton Ag, Inc. "We are capable of customizing our prod-

ucts, particularly toolbars, to fit the requirements of specific customers and applications."

Last year, Dalton Ag completed a 32,000 s.f. addition to its Lenox plant, including a state of the art powder coat paint system. "The difference between the powder coat and the old liquid paint is like night and day," said Hilderbrand. "Because there is no cure time required for powder, our manufacturing cycle time has been reduced significantly. And it looks great, too!"

Dalton Ag has built a solid reputation on designing and fabricating farm equipment that is simple, durable and American. Dalton and Mobility are both names that farmers and dealers can count on.

For more information, contact Dalton Ag at 1-800-342-7498, email office@daltonag.com, or visit www.daltonag.com. 

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

Hundreds 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.

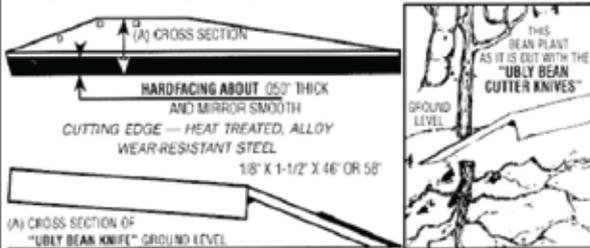
For more information, please call 1-888-723-3244 or visit our website at www.ublybean.com 

NOTICE **BEAN GROWERS** NOTICE

GET YOUR

~~Advant~~ **EDGE**

WHEN YOU USE
UBLY BEAN KNIVES



- * 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

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

SIMPLE. DURABLE. AMERICAN.

Visit your local Dalton Ag dealer



Dalton 
 AG PRODUCTS

FERTILIZER APPLICATION EQUIPMENT

www.DaltonAg.com 800.342.7498 Lenox, Iowa 100% Employee Owned

livestock



Photo courtesy of USDA NRCS.

Best Mixing. Best Ingredients. Best Performing.



Calf Milk Replacer



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
\$5 OFF a 25 lb bag of Duralife® Calf Milk Replacer and/or
\$5 OFF a 25 lb bag of NutraStart® 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 July 1, 2017

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 law. 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, N 7364 15th Ave., New Lisbon, WI 53950 (post mark by December 31, 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: _____



“Catcher” Makes Calf Work Easier

If you own an ATV or UTV and have cattle, Dan Leo has an attachment to make working with young calves safer and easier.



One person can now easily and safely process calves with Leo's Safety Zone Calf Catcher.

“Safety is the number one goal of our durably built and user-friendly catchers,” says Leo, president of Safety Zone Calf Catchers. “The traditional way to tag and process calves can be dangerous and often takes more than one person to do the job. With our calf catcher it’s easier on the producer, the cow

and the calf. One person, who can operate an ATV or UTV, can safely work calves.”

The calf catcher is a durably constructed steel cage that mounts with ball hitches on the front and back. It works well in all types of terrains and conditions. With the front gate locked open, the driver approaches the calf and captures it in the cage by shutting the spring-loaded gate. The producer enters the pen through the open side by stepping from the ATV or UTV and moves the calf to the rear holding area where he can tag, vaccinate, weigh and even band the babies while protected from the mother cow. When finished the producer releases the calf out the back to its mother.

“Traditionally, producers have to get to the calves early after birth otherwise it can be difficult to catch and even hang on to them, and then it can require two or more people depending on the protective behavior of the mother cow while the processing takes place,” Leo notes. “With our calf catcher unit, one person can catch calves, even if they are a week or older when they have plenty of run in them. Another benefit is the calf holder located at the back of the catcher. It not only secures the calf for processing, but works very well for pairing out, as the cow can see and smell her baby and will then easily follow to another pasture or calving barn in inclement weather. Cows will follow the calf virtually anywhere!”



A Cowman's Best Friend at Calving Time!



ATV and UTV Compatible!



Now available with a digital scale!

Easy and Safe Catching!



Safe Processing!

Jim Strand, CA

“We really like our catcher extremely well. It will cover any type of ground, and I especially like the wide, front gate as it makes it very easy to catch the older calves. The calf holder platform is a really good feature.”

Craig Oceanek, WY

“Our catcher is AWESOME! We have lots of wild range cattle, and we calve on rough ground. It is very valuable for a one person outfit, and it is a tool that I would not be without.”

Designed for Processing Safety...

- Enables quick and safe calf catching!
- Convenient, step in access of producer!
- Holder secures calf for easy processing!
- User-friendly inside release of calf to cow.
- Move calves easier with cow following!
- Less cow stress, mother can see and smell calf!
- Reduces danger while working new calves!
- Quick Mount/Dismount on both ATV & UTVs!

ONE PERSON can now SAFELY and EASILY process calves without concern of the protective mother cow!



Watch action video at

www.SafetyZoneCalfCatchers.com

To order, call 877-505-0914 today!

The ATV catchers sell for \$2,095 plus freight shipping. Catchers designed for UTVs are an additional \$450. Other options available include a waterproof, digital scale - especially beneficial to seedstock producers and a tow hitch that aids long distance moving.



The company sells directly to cattlemen but welcomes dealership inquiries.

“Built in both Nebraska and South Dakota plants, the calf catcher will last for generations, Sales have stretched across the U.S. with exports to Canada, Australia and France.” Leo adds.

To see it in action, check out the video on the company’s website.

Contact: Safety Zone Calf Catchers, LLC, 1146 7th Ave, Dannebrog, Neb. 68831 Phone: (877)505-0914; www.safetzonecalfcatchers.com

BOXCAR LIVESTOCK TRAILERS BY RANCHERS – FOR RANCHERS

Specializing in 48' and 53' ground loads, Boxcar livestock trailers are designed by ranchers with experience in the harsh northern climates of Alberta, Canada.

With an emphasis on quality manufacturing, our trailers are engineered to ensure safety of the producer as well as livestock. Designed to minimize rust traps, powder coated with an industry-leading product, and textured and hardened floor and wall, our trailers are truly superior quality and built to last.

*Now take advantage of a 30% savings
with the low Canadian dollar!*



403-333-5611

www.BoxcarTrailers.com

Great Products Built to Last from Feed Train

NEW UTV FEEDER

600 lb capacity



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

for additional information visit **www.feedtrain.com**

Bulk Bins ■ Creep Feeders ■ Seed Tenders ■ Feed Bunks

Rawhide Portable Corral's NEW PROCESSOR

Rawhide 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 or call 785-263-3436.





The First Hydraulic Corral and still the Largest!



3 SIZES AVAILABLE!

NEW!



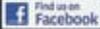
Rawhide Processor by John McDonald

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

RAWHIDE PORTABLE CORRAL

900 N. WASHINGTON ST. • ABILENE, KS 67410 • 785.263.3436

www.rawhideportablecorral.com



SURVEY ABOUT COW BRUSHES – NOV. 2013

“SCHURR was the best.”

top agrar - Germany's well-known agriculture magazine

Make sure that it's Schurr

- Highest, most selective cow-comfort
- Cleans all parts of the body
- Best body adaption - large area brush massage
- Long-lasting brush material made of 100% nylon
- Suitable for indoor and outdoor installation

BRUSHES

- High grade, non-kink nylon material
- Long service life



DEALERS WANTED!

H&E Innovations LLC

www.thefleckviehguy.com

E-Mail: fleckviehguy@gmail.com

(715)743-2937

W5577 Todd Rd • Neillsville, WI 54456

American Agra Curtains Inc.

The Original Customized Insulated Curtain For Livestock Buildings

In the early eighties, virtually all of the "Farrow-to-Finish" swine confinements were single story buildings with make-shift ventilation systems constructed as the individual builder saw fit. In the attempt to improve ventilation, standardize construction, and cut costs, an automated insulated curtain system was designed.

The original multi-layered insulated curtain was developed and patented in 1984 by Carolyn Henderson, American Agra Curtain's current president. Since then, many modifications and improvements have been incorporated into our insulated curtain which is marketed under the name of Insulated MAR-CO-LITE. Most of our curtains are still on the job after seven or eight years of service.

In addition to our insulated curtains, we have many other products designed specifically for the agricultural building industry such as room and shop dividers, fan covers, bird barriers, pulleys, stainless steel cable, rope, cord, split bolts, curtain clips, and insulated curtains with no film for dairies, concrete blankets, sidewall insulation for garages, door covers for basement rooms, and crawl space covers. Installation instructions are included with all orders.

Call us at 765-564-3979 and see what we can do for you. ☞

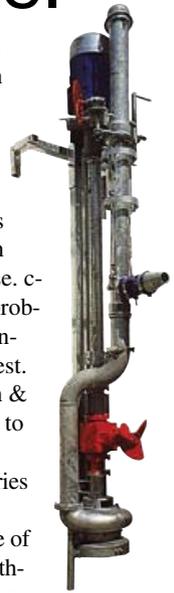
Doda USA, Inc.

DODA 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 ☞



TIRED OF BUYING NEW CURTAINS EVERY COUPLE OF YEARS?

THE ORIGINAL INSULATED CURTAIN SINCE 1983



Over 10 Years of Service!

MAR-CO-LITE

The 6 layer curtain developed for naturally ventilated livestock facilities
SWINE • DAIRY • CATTLE • POULTRY

Keep them cool in the summer and warm in the winter!

Also great for greenhouses, machine shops, concrete blankets & more

Call us today & see what we can do for you.



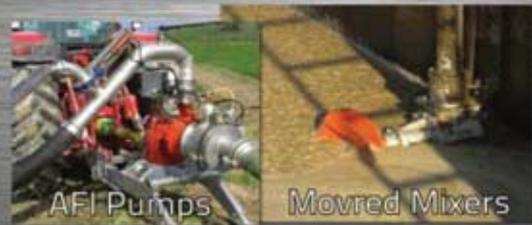
American Agra Curtains, Inc.
1124 Samuel Milroy Rd, Delphi, IN 46923
765-564-3979
www.americanagracurtains.com

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

255 16th Street South
St. James, MN 56081



USA Inc.

New Programmable Feeding System Provides Correct Levels of Nutrition to Cattle When Summoned by Audio Signal

Service Line, Inc. has developed the Hanen Automatic Solar-Powered Programmable Cattle Feeder to be the ultimate programmable feeding system designed to dispense the correct levels of nutrition to livestock, up to 6 feedings per day. Unlike a creeper feeder, the Hanen Automatic Solar Powered Programmable Cattle Feeder is powered by a battery system that is recharged by a solar panel. The feeding cycle is totally programmable and animals respond to the audio signal in an orderly fashion.

Studies have shown that a balanced diet evenly distributed throughout the day creates a calmer animal. Programmed grain rationing provides less feed for better nutritional value, but

not loss of growth. Additional benefits of solar-powered remote unattended feeding include reduced labor costs, reduced energy costs, lower wasted feed, and more free time for those long weekends.

The Hanen Automatic Solar-Powered Programmable Cattle Feeder is available in two configurations, Model LSF-10 Ten Head Feeder and Model LSF-20 Twenty Head Feeder. Manufactured in the USA, the durable feeders are constructed of heavy gauge steel and are 100% powder-coated for extreme conditions. Dave Barney, president of Service Line, Inc. says, "I am dedicated to providing controlled nutrition that result in high quality animals". The Hanen Automatic Solar-Powered Programmable Cattle Feeder is ideal for

the Cow-Calf Operations, Seed Stock Production and Small Acreage Cattle Producers.

About Service Line, Inc.

In addition to the new Hanen Automatic Solar-Powered Cattle Feeder, The Service Line, Inc. other product brands are Renegade Parts Washers in automatic or manual, top load or front load configurations for general repair and industrial production process cleaning, Renegade soaps and detergents, and full metal fabrication services. Service Line, Inc. products are manufactured in Reedsburg, Wisconsin, and are available in the U.S. and International markets. To learn more about Hanen Automatic Solar-Powered Cattle Feeders, visit www.automaticcattlefeeder.com. 



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

"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

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



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.

pbiparlor.com

PBI PARLOR SYSTEMS 43214D US 70, Portales, NM 88130
Phone: 1-800-295-5677 • Fax: 1-575-359-6810 • Email: pbiparlor@yucca.net

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 52 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' x 228' x 12' 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



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

INNOVATION, QUALITY, AND SERVICE SINCE 1965

OUR PRECAST CONCRETE SOLUTIONS INCLUDE:

HOLDING TANKS UP TO 40,000 GAL.	PAN-L-BILT UNDER BARN
H BUNK	MANURE STORAGE SYSTEMS
CATTLE GUARD	BUNKER SILO WALLS
FUEL CONTAINMENT VESSELS	FENCELINE FEEDBUNK

WIESER CONCRETE

www.wieserconcrete.com Ph: 800-325-8456

kunafin
"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

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

Equine Herpes Virus Confirmed in Denton County Horse

Texas Animal Health Commission (TAHC) confirmed Equine Herpes Myeloencephalopathy (EHM), the neurologic disease linked to Equine Herpes Virus (EHV-1), in a Denton County barrel racing horse on February 21, 2017.

The horse showed signs of ataxia, loss of coordination of the muscles, and other neurologic signs consistent with EHM when evaluated by a local veterinarian. The premises is under quarantine and TAHC staff is working closely with the owner and veterinarian to implement testing protocols and biosecurity measures.

Prior to confirmation, the positive horse attended barrel racing events at the NRS Arena in Decatur, TX on February 15 and Northside Arena in Fort Worth, TX on February 14. The

TAHC has been in contact with event management and veterinarians to ensure enhanced biosecurity measures are taken on the premises and event participants are notified.

While the risk of exposure to the virus was likely low at these events, owners of horses potentially exposed are encouraged to take precautions. Exposed horses should be isolated and have their temperatures monitored twice daily for at least 14 days after last known exposure. If an exposed horse develops a fever or other signs consistent with EHM, diagnostic testing may be performed. Owners should work with their veterinary practitioner to establish appropriate monitoring and diagnostic plans for any potentially exposed horse(s).

Symptoms of EHV-1 include fever,

which is one of the most common clinical signs and often precedes the development of other signs. Respiratory signs include coughing and nasal discharge. Neurologic signs associated with EHM are highly variable, but often the hindquarters are most severely affected. Horses with EHM may appear weak and uncoordinated. Urine dribbling and loss of tail tone may also be seen. Severely affected horses may become unable to rise.

It is important to remember these signs are not specific to EHM and diagnostic testing is required to confirm EHV-1 infection. Many horses exposed to EHV-1 never develop clinical signs. If you suspect your horse has been exposed to EHV-1, contact your veterinarian.

To learn more, visit www.tahc.texas.gov.

**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
©2014 Varco Pruden Buildings is a division of BlueScope Buildings North America.

**Free-Standing Corral Panels
Make Your Life Easier!**

Built Double J Tough for Years of Service



24' and 30' Free-Standing Panels – 5'8" High
NEW! 2-3/8" All-Pipe Free-Standing Panel
New! 6' 6" Buffalo Panels, 8' Elk Panels



25' Free-Standing Windbreak Panels – 7'6" High
Gates, Feeder Panels, Bale Feeders, Feed Bunks,
Double and Single Working Alleys
DELIVERY AVAILABLE

Double J Mfg & Repair, Inc.
701-485-3511
www.DoubleJMfg.com

Chandler Herefords

Celebrating 128 Years In The Hereford Cattle Business

Chandler Herefords has been in the cattle business for well over a century. Six generations of great cattlemen have been involved in managing the operation.



Our conservative approach to raising breeding stock has been very successful over time. We believe that profitable

cattle must “do more with less” especially in these times of ever increasing cost of production. Our mature cows consume grass or grass hay for nutritional input while raising powerful calves and maintaining the ability to get pregnant. Unlike many of our competitors, we know which of our animals are efficient because we are managed with this in mind. We are using several new and popular sires to enhance our gene pool and we can trace our cow family lines back for over a century. Our website: www.chandlerherefords.com highlights our program and the sires we are using in detail so feel free to visit and sign our guest book.

With all this past performance history from thousands of registered calves raised here, we know what our cattle are capable of. We have sold cattle to customers in nearly every state in the union. Their feed efficiency and fertility is really evident when they are asked to perform in less than ideal forage or environmental conditions. If you are looking for no compromise Hereford cattle with a history dating back for over a century then look no further. It is what we are all about. We have stood the test of time and we are here to stay.



Chandler Herefords

**Rock Solid Hereford Cattle
128 Years in the Business**



Supreme Champion

We are selling more bulls bred like him this year by private treaty at the ranch. We will also be back to Red Bluff in 2017.

Chan 0100 W304 2016 Red Bluff Supreme Champion

Private Treaty Bull Sale

Selling 50 bulls annually from industry leading sires. Call us today. Our bulls sell fast. Watch sale lot videos on YOUTUBE or FACEBOOK and our website www.chandlerherefords.com

Our time proven cattle flourish in less than ideal forage conditions. We sell 400 Herefords annually. You owe it to yourself to consider our cattle when it is time to update your genetics.

“Rock solid cattle from rock solid management”
Visitors are always welcome at Chandler Herefords.



www.chandlerherefords.com

Email: chandlerhereford1889@yahoo.com

Office: 541-523-2166

George: 541-403-0125

Duane: 541-403-0124

TITAN WE BUILD IT ALL.

Aluminum Stock Trailer



NEW

Avalanche Bumper



Tandem Dually Flatbed



Gooseneck Dump Trailers



DON'T FORGET TO CHECK US OUT AT WWW.TITANTRAILER.COM

Gooseneck Stock



Construction Utility Trailers



(866) 294-4514

2306 Highway 77 - Waterville, KS 66548

www.titantrailer.com

SweetPro Feeds of Walhalla, ND

SweetPro 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, "ProBiotin." 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 Associative 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 pack-

age, 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

4 Classes of Enzymes & PreBiotics
Organic Complexed Trace Minerals
Macro Minerals & Vitamins
Rumen Friendly Protein
Reduced Labor
More Pounds on Pasture
(4-10% more pounds per day)

25% BETTER FEED EFFICIENCY
NO MOLASSES!

PROBIOTIN

SweetPro.com

888-229-0475

marketplace

AGRICULTURE

MARSHALL MACHINE SHOP

MARSHALL PICKER

PICK ROCK FROM THE SEAT OF YOUR ATV!!!



- 2" coupler
- Self-contained 12v hydraulics
- Durable 10ga steel rock box w/Mesh floor
- Heavy duty, EZ-Lube hub/spindles
- Deep Cycle Battery included
- Fits 15"-22"-30" row spacings
- Machine weight – 680lbs
- Powder coat paint
- Hydraulic Dumping Rock Box



Made in the USA



Watch Video!



Dealer inquires welcome

866-262-4418

www.marshallmachineshop.com

AGRICULTURE

UNITEDPOWER

Your Touchstone Energy® Cooperative

24-Hour Emergency Dispatch

Brighton • Ft. Lupton • Coal Creek

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

www.unitedpower.com

CUSTOM HARVESTING

Frederick Harvesting



ADVENTURE LIFE & see the Country, Frederick Harvesting is looking for a few good men for the 2017 harvest. April - Dec. Ambitious, honest individuals. Experienced in farming or harvesting. We operate 9 new JD's & Kenworth trucks.

Call 620-727-6101 or
www.FrederickHarvesting.com

CUSTOM HARVESTING

2017 HARVEST HELP WANTED APR-NOV

Truck drivers and combine operators
Peterbuilt Trucks and new combines
Room and board
Smoke-free environment
Call Shorty or Dona
(785) 462-5643
or **(785) 462-5615**

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
melschneider@gbta.net
schneiderfarmsandharvesting.com



AGRICULTURE

LOAD LINE Manufacturers of :

Grain & Gravel Truck Boxes, End Dump Grain & Gravel Trailers, Also Bottom Dump Gravel Trailers.

Truck Sales

Load Line Manufacturing, Inc.
2 1/2 mi S. of Winkler
Box 1900, Winkler, MB R6W 4B7
(204) 325-4798 Fax: (204) 325-4055
jbd@mts.net

AGRICULTURE

United Oil

"Serving Idaho Since 1939"

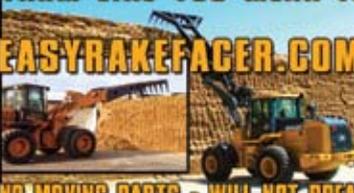
Caldwell	459-6363	Twin Falls	734-2631
Boise	343-5474	Jerome	324-2317
Fairfield	764-2205	Buhl	543-4252
Gooding	934-4935	Glenns Ferry	366-2468

www.UnitedOil.net

Premium Fuels & Lubricants for
Your Farm, Home or Business

EQUIPMENT

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
 PROTECTS FEED VALUE
 100% WASTELSS



HANSONSILO.COM
800.THE.SILO

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
 Website: www.dakotahtoyparts.com

FEEDLOTS

Schramm Feedlot, Inc.
 Custom Cattle Feeders Since 1976
 37800 Co. Rd. M, Yuma, CO 80759
 970-848-3831
 www.schrammfeedlot.net

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

Indiana Warm Floors
 Efficient for Life

935 N 275 W Suite B
 Angola, IN 46703

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
 (260) 668-8836 • 1(800) 700-8830

HAY

Dairyland Hay & Straw LLC
 Alfalfa • Mixed Hay
 Grass Hay • Wheat Straw
 Cell: 717-821-1337 • Home: 715-223-6743
 Wilmer Martin • Colby, WI

HAY & FORAGE

UDY Corporation
 Scientific Equipment

Colorado Hay Probe
 Manufactured by UDY Corporation

5 models to choose from.

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

Stainless Steel Piercing Tip
 Re-Sharpenable
 Replaceable

Removable End Cap
 Push Rod
 Blowing Tip Guard

Durable Painted Aluminum Alloy

VISA MasterCard

Colorado Hay Probe
 Popular "Push In" Design
 Model 2001-See website for pricing
www.udylene.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

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

EQUIPMENT

Hay Tarps

All Tie Downs Included
 10 Available Sizes

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

PLANTS-SEEDS

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



MICROPROPIGATED, 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 – www.jonesfarmsnc.com

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

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
800-543-2535
Since 1977

PARTS

Wellert's A.C. Parts

Specializing in Allis-Chalmers

We buy A.C. Tractors

Parts Locating Service and Repair

8922 Matty Rd. • West Salem, OH 44287

888-852-4601 • Fax: 330-264-6991

www.wellertsacparts.com

PRINTING



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

www.modernprinters.net

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

Photo courtesy of USDA NRCS.

ADVERTISERS INDEX

ADVERTISER	WEBSITE	PAGE	ADVERTISER	WEBSITE	PAGE
Aeroswint LLC	www.aeroswint.net	17	McTavish Steel Works Ltd.	www.mctavishsteelworks.com	50
Ag Professionals LLC	www.agpros.com	5	Mike's Equipment Company	www.mikesequipment.com	48
AGRIFinancial Services	www.CGB-AFS.com	17	Milk Specialties Global	www.milkspecialtiesglobal.com	35
Agri-Trac, Inc.	www.agritraction.com	40	Missouri Hay Tarps LLC	www.MoHayTarps.com	20
Albert Lea Seed	www.alseed.com	9	Modern Printers	www.modernprinters.net	48
American Agra Curtains, Inc	www.americanagracurtains.com	39	Montana Farmers Union	montanafarmersunion.com	19
Air Ride Technologies	www.airridecab.com	25	Muv-All Trailer Company	muvaltrailer.com	27
Big Tractor Parts, Inc	www.bigtractorparts.com	48	Natural Insecto Products	www.insecto.com	21
Boxcar Livestock Trailers	www.BoxcarTrailers.com	37	Nokian Tyres Inc.	www.nokianheavytyres.com	11
C & R Supply, Inc.	www.crsupply.com	18	Northern Ag Mist Sprayers	www.northernagmistsprayer.com	10
Chandler Herefords	www.chandlerherefords.com	44	One Call of Wyoming	OneCallOfWyoming.com	3
Clarks Ag Supply	www.clarksagsupply.com	23	Pacer Technology, Inc.	www.dyna-cure.com	9
Colorado Hay Probe	www.udyone.com	47	Parsons Drilling Inc.		21
Common Sense Mfg., Inc.	www.commonsensemfg.com	47	PBI Parlor Systems	pbiparlorsystems.com	41
Convey-All Industries	convey-all.com	29	Port-A-Hut	www.port-a-hut.com	17
Courtland Waste Handling, Inc.	www.courtlandwaste.com	15	Posson Realty	ww.possonrealty.net	25
Dairyland Hay & Straw LLC		47	Pretty Good Twine	www.prettygoodtwine.com	22
Dakotah Toys LTD	www.dakotahtoyparts.com	47	Rawhide Portable Corral, Inc	www.rawhideportablecorral.com	38
Dalton Ag Products	www.DaltonAg.com	33	Roaring Fork Valley Co-Op	roaringforkvalleycoop.com	17
Davey Joans		7	Ron's Manufacturing	www.ronsmfg.com	10
D.J. Reveal Inc	www.reveal4-n-1.com	24	S & S Pipe & Steel, Inc.		47
Doda USA Inc, Organic Waste Solutions	www.dodausa.com	39	Safety Zone Calf Catchers	www.SafetyZoneCalfCatchers.com	36
Double J Mfg & Repair Inc	www.DoubleJMfg.com	43	Schlagel Manufacturing Inc.	www.schlagel.net	13
E-Kay Enterprises LTD	www.e-kay.ca	7	Schneider Farms & Harvesting LLC	schneiderfarmsandharvesting.com	46
Feed Train LLC	www.feedtrain.com	37	Schramm Feedlot, Inc.	www.schrammfeedlot.net	47
Flynn Farms Clinton LTD	flynnfarms.ca	47	Seed Inc.	www.seedinc.biz	48
Frederick Harvesting	www.frederickharvesting.com	46	Sloan Express	www.sloanex.com	51
Groff Ag	www.GroffAg.com	14	Stinger Inc	www.stingerltd.com	23
H & E Innovations LLC	www.thefleckviehguy.com	38	Stray Voltage Consulting	www.strayvoltageconsulting.org	40
Hanson Silos	hansonsilo.com	47	Synthetic Resources, Inc	www.prettygoodtwine.com	22
Haybusters Tarps	haybusters.com	47	Terra Drive Systems	www.mudhog.com	31
Herbruck's Poultry Ranch, Inc	www.herbrucks.com	14	Texas Plant & Soil Lab	TexasPlantAndSoilLab.com	2
HFL Fabricating	www.hflfabricating.com	27	Titan Trailer Mfg	www.titantrailer.com	44
Indiana Warm Floors	www.indianawarmfloors.com	47	TSGC Inc	www.tsgcinc.com	28
Jones Family Farms	www.jonesfarmsnc.com	48	Ubyly Bean Knife Mfg, Inc	www.ubylybean.com	33
Kulhanek Harvesting		46	Udy Corp	www.udyone.com	47
Kunafin - The Insectary	www.kunafin.com	42	United Oil	www.UnitedOil.net	46
Larsen Lights	www.larsenlights.com	30	United Power	www.unitedpower.com	46
Latec Instruments Inc.	www.latec.on.ca	33	VP Buildings	www.vp.com	43
Load Line Manufacturing Inc.	www.loadline.ca	46	Walinga USA Inc	www.walinga.com	52
Maize Corporation	www.maizeparts.com	30	Wellert's A. C. Parts	www.wellertsacparts.com	48
Marshall Machine Shop, Inc.	www.marshallmachineshop.com	46	Wieser Concrete	www.wieserconcrete.com	42
Maz-Zee SA International	www.mazzeeorganics.com	19	Wilger Inc	www.wilger.net	9

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*

McTavish
STEELWORKS LTD.



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

WWW.MCTAVISHSTEELWORKS.COM




\$19.99
A92817 Gauge Wheel Arm Kit
Includes New Style Bushing & Hardware
Fits: JD
MaxEmerge@XP, XP Pro

Order# 110205



\$21.95
1x12 Bolt-on Closing Wheel
40mm bearing
Fits: JD, Kinze, White, Hesston

Order# 109131



\$329.00
12V/15GPM Fuel Pump
1/4hp motor
12' hose
manual nozzle

Order# 1210



\$31.00
16" Vortex Planter Coulter
5 & 6 Bolt Pattern
Fits: John Deere & Kinze

Order# 113042



\$179.99
330CA/275CCA Battery Jump Pack
50", 4 Gauge Cables
HD Clamps
w/copper jaws

Order# 475700



\$209.00
JD Tractor Buddy Seat
Replaces Armrest in 30, 40, 50, 55, 60 Series Tractors.

Order# 504315



\$859.00
Bulk Seed Box Opener
Wireless
47lbs of pull
Promotes Safety/Easability

Order# 492350



\$28.95
LED Rotating Beacon
5" diameter x 4-1/4" tall
takes (4)AA batteries
Magnetic Base

Order# 695855



\$189.00
1x12 Bolt-on Poly Spike Closing Wheel
Includes 2 complete wheels.
Fits: JD, Kinze, White, Hesston

Order# 6200-005



\$419.00
UTV Full Folding Windshield
Fits: 2003-2012 XUV 625i / 620i / 825i / 850D / 855D / HPX
4x4, 2013-2016 XUV 625i / 825i / 825i S4 / 855D / 855D S4 / HPX

Order# 2900



\$289.95
JD SoundGard Cab Roof
Replaces AR74143.
Fits 30, 40, 50, 55, 60 Series Tractors

Order# 474143



\$139.00
7x3 LED Flood Light
2200 Lumens
12/24V systems
Glass Lens
2.0 amp draw

Order# 097564



\$729.00
Sur-Lock Loader Quick Tach
Adapts 145, 146, 148, 158 John Deere Loaders to quick tach.

Order# 589000



\$26.99
7-Pin Ag to Auto Wiring adapter
Plug 7 pin Ag harness into 7 pin Automotive harness on Pickup Truck

Order# 695800



\$419.00
Unit Mount Floating Residue Mgr.
30" Rows
Fits: JD 7200, 7300, 1700, Kinze 2000, 3000, 4900. White

Order# 2967-029



\$365.00
Auger Dolly Wheel Jack
HD 5000lb Jack
18.5"x8" Pneumatic Tire
Fits: 6", 8", 10", 12", 13" Augers



\$115.00
Cab Monitor Bracket
Fits John Deere R Series Tractors
Incl: 6x9 tray

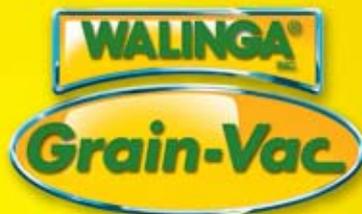
Order# 504823



\$359.00
Seed Catcher Chute
Fits: JD, Kinze, Case-IH, White
"Central Fill Planters"
Will not fit DB Series

Order# 492300

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.

WALINGA.COM

1-800-466-1197