

Western Farm, Ranch & Dairy Magazine

The vital resource of the Ag Industry

Rocky Mountain/Heartland • fall-winter edition 2012

Colorado / Iowa / Kansas / Missouri / Montana / Nebraska / North Dakota / South Dakota / Wisconsin / Wyoming

The Texas Plant & Soil Lab Story

**Pressurized Exhaust Kills
Burrowing Rodents**

Bounty Annual Ryegrass

www.FarmRanchDairy.com

FOR THE FARMER WHO WANTS QUALITY SAVES YOU MONEY!!!



**Vertical Beater Design Equals Wider, More Even Spread Pattern
Fewer Trips than Conventional Spreaders to the Same Field**



VB560 TWIN TWISTER

- Twin 34-5/8" Diameter Vertical Beaters with 15MM thick Spiral Flighting
- All Poly Box • Tires - 1600-R-20 - 10"x20" Rim
- Standard - Twin 67P11 Apron Chain
- Tractor Horse Power - 150 • Highway Light Kit Installed

OPTIONS: Scale Kit

- Flotation tires - 16 Ply
- 667 XH Pintle Apron Chain



**VB440
TWIN TWISTER**

- Twin 34-5/8" Diameter Vertical Beaters with 10MM thick Spiral Flighting
- All Poly Box
- 35R Series 540 RPM CV Torque Disconnect PTO
- Heavy Duty Hubs & Spindles - 10 Bolt 15,000 Lbs. with 3-3/8" Spindles
- Tires - 1600-R-20 - 10"x20" Rim
- Standard - Twin 67P11 Apron Chain
- Standard - Highway Light Kit Installed • Tractor Horse Power - 135

OPTIONS: Scale Kit

- Flotation tires 600/55x26.5 16 Ply
- 667 XH Pintle Apron Chain
- 1000 RPM CV Torque Disconnect P.T.O.



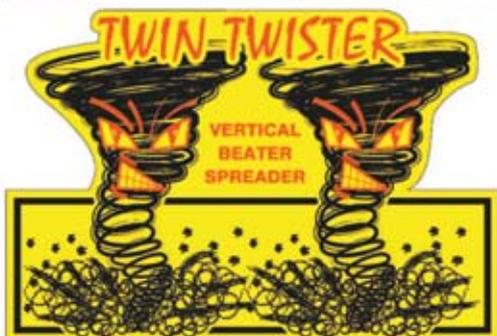
VB750 TWIN TWISTER

- Twin 39" Dia. Vertical Beaters w/15mm thick Spiral Flighting
- All Poly Box • 35R Series 1000 RPM CV PTO
- HD Hubs & Spindles-10 Bolt 15K Lbs. w/3-3/8" Spindles
- Tires - 1600-R-20 - 10"x20" Rim
- Standard - Twin 67P11 Apron Chain
- Tractor Horse Power - 175 • Highway Light Kit Installed

OPTIONS: Scale Kit

- Flotation tires - 600/55x26.5 16 Ply
- 667 XH Pintle Apron Chain

**LESS SOIL COMPACTION
LESS FUEL CONSUMPTION
LESS TIME AND LABOR**



*Manufactured
in Dorchester,
Wisconsin by:*



Phone 715.654.5200 Fax 715.654.5558
www.emcspreaders.com



WALINGA®

Walinga offers a complete line of grain handling equipment to suit your every need. Products range from; Agri-Vacs to Push Systems to Grain Cleaners. Capacities ranging from 500 bu/hr to over 7000 bu/hr.

Call: 1-800-466-1197
To Find Your Nearest Dealer

www.walinga.com





PERFORMER® & BULL FLEX® HAY TARPS

- Square and round bale tarps to fit most stacking patterns
- Stays on in heavy winds using patented "Super Cinch" tie-down system
- 3 to 5+ years of life with proper tarp installation
- UV stable – White side up to reduce heat absorption
- 40+ dealers throughout the country with inventory to serve your needs
- Delivering commercial grade products for over 30 years
- Performer Hay Tarps carry a four (4) year limited warranty
- Bull Flex Hay Tarps carry a two (2) year limited warranty



PATENTED "SUPER CINCH" TIE-DOWN SYSTEM

PREMIUM QUALITY – BUILT TO LAST



1-800-346-7744

WWW.INLANDTARP.COM



Aluminum Booms & Extensions: 800-637-7884

Email: Ron3sales@suddenlink.net

www.boydag.com • www.superspraybooms.com

FULL BOYD BOOMS

60, 80', 90', 100', 120' & 132'

Lightweight Aluminum Boyd Booms made to fit all models & built for better performance

We accommodate to custom sizes. Please Call for details.

- All American Hardware
- All hardware is highly corrosion resistant with dacromet coating
- Lower integrated tubing on the Primaries & Secondary add additional strength to the structure
- All aluminum Pivot Holes have 3/16 Stainless Steel sleeve inserts that make them more durable
- 3 Way Pivoting Breakaway System allows for dual attachment points
- Large Rod Ends at pivot pints increase the structure of the boom
- Dual lift lug plates for lift cylinders
- Extra Reinforcement Gussets help eliminate the cracking
- Extra Structural Reinforcement cross sections on all large booms (120' & 132')



132' Boyd Boom on JD 4930



120' Boyd Boom on Hagie

BOYD BOOM EXTENSIONS

Extend your John Deere Boom to 120' or 132' with Aluminum Extensions

Extensions available for other brands – Please Call for Details



- Aluminum Boom Extensions are made to extend your 90' or 100' Boom to 120' and your 120's to 132'
- The Boyd Boom Extension is placed at the 60' mark for 120's
- Replacement Hydraulic Cylinder w/ 3 1/2" bore to create a smoother performance in fold
- Built in magnet to accept JD sensor
- The connection, where the extension attaches to the John Deere, uses eccentric bushings with two set screws that are adjustable which allow leveling of outer section.
- Our breakaway, which is 8"5", has a three way breakaway; up, back and forward

More Pictures and Videos can be viewed at: www.superspraybooms.com

We have Listings for the following Used Equipment

**ROW CROP SPRAYERS • DRY AIR SPREADERS • DRY AND LIQUID BLENDERS • PULL TYPE SPREADERS
DRY SPINNER SPREADERS & CHASSIS • LIQUID FLOATERS • TENDERS • PULL TYPE SPRAYERS • USED ROOMS • MISC.**

Visit: www.boydag.com



TCU RANCH MANAGEMENT

Where the future of resource management begins

Combining over 50 years of tradition with the latest in ranching education, the TCU Ranch Management Program provides a nine-month, comprehensive education – inside and outside the classroom. Our goal is to prepare resource managers to meet the challenges of this rapidly changing, global industry.

Learn more about the application process and our many scholarship opportunities at ranch.tcu.edu or by calling 817-257-7145.



Hydra-Pull
SPREADERS
Built by PIK RITE

Providing Tomorrow's Technology Today

MODEL 1880VB
880 BUSHEL

MODEL 490VB
250 BUSHEL

MODEL 790
400 BUSHEL

MODEL 1190VB
550 BUSHEL

800-326-9763
SALES@PIKRITE.COM
WWW.PIKRITE.COM

pikrite
LEWISBURG, PA - USA

contents



PAGE 15



PAGE 22



PAGE 31



ON THE COVER

Prairie species seeded under the Conservation Reserve Program. Photo by: Jeff Vanuga, courtesy of USDA.

Have an article or photo submission? Give us a call at 1-800-330-3482 or e-mail: info@ritzfamilypublishing.com for image and file requirements. (All submissions subject to approval)

Western Farm, Ranch & Dairy Magazine

Rocky Mountain/Heartland • fall-winter edition 2012

Agriculture

Bounty Annual Ryegrass	8
Hydroscreen Taking the Trash Out Just for You!	8
Meyer's Equipment Mfg. Corp.	8
Scimetrix Offers Superior	
Pest Management Products	10
Scorpion Truck Bed Linings	10
Fertilize-Big Yields AND Low Cost	11
MagnuM Heat	12
Ron's Manufacturing	
Vertical Tillage Coulter Kit Attachment Gets Even Stronger	14
Elston Manufacturing	
From Sanders to Gopher Getters	15
The TEXAS PLANT & SOIL LAB Story	16
Pressurized Exhaust Kills Burrowing Rodents	18
Montana Seed Potatoes	20
Considerations for growth and success with Canela Russet	20
North Dakota Seed Potatoes	21

Equipment

PHASE-A-MATIC	
3 Phase Power Anywhere!	22
C&R Supply, Inc. Birth Of A Sprayer	22
The Importance Of Grain Temperature Detection	24
Boyd Ag	26
Walinga • Bulk Feed Bodies & Grain-Vacs	26
Emerson Manufacturing Corporation	
100% Built in the USA!	26
Powell Livestock Scale	
Buying scales factory direct means more money in your pocket	27
PowerLift Hydraulic Doors	28
Aeroswint Trailers	
Leading the Way for Over 20 Years	28
New Horizon Corporation • Earth-Friendly Way to Heat	28

Livestock

Diamond W Corrals introduces the portable sorting and gathering system by the original designer of the Wilson Wheel Corral.	30
The Meat Goat Handbook	31
The Driving Force of DairyRealty.com	32

Departments

Publisher Information	7
Advertiser Index	35
Marketplace	36

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

General Sales Manager

Pat Drury
pat@ritzfamilypublishing.com

Asst. Sales Manager

David Larsen
david@ritzfamilypublishing.com

Office Manager

Angie Hawkins
angie@ritzfamilypublishing.com

Secretary

Leslie Brunton
leslie@ritzfamilypublishing.com

Ritz Family Publishing, Inc.

www.ritzfamilypublishing.com

Corporate Office

Ritz Family Publishing, Inc.
714 N Main Street
Meridian, ID 83642

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 Snake River Printing, Nampa, ID

Copyright© 2012. 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.

- * 23 Beers on Tap!
 - * Domestic, Micros, Imports!
 - * Happy Hour!
- Mon.-Fri. 4-8pm,
Sunday All Day!



Located in the
Northgate Shopping Center
6928 W. State
Boise, ID 83703

309-629-9000
Calmer Corn Heads
www.calmercornheads.com

Trash Reduction Decomposition Upgrade Kits

Beveled Stripper Plates **6 Tooth Driver**

Keeps the husks and leaves on the ground!
~
Reduces butt shelling!

patented revolving open windows

Faster residue breakdown

Slower chain speeds put more residue on the ground

manual or hydraulic **CALMER BT CHOPPER** **9 Tooth Idler**

CALMER BT CHOPPER
Now Available for JD 600 and CASE-IH 2200 series
AUGUST FARM SHOWS- DAKOTAFEST/FARM PROGRESS

Bounty Annual Ryegrass

Cover crops are used to accomplish a variety of soil improvement issues. Erosion control, increasing organic matter, nitrogen fixation, increasing water infiltration, better soil structure and improving the soil micro flora, all of which aid in increasing yields thru healthier soils. Deep rooting cover crops create channels for corn and bean roots to follow, allowing water to penetrate deep into the soil profile.

Bounty Annual Ryegrass is rapidly becoming the cover-crop of choice for producers throughout the Midwest. Annual

ryegrass is easily established and can be seeded by either: aerial seeding in standing crops (preferred method), drilling, broadcasting and lightly incorporated. Bounty Annual Ryegrass will provide increased: organic matter, soil structure, water infiltration, erosion control, soybean cysts control, and significantly higher crop yields during stress years.

Bounty Annual Ryegrass not only provides excellent rooting depth that breaks through soil compaction layers to reach deep water and nutrients bringing these nutrients to the root zone of the crop, it

also has given continuous corn growers a credit of 80 lbs. per acre of nitrogen. Bounty Annual Ryegrass also leaves improved soil organic matter which improves water storage and water infiltration. Each time the soil organic matter is improved one percentage point; one acre will store 10,000 more gallons of water. Annual Ryegrass cover crops have increased water infiltration rate by 400% in three years. This along with the increase storage by the organic matter relates to increased crop yields especially during periods of drought. 

Hydroscreen Taking the Trash Out Just for You!

“Living on a farm my entire life has taught me many things. One of those is that irrigating is a time consuming job that must be done in a timely manner. Hydroscreen can help with the time. Instead of checking water every hour in some cases, we can lower that to just once or twice a day. Hydroscreen takes the trash out of the water before it gets to the field, stopping the need to clean off the tubes, gates and nozzles.

If you have a trash problem, the Hydroscreen is the machine to take care of it.

I wouldn't want to irrigate without it.”
Warren – Owner

“I have been using Hydroscreens for the past twenty-five years. I run a total of five units to remove the excess trash that we have in our river and reservoir water. I flood irrigate with siphon tubes, without the Hydroscreen this would not be possible. I would have to hire at least two additional employees, just to keep checking plugged siphon tubes. Hydroscreens area plus to my operation.” Ed Croissant

“We have been using Hydroscreen

trash catchers for many years now. I cannot imagine irrigating without them. They even work great as a pre-cleaner for our drip irrigation systems, saving us a lot of time and hassles. I look forward to more units from you in the future.”
Lynn Fagerberg – Fagerberg Produce, Ault, Colorado

- Six models to choose from.
- Custom machines also built to fit your needs.

For more information call: (970) 381-0961 

Meyer's Equipment Mfg. Corp.

The future of agricultural technology takes a large step forward with the arrival of the revolutionary Meyer's VB750 & VB560 Twin Twister Manure Spreader. The Twin Twister's unique vertical beater design creates a wider, more even spread pattern. You'll make fewer trips to the same field resulting in less soil compaction while saving you in time and money!

With over 40 years of experience in the design and development of the Meyer's product manure spreaders,

Meyer's Equipment Manufacturing



Corporation has the answer for your manure handling needs.

Meyer's EMCs extensive product line of Meyer's Heavy-Duty Spreaders are more than machinery. The Meyer's big load carrying capacity manure spreaders provide a more efficient use of your time and a better return on your equipment investment. They are an investment in the future of your business. At Meyer's Equipment Manufacturing Corp., we are committed to building a quality product at a fair price. Our Manure Spreaders are not massed produced. When you purchase a Meyer's Box Spreader you can expect quality and dependability! 



Bio Till

Supplier
of Superior
Cover Crop Seeds

saddlebutte.com

POWER LOCK



Electric Tarp Systems for Grain Trailers

- Simply press a switch
- Tighter tarp-longer tarp life
- Easily converts back to manual
- Easy installation
- Electric Conversion kit available for most manual roll tarps

Proven most durable in windy operation!

Wagon Master Roll Tarp



- Available with trussed flat bows
- Trussed bows on wider wagons
- Standard with front roll return Assy
- Heavy duty 18 oz vinyl tarp
- Industry's strongest, aluminum end caps
- Rugged, yet lightweight, steel roll pipe

Manual Systems Available Replacement Tarps Available
www.aerindustries.com
800-535-8552

Clean Up Your Water With Our Water Filtration For Irrigation Systems

3 Sizes of Water Drive machines available from 2'x8' to 3'x10'

- Maximum GPM 1500-4500 Gal/min
- Screens Choices 1/4" to 1/8" holes
- Galvanized Metal with or without Powdercoating

Mailing: 33998 WCR 37
 Shop: 34417 WCR 39 ▪ Eaton, CO 80615
 (970) 381-0961 ▪ www.hydroscreeninc.com



Scimetrics Offers Superior Pest Management Products

For years people have been trying to find a solution to their rodent problems. Whether it is for the home, the machine shed, the barn or even in the field, the safety of their family and pets has also been a concern. Scimetrics Ltd Corp is proud to offer the solution to those needs with their Kaput® line of rodent baits. Kaput® products are available for Rats, Mice, Voles, Pocket Gophers, California Ground Squirrels, Moles and in certain areas, Prairie Dogs. They are available in convenient place packs, blocks, pellets and loose grains. These cutting edge products are formulated with 1st generation anticoagulants. Using anticoagulant baits offer an antidote that other actives can not. These highly effective baits are also low risk to non-target animals. Kaput® Combo

Bait products are the only baits in the world that include an insecticide to help



control the rodents' fleas. All the Kaput product lines meet the requirements of the Environmental Protection Agency's

Risk Mitigation Decision.

Scimetrics is a family-operated business located in the foothills of Northern Colorado. The main facilities include a state-of-the-art laboratory and manufacturing plant. Scimetrics is dedicated to developing products that exceed expectations. The Kaput product line is backed by over 100 years of experience in rodent control, formulation and product development.

Kaput® products can be found in local Hardware, Farm & Ranch stores and from most Agricultural and Pest Control Distributors. Please visit their website at www.kaputproducts.com for detailed production information and instructional videos. You can also call the helpful Customer Support Line at 1.866.442.3467. 

Scorpion Truck Bed Linings

Scorpion Truck Bed Linings (www.ScorpionLiners.com) is proud to announce its 15 year anniversary on 2011. Scorpion started as a small Midwestern coatings contractor in 1996 and through the years has grown to be one of the largest manufacturers and distributors of specialty polyurethane coatings (www.ScorpionCoatings.com) in the world. Scorpion currently exports to over 30 different countries in all parts of the world, and we have registered well over 2,000 applicators in the US alone over the last decade and a half.

Scorpion has been able to experience growth in such a competitive market because it is unique. The coatings we sell are all non-hazardous, and environmentally friendly. Our application methods are highly cost effective, with the spray units costing around

\$100 as compared to the \$25,000 price tag that our competitors levy against their customers. Scorpion also does not charge any franchise fees



to its dealers, feeling that they know how to better spend their money than

the company does.

Starting in 2008, Scorpion launched its first retail brand, Al's Liner (www.AlsLiner.com). The brand uses much of the same technology as its professional system – just designed to allow a person who would rather do it themselves the ability to do so. The brand has rapidly grown since its inception, increasing sales by over 200% every year.

Scorpion latest launch is Scorpion Window Film (www.ScorpionWindowFilm.com). With this line, Scorpion has used the connections it has gained over the last fifteen years to partner with some of the largest and best known window film manufacturers in the world. The highest quality and the lowest price is an ideal that Scorpion has always chased, and the window film is no exception. 

Fertilize-Big Yields AND Low Cost

SEA MINERALS FA works as a soil fertility supplement that re-mineralizes the soil. It comes from processing very clean sea water and contains 85 or more minerals and trace minerals in the same proportions that those same minerals occur in the blood of healthy animals. All of our soils are terribly deficient in these minerals.

In addition to the positive impact sea minerals have on the plants and land, it is a much less expensive alternative to commercial fertilizer. The farmer can fertilize an acre for \$6 per application with a suggestion of 3 applications per year for \$18/acre/year. It is applied as a foliar spray on green plants. Not only is it a cheaper method, but Sea Minerals FA has a lasting positive effect on the microbes in the soil. With using commercial fertilizer, microbes are destroyed in the soil. Sea mineral nutrients stay in the soil from year to year and build and enhance the soil. SEA MINERALS FA can be used without any other fertilizer with good results. It can also be mixed with other ingredients, such as weed killers or fertilizer in the sprayer.

Sea Minerals FA also makes great free-choice mineral for cattle. Cows will consume one pound per month on average. They will not require any other mineral or salt for a savings of over 50%. It has been shown to decrease cell count in dairy cattle. It plays a key role in producing better quality milk and butcher beef. The cows and calves stay healthier

Check the website www.SeaMineralsFA.com for 2010 field trial results or call Rocky Springs Ranch 800-967-0452 for your nearest distributor. 📍

www.farmranchdairy.com



Kaput

- Cutting Edge Rodent Control
- Made in Colorado
- Environmentally Responsible

Order Today 1-866-442-3467
www.KaputProducts.com

EXTEND THE LIFE OF YOUR FARM FLEET



Truck Bed Liner Protection for Farm Trucks & Equipment

- ✓ Low Equipment Costs
- ✓ Simple & Easy To Use
- ✓ Extremely Durable
- ✓ Aggressive Non-Skid Finish
- ✓ Custom Color Options

Protects Virtually Any Surface Including:

**WOOD
METALS
FIBERGLASS
PAINTED SURFACES**

www.ScorpionCoatings.com

800-483-9087 Contact Us Today for FREE Samples and Information.




Fertilize for \$8 per acre? Really? Yes, with Sea Minerals FA

I am sending you some pictures of our 3rd cutting alfalfa on a first year field (see the pictures and the complete story at www.SeaMineralsFA.com). It is crotch high on my son who is 6ft. This has been sprayed with Sea Minerals FA 3 times, one time each cutting. We have had little to no natural moisture here since October of 2010. We are very pleased with the results and plan on continuing using it as we are seeing improvement in production with each cutting. July 30, 2011

— W. Dilts, Belen, NM

- Apply any time during the growing season.
- \$8 per application (3 times per year recommended for \$24/acre)
- Works as a soil fertility supplement that re-mineralizes the soil
- Contains 85 or more minerals and trace minerals in the same proportions that those same minerals occur in the blood of healthy animals.
- Applied as a foliar spray on green plants. Dissolves easily.
- Can be mixed with other ingredients (weed killers, other fertilizers)
- Great free-choice mineral for cattle (average consumption 1# per month)

Check the website www.SeaMineralsFA.com or call 800-967-0452 to request a brochure or find your nearest distributor.

Now OMRI Listed for Organic Use

Magnum Heat

American Energy Systems, has been leading the hearth industry in automated solid fuel combustion technology for over 35 years. At American Energy Systems, we do more than just manufacture **Magnum** and **Country Flame** Wood, Wood Pellet, Corn and Flex-fuel appliances; we're providing solutions to global energy shortages.

Preserving our natural resources and benefiting from our plentiful Biomass and agricultural renewable fuels has become a necessity. By doing this we are ensuring a healthy outlook for future generations and promoting the use of "home grown" fuels.



Magnum and **Country Flame** owners appreciate having a choice of modern cabinet designs, which offer a European look or our proven traditional Eastern styling! The large Ceramic Glass viewing area brings the fire to life while having a peaceful and calming effect. Advanced easy to use electronic control center allows you to choose between multiple heat ranges, thermostatic operation and optional auto ignition. American Energy Systems offers you a wide variety of Wood burning Stoves, Fireplace Inserts and build in Fireplaces along with automated Flex-fuel / Wood Pellet / Corn / Agri-fuel appliances including forced-air Furnaces, Boilers, pedestal and leg Stoves and Fireplace Inserts.

Magnum and **Country Flame** owners have enjoyed years of substantial return on their investment in renewable heating. An average home would use about \$600 worth of Biomass/Corn or Flex-fuel each heating season, burning about 35 lbs of flex-fuel per day, compared to the average fossil fuel cost of about \$2,000. That's more than 60% savings on the average home heating bill.

Our mission for the past 35 years has not changed, we will continue to manufacture high quality, state of the art renewable energy solutions to economically heat your home and business, save our precious resources, enjoy the romantic side of life and have a safe, comfortable warm setting for you and your family all while putting money back into YOUR pocket.

Decide today, to be a part of the solution, visit our website www.magnumheat.com or give us a call at 1-800-495-3196. ☛



POSSON Realty LLC
Specializing in Farms & Acreage
607-334-9727
www.possonrealty.net

2325 – New Listing – Neat and Clean Showplace Farm – Exceptionally nice house. Jefferson County – 180 acres, 100 tillable, good soils. Good 2 story dairy barn with 43 stalls and dbl 2 milking parlor. New 48x75 Morton Building, large 2 car garage, Beautiful 2 story 4 bedroom, 2 bath home. Very well maintained home. High ceilings, big rooms, original woodwork. All on a quiet road, great farming area, close to shopping, schools, and hospitals. Farm could be certified organic. Asking \$379,000.



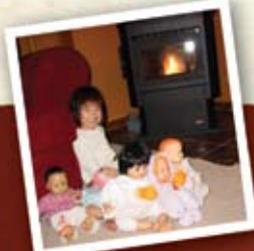


A FAMILY OF HEARTH PRODUCTS
MAGNUM
By American Energy Systems Inc.

WOOD STOVES
PELLET STOVES
CORN STOVES
FIREPLACES

"As a busy mom, I know we made the right choice in a Magnum Countryside. My kids are warm, it's a snap to operate, and our heating bill isn't a worry any longer."

-Beth Gasser



Find us, friend us, and follow us...




To read more about our story visit us at blog.magnumheat.com

toll free: **800-495-3196** | locally: **320-587-6565**



6 TON SMC STAINLESS STEEL FERTILIZER SPREADER

SMC Pull Spreaders

Available in 5, 6 and 8 Ton Capacities

- Simple Design, Durable Construction
- Economical
- Flexibility for Special Needs
- Service You Can Bank On

*Dealers
Wanted!*

SIMONSEN
INDUSTRIES, INC.

P.O. Box 247
Quimby, IA 51049

(712) 445-2211 • Fax (712) 445-2626

Call Toll Free: 1-800-831-4860

www.simonsen-industries.com

Two Guys Communications Inc. A Wyoming Owned Corporation

www.twoguyscomm.com

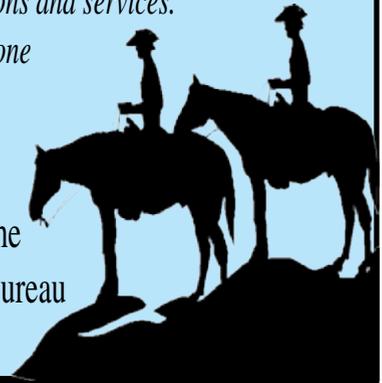
(toll free) **866-632-4285**

Cheyenne, WY

For all your telephone, network and
computer installations and services.

New long range phone
covering up to
3,000 acres.

Members of the
Better Business Bureau



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, or storage for crops or equipment, Varco Pruden builders can provide a quality building to meet your needs and budget.

- 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.



Trusted since 1948.
To request this free
information, go to:

www.vp.com/ad/WFR

©2010 Varco Pruden Buildings is a division of BlueScope Buildings North America. All rights reserved.

* 200 MOULINETTE ROAD * P.O. BOX 340 * LONG SAULT * ONTARIO * CANADA * K0C 1P0 *



CAB DEPOT
1-800-225-7290
WWW.CABDEPOT.COM

Designers &
Manufacturers of
Quality Cabs,
Enclosures and
Enclosure Kits

KEEPING YOU COMFORTABLE!

**SPRING IS HERE! ENJOY THE PLANTING
SEASON IN COMFORT AND LUXURY! GET
YOURSELF A SIMS CAB!**

John Deere 4200, 4210, 4300, 4310, 4400, 4410



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 605-266-2177; 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) 266-2177**

email: info@ronsmfg.com

Ask Us About The Electric Dakota Grills

www.dakotagrills.com

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



Farm safety begins with being alert.

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

NorthWestern
Energy

Delivering a Bright Future

Elston Manufacturing

From Sanders to Gopher Getters

In 1925, Rue R. Elston, the founder of the Elston Company and his wife, Clara, and son, Wendell, moved to Sioux Falls, SD from Spencer, Iowa. Rue found employment with the Manchester Biscuit Company. The next year his son Jack was born. In 1927 Rue, wife Clara, and two sons, Wendell and Jack moved to Minneapolis, MN where Rue found work as a bus driver for Twin City Motor Bus.



One snowy night, Rue saw a young man get hit by a car while spreading sand with a shovel at a bus stop. The man lost his leg in the accident. After seeing this accident,

Rue thought a unit could be manufactured to mount in front of the drive wheels of a bus and be electrically controlled by the driver. Such a unit could help eliminate this type of accident by spreading sand in front of the drive wheels of the bus. After extensive testing and engineering, the first units were installed on Greyhound buses.

In 1938 a corporation was formed to manufacture the Elston Electric Sander. Today sanders are used on city buses such as those in Seattle, Washington and are mandatory on school buses in many Northern States. They are also used on fire trucks and a special design for railroad trains.



In 1952 Rue, and his son Jack, engineered and designed the Elston Cargo Space heater, a unit that controls the inside temperature of semi-trailers that transport products that cannot be frozen. Through the years several models have been designed. These units are sold in

the United States, Canada, and parts of Europe.

In 1960, they were approached by the Fish and Wildlife Service to manufacture a machine to control pocket gophers.

It was during this time that Rues other son, Wendell, became involved in the company. They designed a machine, The Elston Gopher Getter that forms a tunnel 7 to 12 inches underneath the ground. These runways are spaced twenty feet apart, which a pocket gopher intercepts. The machine is used by farmers in their fields, on golf courses and by many airports west of Chicago to eliminate lights going out on the runways caused by gophers eating the insulation off of the electrical wires.

Since 1960 they have designed a hand held manual Gopher Getter Jr. for individuals to use in their yards and gardens. They

also process bait used in these machines. This was the first Gopher Getter machine made and sold in the United States.

In 1986 their business in Minneapolis plant had increased to where it became necessary to either enlarge the building or build another plant elsewhere. After looking over all the red tape and state regulations of Minnesota and Wisconsin they found it to be to their advantage to build in Sioux Falls, South Dakota.

In 1986 they built a building in Sioux Falls, and manufactured and assembled Elston Sanders, Gopher Getters and Gopher Bait. In 1989 they constructed an addition to Sioux Falls to the Sioux Falls building and moved their cargo heater line to Sioux Falls.

In 1997 the reins of the company were passed to the new management who brought with them expertise in the trucking industry. Today they employ approximately 16 to 25 employees in Sioux Falls. The corporate office is located in South St. Paul, MN. They are actively working on Research and Development on all three of their product lines: Traction Sanders, Cargo Heaters and Gopher Getters. They eagerly anticipate new and improved products in all three areas.

For more information, please visit their website at www.elstonmfg.com

GOPHER GETTER™

Pocket gophers cost you money! Every day they run free, they destroy your profit potential. There is no better way to control pocket gophers than ELSTON'S **GOPHER GETTER**. It builds and baits artificial gopher runways so only gophers can get it. Field tested and customer approved for over three decades, it's the industry standard.

1-800-845-1385
CALL TODAY FOR A DEALER NEAR YOU



GA-500



GA-400 & 700

MODEL GA-300
ALSO AVAILABLE

ELSTON MANUFACTURING INC.
706 NORTH WEBER • SIOUX FALLS, SD 57103
www.elstonmfg.com

The TEXAS PLANT & SOIL LAB Story

A Little History - 1938 saw Dr. George Schulz establish the first soil lab in Texas, Texas Soil Laboratory, Inc. in the heart of the lower Rio Grande Valley, McAllen. Schulz had emigrated from Germany with a Ph.D. in chemistry in 1933 and was working with citrus in Florida when he was urged to come to Texas to serve the citrus growers there.

He soon began working with the many other commercial crops grown in The Valley. Because there were few soil labs back then, either university (Texas A&M didn't have soil testing until 1946) or private, his work rapidly expanded well beyond The Valley to Cornbelt crops, rice, cotton, grapes, almonds, pistachios, avocados, other tree crops, pineapples, grasses and exotics.

In 1956, E.K. Chandler, CPAg, SSc began working with Schulz on soil fertility as it relates to actual plant

performance in the field. Chandler then began collaborating with Dr. Albin Lengyel of Phoenix, Arizona in 1964 on Lengyel's pioneering work in petiole (leaf stem) sap testing. Petiole analysis reveals the nutrient levels in the plant at the moment the sample is taken. Chandler was the pioneer in the South in this research.

It is important because it allows fertilization adjustments to accommodate the plant's ever-changing nutritional needs seven to 21 days before it would otherwise show visual signs of deficiencies (or excess). If correct nutritional balance can be achieved as the needs change, the plant can achieve maximum performance and resist many disease and insect pressures, while eliminating the use of unneeded fertilizers and reducing (often dramatically!) water requirements. At some point, Chandler coined the phrase, "asking the plant" when describing his

approach to soil fertility and plant nutrition, together with petiole and leaf testing.

During this time, Lengyel and Chandler were investigating soil testing methods that accurately reflected the nutrient levels found in the plant. Nearly all methods in use at that time (and still today) showed high values of some nutrients, even as the plant showed signs of deficiency in those nutrients. The conventional methods (even today) additionally measure nutrient compounds that are not available to the plant.

This explains why these methods have to have approximate compensating calculations for every soil type variation and consequently, why soil laboratories tend to be regional. Dramatic errors in interpretation and recommendations can be made by a laboratory that is unfamiliar with the particular soil variation it has tested.

PXL

You have work to do. We have the right products.

- Net & Silage Wrap
- Sisal Baler Twine
- Square Baler Twine
- Super XL Series
- Tape & Mono Round Twine

POWER-BALE & POWER - BALE HD

Our Power-Bale line of products are especially designed for high-density bales and balers. They offer extra strength for tough baling conditions and maximum weight.

Made in the USA

877-433-7659
www.POLYEXCEL.com

PolyExcel, LLC
Committed to Excellence!

Art's Way
Since 1956

PO Box 288 Armstrong, IA 50514
Phone: 712-864-3131
Fax: 712-864-3154

www.artsway-mfg.com

Art's-Way Manufacturing Co., Inc.

Lengyel had been researching the “Carbon Dioxide (CO₂) Extraction Method” as the soil test that accurately reflected the nutrient levels measured in the plant. Readily-available nutrients to the plant are water soluble. Slowly-available nutrients are those compounds that are soluble in carbonic acid. Plant roots exude CO₂ which combines with soil moisture to form a very weak carbonic acid. It is this reaction that allows the plant to survive when there are few water soluble nutrients available. If nutrients are not soluble in either medium, they are not available to the plant.

The CO₂ Method is one of the earliest extraction methods and much research on it had been done by several universities. Together with Lengyel, Chandler vigorously began running experiments to calibrate soil test analyses against petiole test analyses. The result was a proprietary set of standards that accurately calibrate soil nutrition measurements to actual plant uptake.

This explains how the lab is able to consult on a World-wide basis and al-

lows fertilization recommendations to be made which results in greater nutrient uptake efficiency, requiring less fertilizer, less water and healthier, more productive plants.

These measurements are then compared with published university plant nutritional standards for the variety and stage of growth to generate interpretations and recommendations. For most growers, lab numbers alone mean nothing. The most important components of any soil test report are the interpretations and the recommendations.

Because the CO₂ Extraction Method duplicates the way plant roots take up nutrients by measuring only the water soluble and carbonic acid soluble compounds, the Method is accurate for every soil type. It is used to measure the levels of Phosphorous (as P₂O₅), Potassium (as K₂O), Calcium, Sodium and Magnesium. The other nutritional compounds are assayed using standard conventional methods.

In 1981, Chandler and Lengyel purchased Texas Soil Laboratory, Inc. and changed the name to Texas Plant &

Soil Lab, Inc. Lengyel, in particular, had a keen interest in sugars as applied to plants. In 1986, he was granted two patents relating to the use of foliar-applied sugars to reduce freeze damage and to reduce damage to plants in acidic atmospheres. Since then, the lab has greatly expanded the research into the many other benefits of sugars applied to soil and plants.

Lengyel died in 1993 and Chandler, in 2008. In 2009, an agriculture research corporation purchased the lab and it is now Texas Plant & Soil Lab (TPSL®).

Today – Over the years, TPSL® with its field-proven performance, has grown into a World-respected institution. Being results driven, the lab continues its research in soil fertility and plant nutrition. With the closure of the USDA – ARS center in Weslaco, Texas, the lab was able to acquire the services of a senior research scientist, Dr. Larry Zibilske as Vice President of Research.

Along with a long list of credentials and experience, Zibilske is a practical, out-in-the-field researcher with con-

Continued on page 19



We Know Cornbelt Agriculture.
Since 1938, we've been reducing drought losses,
fixing serious problems and improving yields.
NOW is the time to prepare for better crops!

ASK THE PLANT®
TO GET THE MOST FROM YOUR PLANTS

www.AskThePlant.com

Photograph by
Scott D. Hedberg

Pressurized Exhaust Kills Burrowing Rodents

The H & M Gopher Control PERC® system (Pressurized Exhaust Rodent Controller) uses carbon monoxide from pressurized engine exhaust to kill burrowing rodents such as gophers, ground squirrels, prairie dogs, moles & voles.

According to the company, exhaust gas has long been one of the most lethal and least expensive methods to kill burrowing rodents. But until now there hasn't been an economical, efficient delivery system.

Company owners, Allen Hurlburt and Virginia Massey, said that the PERC® system involves a narrow steel wand that is used to probe the burrow and inject pressurized exhaust that fills the burrow in two minutes with lethal concentrations of carbon monoxide

before the rodent has a chance to either escape or block the burrow.

An internal combustion engine generates the carbon monoxide and drives a compressor pump that pressurizes the exhaust gas to 110 psi in a storage tank. An air hose and a hand held probe inject the gas directly into the burrow without any digging.

Brand new to the PERC® lineup is the PERC® 620, a trailer-mounted unit with a 20 hp Kohler motor and six reels - each with a 50' hose and hand probe. The 620 features a tandem axle with turf tires. It sells for \$14995 plus S&H.

The PERC® 412 is a trailer-mounted unit with a 14 hp Kohler motor and four reels each with a 50' hose and the hand probe. The 412 features turf

tires and is designed to be pulled behind an ATV. It sells for \$8295 plus S&H.

The PERC® 206 is a skid-mounted unit with a 7 hp engine, two reels with 50' hoses and hand probes. It sells for \$4995 plus S&H.

The PERC® 206T is the skid unit mounted on its own special trailer. It sells for \$5590 plus S&H.

The PERC® system is simple to use and safe for the operator as well as wildlife since there is no poison bait or explosion involved. Crop stands are not damaged during treatment. No other control method is as effective, efficient and as inexpensive to operate as the PERC®.



A PERC® system can treat moderately infested alfalfa fields at about 3.5 acres an hour with a single operator. Each probed location requires only about 2 to 3 minutes injection time.

Units have been shipped to customers from Southern California to central Canada and as far east as Florida. Though most of the market has been with alfalfa growers, orchard and specialty crop growers have also purchased units. The PERC® system is the best solution anywhere burrowing rodents are a problem.

For more information call (530) 667-5181 or visit the website www.handmgophercontrol.com

Max Jantz Excavating, LLC
Feedyard and Dairy Design and Construction

- Turnkey Feed-yard Design & Construction
- Slip-form Concrete Bank and Apron
- Processing & Hospital Facility Construction
- Sprinkler system design and installation
- Lagoon Cleaning and Restoration as required by governing agencies
- Custom Dairy Design
- Superior Earthwork Construction with GPS-Guided Equipment
- Slipform Feed Alleys, Cow Lanes, Transfer Alleys, and Feeding Curb
- Milk Parlor Construction
- Commodity Barn and Office Construction
- Fencing and Plumbing

mje

Max Jantz Excavating, LLC
1-800-536-2634
26503 11 Road • Montezuma, KS 67867

www.maxjantzexavating.com

The advertisement features several images: a large concrete structure under construction, a close-up of a concrete wall, and a view of a feed alley. The text is arranged in a grid-like fashion, with the company name at the top, a list of services in the middle, and contact information at the bottom.

Texas Plant & Soil Lab

Continued from page 17

siderable experience in many crops. Accordingly, the lab's research has greatly accelerated in the roles of biology, Carbon-based compounds, micro-nutrients and trace elements as relate to soil nutrition and plant health.

Even though often ignored, micronutrients have long been known to play essential parts in plant health, nutrition and resistance to insect and disease pressures; this research continues. However, more recently, much university research is being done on the roles and sometimes previously unknown benefits of trace elements in plants. Accordingly, as the research develops, TPSL® continues to add these elements, as appropriate, to its suite of tests for specific crops.

Water availability and quality are becoming critical issues. TPSL® is seeing more and more poor to bad water used for irrigation. Water high in some suspended or dissolved solids can do great long-term damage to soil chemistry and physical qualities. Bad water can also very quickly kill plants or contribute greatly to disease. Accordingly, it has become more essential than ever to provide balanced nutrition to the plants to reduce water needs and to remediate soil on an ongoing basis where good quality water is unavailable. Additionally, TPSL® consults for hydroponic and aquaculture operations.

TPSL® consults around the World on a huge variety of plants and crops – from Canada to Brazil, The Bahamas, Grenada, Puerto Rico, The Falklands, Qatar, Ireland, Romania, Russia – to name a few. As a full-service analytical and consulting agronomic laboratory, TPSL® analyzes and consults on Soil, Water, Plants, Compost, Fertilizer and Heavy Metals. It is also the only lab in Texas (and many surrounding states) that offers consulting to sustainable and organic growers.

Petiole and leaf analyses and many free resources are available through AskThePlant.com. Soil, water, compost and heavy metals tests are available at TexasPlantAndSoilLab.com.

“TPSL”, “Ask The Plant” and “You Can't Afford Not To Know” are all ® Reg. U.S. Pat. & Tm. Off. 

www.farmranchdairy.com

BURROWING RODENT PROBLEMS?

PERC® - Pressurized Exhaust Rodent Controller can eliminate them!

- Simple To Use
- Low Operating Cost
- Minimizes Crop & Equipment Damage
- Fast Working
- Environmentally Friendly

**No Poison bait,
No Explosions!!**



(530) 667-5181

H&M GOPHER CONTROL®
MANUFACTURING & SALES

WWW.HANDMGOPHERCONTROL.COM

PERC®
Model 412



Urea & Ammonium Sulfate
YIELD ENHANCER
41-0-0-4
Patented

NITROGEN SULFUR SYNERGY PLUS

Patent Pending

URAM is the best nitrogen sulfur fertilization method for many reasons. The addition of Agrotain and/or DCD (dicyandiamide) will further enhance the effectiveness of URAM. Agrotain slows the conversion of urea N into ammonium N. The conversion is usually too rapid for the soil to absorb... even in liquids injected into the ground. 30% is lost through ammonia volatilization. DCD slows the nitrification of ammonia N into nitrate N by 80%. Denitrification of nitrate N is also slowed. Ammonia N has a positive charge while nitrate N has a negative charge. Soils have a negative charge... so ammonia N attaches to the soil and stays while nitrate N leaches.

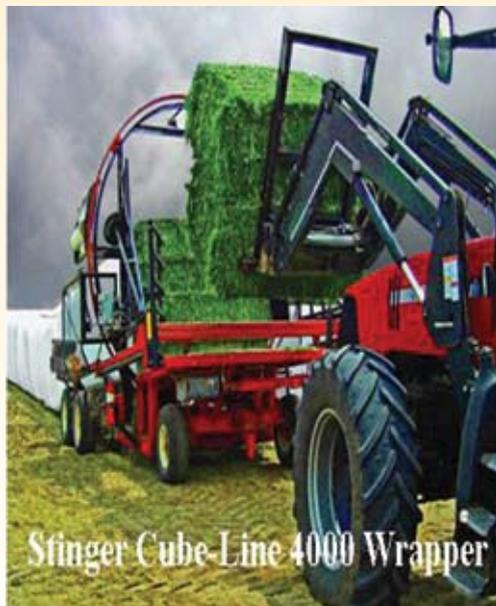
N efficiency alone is 40%

URAM increases N efficiency 20%

Agrotain increases N efficiency 20%

DCD increases N efficiency

This technology can double the efficiency of N



Beat The Weather

Double Your Profit Margin

Cut Hay Quality Losses

Over 100 Bales Per Hour

STINGER
INC.

www.stingerltd.com

800-530-5304

Stinger Cube-Line 4000 Wrapper

Montana Seed Potatoes

Certified seed potato and commercial growers alike from throughout the United States know they can expect extremely high quality, clean and disease-free seed from Montana. Montana seed potato producers have the luxury of the best geographical isolation in the United States. Montana's seed potatoes are produced in mountain valleys with virtually no commercial production. Relatively cool growing conditions in the secluded mountain valleys result in reduced insect pressure and the arid environment limits the spread of diseases. The excellent quality of Montana Seed Potatoes is backed by the most rigorous testing and inspection standards in the country. All

potatoes certified as seed originate from in vitro plantlets produced by the MSU Seed Potato Certification tissue culture program. No out-of-state potatoes are allowed to be used as seed stock for seed certified in MT. During the summer growing season, all early generation potatoes are 100% tested for viruses PVX, PVY and PVY, and all Generation 2 potatoes are tested for PVA and PVY. Many growers also choose to have their generation 3 and 4 crops virus tested. After harvest, samples are collected from all Montana seed fields and make the voyage to Hawaii where they are grown out in the winter post-harvest test. Approximately 40 days after planting, all seed lots are visually inspected

and leaves are picked from each plant and shipped back to Montana for virus testing. The pairing of virus testing with visual inspections results in a very accurate crop-health status for buyers of Montana seed potatoes.

Every year, the Montana Potato Improvement Association hosts an annual Seed Potato Seminar. This year will mark the 77th gathering of Montana growers along with potato growers and industry representatives from throughout the US. The annual Montana Seed Potato Seminar will be held November 8-9, 2012 in Bozeman, Montana at the Grantree Hotel. Call the Montana Seed Potato Certification office at 406-994-3150 for more information. 🌱

Considerations for growth and success with Canela Russet

By: Robert Davidson, CSU Extension Seed Potato Specialist

Canela Russet has been grown by SLV growers for the past few years, sometimes with great success, but often with problems related to its **individual** cultivar characteristics. **This cultivar has the potential for producing a high percentage of US No 1 tubers in a very tight size profile**, but overall yields may be less than other cultivars. Even though yields may be less (380 cwt/a +) Canela Russet has the potential for long term storage and has been very profitable for many growers when sold late season (early May to late June). This cultivar, however, has seen its share of problems in the last couple of years. This article will help to put some of these issues into perspective and, hopefully, provide some insight into understanding the cultivar so that each grower will have a greater chance for success.

Late storage to early season: Canela Russet is a cultivar which has a long dormancy (147 days average from the time of harvest to sprouting) which translates into a need to warm the tubers prior to planting (**50-550F for two weeks**) to assure proper germination. This is especially critical when deciding to cut the tubers to help promote growth of each eye. Cutting is problematic since the tubers are very smooth and have few eyes, with more eyes concentrated near the

bud end of the tuber. It is very easy to cut the seed too small producing seed pieces with no more than one eye. This in turn produces a crop with a high percentage of single stems. During the early trials for this cultivar, the number of stems per plant was 1.9. This is quite low, so efforts must be made to increase the number of stems per plants from 1.9 to near 3.0. **This requires the use of slightly larger seed pieces (3.0 to 3.5 oz) and**



cutting no larger than splitters when available. Additionally, warming the seed prior to planting and avoiding fresh cutting the tubers can pay big dividends in terms of stem numbers.

Growing season: Nitrogen management is critical during the season. **Total N rates should not exceed 140 to 160 units total for the season including residual from soil and N from irrigation water.** These levels appear to be critical for proper growth during the season and also for the finishing of the vines during

the late summer. We know that **excess N applied later in the season has a dramatic effect on the vine maturity and on tuber maturity coupled with skin set.** The past couple of years, late season environmental factors have delayed vine maturity on those fields with **excess N** present and made for very difficult tuber skin set conditions.

Harvest/Storage: It is crucial for this cultivar to have the appropriate length of time for good skin set, assuming that the vines are actually maturing and ready to go down. **Four weeks is not too long for skin set, so proper planning is essential in terms of N management and vine killing.** In the past two to three years many growers have experienced problems relating to *Fusarium* spp. and tuber dry rot. **After much investigation, we believe that these problems are related to harvesting immature tubers which bruise more easily and provide wound areas for the pathogen to enter.** Additionally, very cool late season harvest temperatures set the tubers up for greater wounding and, thus, more potential for dry rot. While this cultivar is not resistant to dry rot, it is no more susceptible than many other common cultivars raised by growers in the San Luis Valley. There is one notable difference, however. It appears that Canela Russet takes slightly longer to heal than for example, Russet

North Dakota Seed Potatoes

Willem Schrage, ND State Seed Department

The North Dakota certified seed potatoes acreage has remained stable as the second largest seed potato industry in the country at around 16,000 acres for the last few years.

ND is the largest producer of seed of the variety Norland with over 2850 acres of Red and Dark Red Norland. Of the 2500 acres of Red LaSoda in the country over 1550 acres are grown in ND. ND is the second largest producer in the country of varieties such as Shepody, Umatilla Russet and Ranger Russet. While it is the third largest producer of seed potatoes for chipping with over 3200 acres, it is the largest producer of Dakota Pearl with almost 1200 acres.

The rich ND soils are producing the most attractive red potatoes, but several kinds of russet potatoes are now grown to supply the demand for the processing industry. The fact that many acres are irrigated has created a reliable supply of processing potatoes.

Through the years ND certified seed potato producers have not changed their

tolerances for viruses and have therefore been able to maintain the low level for diseases that is necessary to produce good quality seed potatoes. In the west of the state in isolation from other potatoes greenhouse tubers are planted for one or at the most two generations in the field. Formerly the first generations were grown in the Beach area in Western ND, but now they are now grown more north, close to Grenora. Most of production is shipped as clean seed to seed potato producers in the rest of the state. In the Cando area of ND isolation is still available allowing producers to maintain low disease readings. After these generations seed lots move to the final seed areas, where they are multiplied further. Seed potato producers in several other states also have found a clean seed source in ND.

Maintaining low inoculum levels of Potato Virus Y (PVY) demands continuous attention of seed potato growers, because of the virus's ability to spread fast when inoculum is present. PVY is still mainly a seed potato growers' prob-

lem and has not been of great concern to commercial growers. This is a good indication that seed potato producers have done a good job in keeping the inoculum down. However, since the virus has developed new strains, of which some may produce tuber necrosis the virus may become of more interest to commercial potato growers in the future. ND seed potato producers are staying on the alert to maintain low inoculum levels in order to keep the reputation of ND seed potatoes up.

The ND seed potato directory is available at: www.ndseed.com (click on "Potato Directory") and at NDSSD, PO Box 5257, Fargo, ND, 58105, phone 701-231-5400.

North Dakota Certified Seed Potatoes

Contact North Dakota State Seed Department for more information and a Copy of North Dakota Seed Potato Directory. www.ndseed.com (701) 231-5400 P.O. Box 5257 Fargo, ND 58105
Varieties: Russet Burbank, Russet Norkotah, Norkotah, many more. Consistent quality and performance.

Norkotah, which can provide greater likelihood of Fusarium spp. becoming established in the tuber. Also, keeping early storage temperatures in the 500F range for longer than two to three weeks can have a very detrimental effect on the amount of dry rot seen in the crop, especially when dealing with immature tubers. Finally, growers should recognize that this cultivar will store for a very long period, but only if the crop has been properly managed during the season and the tubers are mature.

The use of Canela Russet as a long term storage alternative for producers can be very successful when following the appropriate management guidelines. Please keep in mind a few rules as you produce this cultivar. Larger seed, more eyes/seed piece, warming seed prior to planting, N management, proper vine maturity and vine kill with plenty of time for skin set, good harvest practices and proper early storage management. Following some of these practices can help you become more successful with this cultivar and increase both yields and profits.

Canela Russet

Resistant to Hollow Heart
Good Disease Expression
Minimal Disease Issues

Size Profile

Excellent Size Profile & Shape
Very Dormant
Great Storability
Cinnamon Color

OPTIMAL LONG STORAGE

89 to 95 Percent #1's

147 DAYS OF DORMANCY

Rio Grande Russet

Profit from the High Altitude Advantage

Grower
High Yield Potential
Low Virus Susceptibility
Resistant to: • Black Spot
• Ring Rot
• Hollow Heart
Moderately Resistant to Pink Rot
Excellent Vine Growth
Low Fertilizer Input

Retailer
Healthy: High Antioxidants
Abundance of Vitamin C
Brightly Colored Russet
Great Tasting: Flavorful

Extensive Varietal Selections
(Over 100 varieties to select from)

Colorado Certified

Highest Quality Available
ccpga@yahoo.com

Colorado Certified Potato Growers Association
P.O. Box 267, Monte Vista, CO 81144 (719) 274-5996 www.coloradopotato.org/seed

PHASE-A-MATIC • 3 Phase Power Anywhere!

Phase converters are used when three-phase lines are not available or are cost prohibitive. The phase converter will run virtually any 3-phase machine at any single-phase location. Advances in converter technology have resulted in low price, high performance and reliability closely resembling three-phase line power. This enables us to provide the required power for CNC and other voltage sensitive equipment.

APPLICATIONS

Phase-A-Matic, Inc. Rotary Phase Converters provides the power necessary to run all load types - including CNC/PLC, transmitters, lasers, welders, battery chargers, heating elements, etc. Whatever the load type - motor, resistive, induction, or transformer load - our Rotary Converter will power it. Phase-A-Matic, Inc. provides phase conversion solutions for the farmer in agricultural

use, including for water distribution, dairy farming, miking, augers, grain dryers, conveyers, cooling towers, and also for the wine production industry to run crusher-stemmers, wine presses, bottle corks, irrigation pumps, etc.



The Rotary Converter is designed to operate as modules with the ability to be connected in parallel to produce any required output, no matter how large. With fuel prices skyrocketing, diesel generators are now being replaced by

Phase-A-Matic, Inc. Rotary Phase Converters. Bring your request to us and we will supply the right conversion for your application.

RELIABILITY – MTBF (Mean Time Between Failure)

Failure rate (MTBF) is so low it's almost impossible to determine. We find that within the first 12 months approximately 1 in 150 might have a problem, and usually within a few weeks or months. After the first 12 months, it might be one or less in 10,000 over a 30-year period. We continue to hear of our Rotary Converters that have been in service for 25 or 30 years or more, and which are still working flawlessly. It could go on to do another 25 or 30 years. The reason for the reliability is fairly obvious. Phase-A-Matic, Inc. Rotary Converters do not have start capacitors or contactors or mechanical connections of any kind as most other converters do,

C&R Supply, Inc. Birth Of A Sprayer

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 of sprayer to meet their needs.

“Instead of taking an off the shelf tank and attaching features, we needed to get all the input we could from customers and ATV manufacturers”, said product manager Dusty Miller. “With a good vision of what features and options were required, it became obvious that a completely new tank design was needed”.

The EZ ATV Sprayer was designed with the operator in mind for ease of operation and functional ability and safety. With the sleek design 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 sprayer dual sumps to give 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 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 requirements and needs.

C&R Supply, Inc. is a distributor and manufacturer of agricultural and roadside spray equipment located in Sioux Falls, South Dakota. For over 35 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 such as their C&R Foam Marker, Spot Sprayer, and the EZ ATV Sprayer featured in this ad. C&R is a provider for precision ag products such as GPS guidance systems, variable rate control-



Spray 30 feet wide with no boom

lers, mapping, steering assist systems, and chemical injection units. C&R prides themselves on the knowledge and experience that is required to keep up with today's technology. 

which contributes to and is usually the most common cause of failure. All connections are soldered, which is not feasible with other designs. Even though some other manufacturers claim to use Baldor motors, they still have start capacitors and switch gear, which we have eliminated by working with Baldor for approx. 2 years to develop the way these are engineered. It pays to buy Phase-A-Matic, Inc. for long life and high reliability. There is very little to go wrong with the Rotary Converter.

TRANSFORMERS

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

ABOUT US

Product lines began IN 1965 with the well-known **STATIC CONVERTER**, the workhorse for tens of thousands of regular shop machines, such as mills, lathes, etc. **The ROTARY CONVERTER FULL POWER** line is a true phase converter jointly developed with Baldor Electric and built to our stringent specifications for high performance and proven long-term dependability. It is the quietest rotary converter on the market, and the best quality available anywhere. It meets your concerns in delivering the critical uptime and reliability your operation requires.

COMPANY REPUTATION & BENEFITS

Professional, available technical support for proper sizing and installation, consistent product reliability and immediate delivery from stock for most items are core components of the strength of the company and its esteemed reputation. Our converters are used by the military branches of the United States Department of Defense, and also are used in colleges and universities throughout the United States in the teaching of phase converter technology.

Phase-A-Matic, Inc. phase converters range from 1/3 to 500 HP or more. We have the right converter to meet your needs in delivering economical, reliable and true 3-phase power of the highest quality, thus providing the dependability and uptime you must have. Phase-A-Matic, Inc. 800-962-6976, www.phase-a-matic.com

www.farmranchdairy.com



3610 NORTH CLIFF AVE.
 SIOUX FALLS, SD 57104
 PHONE 1-800-322-2637
 FAX 1-605-338-6015
 WEB SITE: www.crsupply.com

YOUR BEST CHOICE FOR HERBICIDE, FERTILIZER AND PRECISION AG SYSTEMS, PARTS AND SERVICE.

TIRED OF OFF BRAND FLEET STORE PRODUCTS?

Spray 30 feet wide with no BOOM!!

- Safety
- Quality
- Durable
- Efficient



FEATURES:

- Center of gravity low and forward
- 4gpm Shurflo Pump
- Controls at your side for easy and safe operation
- Quality Tee-jet trigger handgun
- Dual sumps and baffle

Portable, All-Steel Shelters



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. Check brochure for options and specifications.

Check the web site or call today.
 All Port-A-Huts must be anchored.

P.O. Box 369 Storm Lake, IA 50588
800-882-4884
www.port-a-hut.com



DEPENDABLE POWER CONVERSION YOU NEED

PHASE CONVERTERS TO RUN 3-PHASE EQUIPMENT FROM 1-PHASE POWER SOURCE



CALL TODAY!

MADE IN USA

NEED 3-PHASE POWER?

PHASE-A-MATIC, INC.
has the right phase converter for YOUR application



- Run your:
- air comp.
 - grinder
 - lathe
 - saw
 - mill
 - and much more!

- FULL POWER to:
- water pumps
 - grain dryers
 - dairy/milking center pivot
 - anything three-phase!
 - also CNC PAC for CNC/PLC



STATIC CONVERTER

Since 1965

ROTARY CONVERTER

1-800-962-6976

www.phase-a-matic.com

The Importance Of Grain Temperature Detection

Temperature is the key to safe grain storage. When grain goes out of condition, regardless of the cause, there is always an unusual increase in temperature. Temperature is the only truly accurate indicator of grain quality for those who manage grain.

Knowledge of the causes of deterioration and spoilage in grain is essential to the grain manager. Although more is yet to be learned, grain workers and scientific researchers have jointly given much sound information with which to work.

To point out the uses of a grain temperature system, we will discuss various applications of temperature information.

Grain is a living organism. Like other living things, it breathes (respires) and it may become sick. Excessive moisture, high temperature, and poor grain condition (damaged kernels) are generally considered the most important factors that lead to trouble in stored grain.

The use of moisture tests in receiving grain is an indication of the great importance given moisture as a criterion for storage ability. Some tend to over-emphasize moisture content to the exclusion of all other factors, but low moisture content is not enough to ensure trouble-free storage. In fact, deterioration from excessive moisture can occur in grain which is placed in storage at a uniform moisture content below that considered safe for long term storage. Temperature and atmospheric changes can cause certain areas within a mass of stored grain to rise in moisture above the critical safe moisture level.

Temperature importance is best indicated by the use of refrigera-

tion to keep foodstuffs, and by the tendency of high temperatures to speed most chemical reactions.

Grain condition refers to the soundness of grain. It has been demonstrated that unsound grain (grain with a high percentage of damaged kernels, greater number of microorganisms, and with deteriorative chemical changes) is much more likely to heat in storage than sound grain of the same moisture content. Both grain respiration and the growth of microorganisms are thought to be affected when grain is unsound.

Now let us examine the causes of heating, and determine their relationship to grain deterioration and spoilage.

The three specific causes of heating that are of interest to you are:

1. **respiration of the grain itself (metabolism of viable grain)**
2. **microflora (microorganisms such as fungi and bacteria)**
3. **insect infestation.**

All three contribute to total respiration and heat production below 135° F. One type of heating alone can cause trouble, but one type of heating can also serve to trigger another problem which will contribute to total heat production.

Grain respiration increases as the moisture content of grain increases. This increase is gradual until a critical moisture content is passed. Respiration then increases faster than the heat of respiration can be dissipated. This will cause a marked temperature rise, but corrections are possible before damage is done; i.e. aerate, turn, or dry. This condition will occur in grain of relatively high moisture content and in cases of moisture translocation.

The increased temperatures are likely to excite the other two causes of heating. When grain respiration alone is the cause of heating, visual inspection of the trouble area, while turning, will show little evidence of cause. If moisture translocation has brought about the increased rate of respiration of the grain, aeration can be employed to correct the situation.

If the moisture content of the entire lot of grain approaches or exceeds the critical limit, and if grain drying equipment is available, drying is advisable, especially as a precaution against future problems.

The important thing to note about microorganisms is the fact that they respire and tend to increase the rate of respiration of the grain. Thus a rise in temperature can mean microorganism growth. If the temperatures of the grain mass are low, such growth can be slow and temperature rises relatively small.

Slowly rising temperatures warrant investigation of the causes. When indications appear, look closely for growth of microorganisms as you inspect your grain.

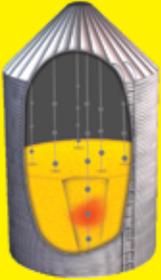
During the last 70 years, many factors have made accurate temperature knowledge even more important than before. For example:

1. Grain is stored longer and in larger bins, making the risk in holding it greater.
2. Damage from insect infestation is great.
3. Grain is harvested and often stored when it has high moisture content.
4. There is a greater demand for top quality grain.
5. The cost of handling and moving grain has increased. It costs from 2-1/2 to 5 cents per bushel to move grain. Accurate temperature information allows an operator to turn his grain only when it must be turned.
6. Buyers today want assurance that grain purchased is of uniform quality throughout. Unless a grain manager has temperature records, one cannot be certain of the condition of purchased grain.

Got Grain?

Grain Temp Monitoring Systems

- A vital tool commercial elevators have been using for years.
- Portable, Computerized & Wireless systems available.
- Quickly detect changing grain conditions.
- TSGC cables are reliable, made tough and built to last!
- Economically priced and proudly made in the U.S.A.



FOR A FREE QUOTE, CALL 800-438-8367

Tri-States Grain Conditioning, Inc.
"The Vital Link To Preserving Your Profits"
P.O. Box 468 Spirit Lake, Iowa 51360
712-336-0199 Fax 712-336-0299 Email Tsgc@TsgcInc.com

See "The Vital Link" at www.TsgcInc.com

Sales • Service • Installation • Free Tech Support

7. With the use of aeration systems, temperature knowledge is essential. The grain manager must know if and when hot spots are forming before the aeration system can do a thorough and economical job.

These are the reasons why temperature information is important to a modern cost-conscious grain manager. No matter what type of grain is stored, the same basic principle holds true: **You must know the temperature of your grain to know the condition of your grain.** It is imperative that the grain manager has accurate, complete, and up-to-date temperature information for good grain management. Monitoring the temperature of grain on a regular basis gives the manager the best chance to make a correction when a temperature change is occurring. Knowing the temperature of the grain makes it possible for the fans to be run only when they are needed, saving money in utilities.

Now, there are several ways to obtain this temperature.

1. You could use the "Feel and Smell" method. All that is required here is for the grain manager to feel the side of his bin and smell inside the bin in an attempt to detect heating. Another variation of this method is while turning the grain, it is felt, smelled, and/or visually inspected on a belt or at a spout outlet to detect heating. Obviously, this method has its drawbacks.

2. The "Thermometer Method" is another way to read temperatures. With this method, pipes are inserted into the grain mass and a thermometer lowered into them. After a time, the thermometer is raised and the temperature read for that point. This method also has several serious drawbacks. It is very time consuming. (A thermometer is not designed to furnish quick readings). It must also pass through grain temperatures which are above or below that which is to be measured. It must be read very quickly once it is withdrawn

from the pipe, and often in a poorly-lit area, making fast, accurate readings nearly impossible. In addition, currents are set up inside the pipe itself which may affect the readings. Although much better than the "feel and smell" method, the thermometer method leaves much to be desired in all phases of accuracy, dependability and speed of obtaining temperatures.

3. A third concept is the temperature cable method. One type of temperature cable utilizes thermocouples to read temperatures. A thermocouple is nothing more than two dissimilar metals soldered together to make a heat sensing point. TSGC cables have thermocouples made of copper and constantan (an alloy of copper and nickel), the most sensitive combination made for grain bin temperature scanning systems.

Thermocouples are the most widely used temperature sensor for several reasons. They are rugged, low-cost, dependable, and accurate. The measurement is a point measurement with fairly quick response to temperature change. Watching the trend of the temperatures provides a clear indication of unusual temperature activity.

To repeat the paragraph we began with: *Temperature is the key to safe grain storage and quality grain. When grain goes out of condition, regardless of the cause, there is always an unusual increase in temperature. Temperature is the only truly accurate indicator of grain quality for those who manage grain.*

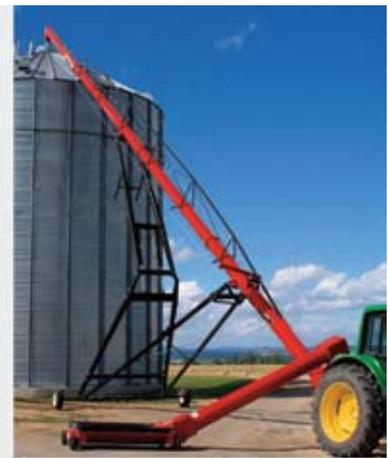
TSGC, Inc. is one of the largest suppliers of grain temperature monitoring equipment in the world. Headquartered in America's Heartland, their administration, fabricating, sales and service divisions are located in Spirit Lake, Iowa. They also have an extensive network of contractors representing their products and services nationwide and in over forty countries. TSGC, Inc. is dedicated to serving you. 



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



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



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



www.wheatheart.com

Boyd Ag

At Boyd Ag, we provide service to farmers, custom applicators, dealers and any individual that need help meeting their used equipment needs. Our goal is to match up the right equipment for the job each customer requires.

We have been in the sprayer and application business since 1973 and will share our vast knowledge with our prospects. Should you need to get rid of any equipment, there

is no fee for us to list it for you.

We discovered a need for aftermarket for aluminum booms and boom extensions. Even though we started out focusing on the John Deere sprayers, our aluminum boom kits can fit many models. Being lighter and more durable, the longer aluminum booms lead to better performance and increased productivity, producing better profits for the user. For more information, contact Boyd Ag at



800-637-7884 or find us on the web at boydag.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 50 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 sys-

tems, 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 50 years. In this time we have become committed to an ongoing program of research and development. In response to the increasingly diverse needs of our customers Walinga is and will continue to be on the forefront of technological evolution.

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

Emerson Manufacturing Corporation 100% Built in the USA!



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

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

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

Proud to be American Built!

Powell Livestock Scale

Buying scales
factory direct
means more money
in your pocket

Powell Scales NW is Oregon's largest manufacturer of truck and livestock scales. A leader in the industry for over 50 years, Scales NW offers competitive pricing, quality manufacturing and professional service from start to finish. Having offices centrally located throughout the northwest allows Scales NW to competitively serve our customers while maintaining the highest standards of quality control and customer service. Scales NW also offers foundation construction, scale installation, and equipment calibration. Our knowledgeable service technicians offer preventative maintenance as well as emergency repair on all makes and models of weighing equipment.

Keep Powell Scale NW in mind for all your weighing needs. They offer a complete line of weighing equipment, but pride themselves on their ability to meet your custom applications. Whether your needs are vehicle or off-road equipment scales, livestock scales, warehouse scales, railroad truck scales, custom applications for bulk or tank weighing – Scales NW can build them all.

You can call them factory direct for sales, service or your short-term rental needs at (800) 451-0187.

For more information, you can view their website at www.scalesnw.com.
Powell Scales NW - The Weight of Excellence

www.farmranchdairy.com

100% BUILT IN USA!



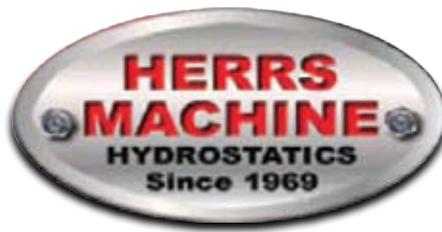
Axle Jacks • Frame Jacks • Wheel Jacks • Tranny Jacks
Oil/ATF Caddys • Filter Crushers • Ramps • Clutch Caddys
Cylinder Locks • Wedge Locks • Roll Off Safety Stands

Emerson Manufacturing Corporation

800-633-5124

www.emersonjacks.com

REBUILD



EXCHANGE

**Hydro Rebuilds On Combines • Swathers
• Skid Steers • IH Loader Tractors.**

*Rebuilt or exchange • Transmissions Are Tested
Save on our IH TA Special*

Package Deals on IH Torque Amplifiers & Related Parts.

TOLL FREE: 1-877-525-2875

**1745 Prospect • Washington, KS
www.herrsmachine.com**

TITAN WE BUILD IT ALL.

Renegade Horse Trailer

Avalanche Bumper



Tandem Dually Flatbed

Gooseneck Dump Trailers

Gooseneck Stock



Construction Utility Trailers

(866) 294-4514

2306 Highway 77 • Waterville, KS 66548

www.titantrailer.com

PowerLift Hydraulic Doors

A new standard has been set by PowerLift Hydraulic Doors for the Hydraulic Door industry. As of July 1, 2012, PowerLift Hydraulic Doors, announced that they will provide a lifetime door structural warranty on new doors for Agriculture, Aviation, Commercial and Industrial industries. Only PowerLift, with their corporate office in Lake Benton Minnesota and local partnership locations throughout America's Heartland, will warrant their door's structure to last for the lifetime of the building. Minnesota's oldest commer-

cial hydraulic door manufacturer, PowerLift's door strength and quality has proven itself over the past twenty some years and stands alone as the only company to offer a guarantee of this magnitude. PowerLift Doors offers the only hydraulic door and framework in the industry that is totally welded together, top to bottom to form one piece and without requiring bolting field assembly. To assure proper installation and customer peace of mind, experienced company specialists add to the guarantee by installing every door. Each door is custom

designed and fabricated to exact buildings measurements and specifications insuring a great fit and providing solid weather seals in all regions of the country. With thousands of doors installed, PowerLift stands alone with its commitment to quality, customer service and now a lifetime warranty.

Contact Powerlift Hydraulic Doors for the door built to last a lifetime, 507-368-9500, info@powerliftdoors.com or visit our website www.powerliftdoors.com for one of our many partner locations near you. 🛠️

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 48,000 lb. Henderson 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. 🛠️



New Horizon Corporation Earth-Friendly Way to Heat

New Horizon Inc. is announcing new extended line of Wood Gasification Boilers which provide safe and environmentally friendly way to heat your home and domestic hot water with wood and other biomass byproducts. The boiler uses wood gasification combustion (with a secondary combustion process) which gives a high, overall heating efficiency.

BioMass Gasification Boilers utilize wood (biomass) in the burning process, which uses the energy contained in the wood with efficiency—up to three times higher than traditional boilers or wood stoves. In simple words,

it releases wood gas, also known as syngas or producer gas, from biomass and burn it in a secondary combustion process. Smoke and other emissions are cut to a very low level, due to very high temperature of secondary combustion, making our boilers nature-friendly.

The wood gasification combustion technology used in BioMass wood boilers is the most efficient way to burn firewood. As a result, our boilers use substantially less wood than conventional wood boilers and outdoor water stoves. Additionally, this high efficiency burn technology produces little or no creosote, virtually eliminating the risk

of a chimney fire and greatly reducing greenhouse gas emissions.

Environmental Benefits of Wood Gasification:

- Reduce carbon dioxide emissions (Greenhouse gas)
- Reduce fossil fuel consumption
- Reduce SO₂ and NO_x emissions (acid rain gases)

Wood as a fuel is a good solution due to the fact that it is a renewable resource like solar, water or wind power. These energy sources will never be depleted unless improperly taken care of.

For more information visit www.newhorizoncorp.com or call them at 1-877-202-5070 🛠️

Doors Built to Last a Lifetime



- Strong, Safe, Weathertight
- Always Installed

Lifetime Door Structure Warranty

POWERLIFT

507-368-9500

HYDRAULIC DOORS

www.powerliftdoors.com

Machine Service Inc.

www.machineserviceinc.com



Overhead bulk bins available in any design, size, and configuration. Built for your specific needs. Standard units 14-54 ton, larger units also available.

Visit our website or call us today!

Machine Service Inc.
 (620) 427-4200
 3430 E.E. Road
 Gridley, KS 66852

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.aeroswint.net

888-883-3269

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



Wood Gasification Boilers BioMass and Eko Line Boilers

BioMass 60 *BioMass The Next Generation of Induced Draft Multi-Fuel Gasification Boilers*

Fuel Source:

- Seasoned Wood
- Corn Cobs with Kernels
- Coal (50%)
- Saw Dust
- Wood Chips (50%)
- Any kind of Pellets



BioMass Boilers

Model	kBtu	Model	kBtu
25	85	60	205
40	140	80	275

BIO MASS COMBO BOILERS
 Models 25, 40 and 60
 Wood - Oil - Gas

EKO LINE BOILERS

Eko Wood Gasification Boiler

Model	kBtu
25	85
40	140
60	205
80	275



Leading the Way to Clean, Efficient Heating

New Horizon Corporation

1-877-202-5070 (304)765-7171 www.newhorizoncorp.com

Diamond W Corrals introduces the portable sorting and gathering system by the original designer of the Wilson Wheel Corral.

You will not believe the size of this system! The ease of sorting your cattle or horses in the field will amaze you! No more

gathering, loading, unloading, sorting and then reloading. No more stressing your herd to get them out of the pasture. Thanks to Burlington Welding,

LLC, home of the Diamond W Corral, those days are gone. One system, one move, and you're done and home in time for lunch.

This is a goose-neck unit that opens for access in or out of the front. There is a total 16 gates throughout the system. On each end of the alley there are two sets of 6' gates that open between the split goose-neck hitch and the rear axle assembly. The rancher has two sorting pens measuring 15' 6" X 15' 6" with a height of all panels at 6'. This gives the rancher the ability to tie into the sorting system with any

FIELD SORTING JUST GOT BETTER

Portable Sorting Or Gathering Setup!



6'X33.4" Center Alleyway • Makes 4 Pens

NO MORE gathering, loading, unloading, sorting, then RELOADING!

- By RL Wilson, designer of original Wilson Wheel Corral
- Total of 16 gates throughout the system
- Portable gooseneck unit that splits into two pieces
- (2) 6' double gates at each end
- Solar 12v battery power hydraulic system to lift up and down





Texan
6-Panel Unit - 1,850 Sq. Ft.



MANUFACTURED BY

Burlington Welding, LLC

580-431-2556

www.diamondwcorrals.com

PATENT PENDING



Interested in raising meat goats?

Already have a meat goat operation?

The Meat Goat Handbook is your definitive guide and resource.



Voyageur Press Available in bookstores and online. www.voyageurpress.com

THE

MEAT GOAT HANDBOOK



RAISING GOATS

FOR FOOD, PROFIT, AND FUN

YVONNE ZWEEDE-TUCKER

type of portable corral or stock trailer in the field.

A hydraulic system sets the unit down on the ground, and when ready to move, lifts it up for transport. The hydraulic system is operated by a 12-volt battery charged with a solar panel and the ease of pushing a button. All systems are assembled with spring-loaded latches on the interior gates for added convenience. A 10' gate allows you to drive thru the alleyway with a cake truck.

Let us show you our newest product! Contact Burlington Welding, LLC at 580-431-2556 or 580-327-7867. You can see our web page at www.diamondwcorrals.com or e-mail us at diamondwcorrals@yahoo.com

The Meat Goat Handbook

Are you hearing a lot about meat goats lately? Do you wish that you had someone to ask what all the “buzz” was about, someone you could trust to tell you the truth? Someone that would help you decide what you needed for your operation and how meat goats could be hardworking, money-making employees for you? How to keep the goats where you wanted them to be instead of running around the county?



Someone who could tell you what makes a good meat goat, what goats need (and want!) to eat, when and how they should give birth to “kids” (babies) and how to sell what the goats produce in the easiest and most profitable way? Now there is a book that can help you answer those questions, plus tell you why the demand for goat meat is going up faster than producers can raise it, and how you can get productive goats without spending more than you should.

The author of the recently published Meat Goat Handbook is a Montana meat goat producer with 20-plus years of experience, who has learned how to be profitable by necessity and enjoys sharing goat facts and fun with others. The book gives readers the

Continued on page 37

Brangus Fit Both Environments... ...The Market AND Your Operation

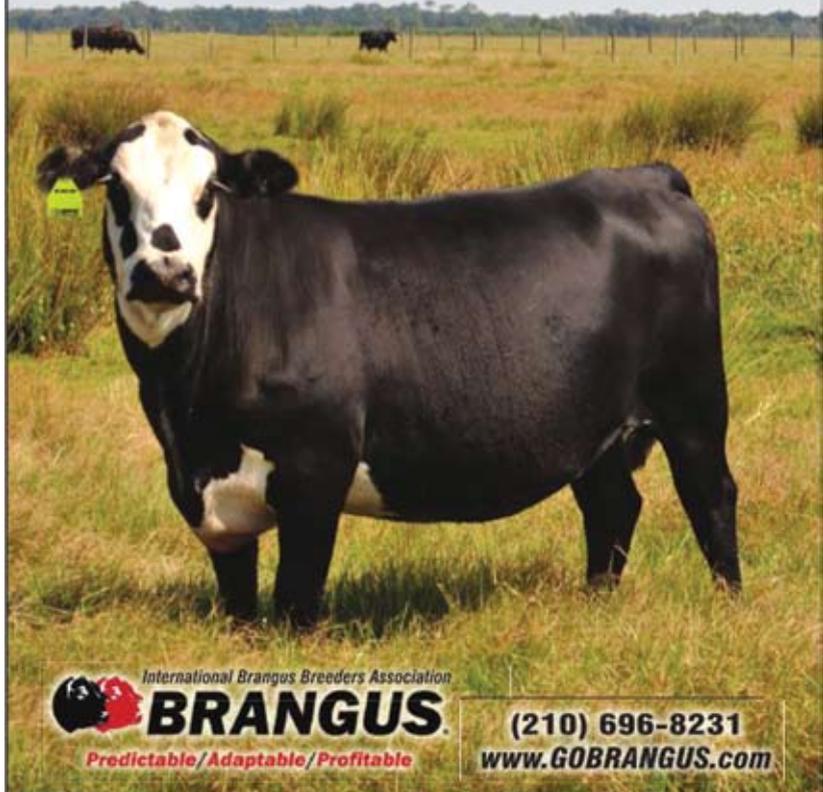
*From Florida swamps to the high country of Oregon...
Arizona deserts to the fescue valleys of Virginia...*

The Brangus crossbred mother cow produces quality end-product that meets industry demand while fitting your environment better than any other.

Contact IBBA
Today for
Marketing Options

Brangus Gold
Commercial
Females

OptimaxX Age/
Source PVP
Feeder Cattle



International Brangus Breeders Association
BRANGUS
Predictable/Adaptable/Profitable

(210) 696-8231
www.GOBRANGUS.com

The Driving Force of DairyRealty.com

Good times or bad times, DairyRealty.com has been the driving force in \$140,000,000 worth of dairy farm sales.

Mission statement, "To Bring Dairy Buyers and Sellers Together; State, Nation and World Wide".

This group of agriculture realtors work together in satisfying the needs of their buying or selling clients. Many clients fly in from around the nation and as well as from around the world. Many more drive hundreds of miles to view properties. The company always tries to inform the client before they start their travel what type of dairy properties they are going to see. Good, Bad or Ugly they want no surprises when the client visits the farm. The only reason for viewing the farm is to confirm what they have been told. The goal is to have the client surprised in a positive way.

Another goal is to have a seamless transaction that closes on time.

Business and financial management plans are put together and then bound into an attractive booklet. This booklet contains cash flows, cattle needs, equipment needs, moving and starts



**SEE YOU AT THE WORLD DAIRY EXPO
OCT 2-6, 2012 BOOTH 41**

up costs projections, and many other detail important in a dairy farm sale. It is well thought out for presentation to the bank. If a foreign buyer is in-

volved, then the firm helps with visa requirements or EB5 regulations.

This realty group is licensed in Wisconsin, Minnesota and soon to be Illinois. The company also works with sponsoring brokers or attorneys through out the nation. Dairyland Real Estate, LLC, parent company of DairyRealty.com, has participated in the sale of dairy farms in 21 states.

Dairy Realty began as an idea. Finding it was almost impossible to locate more than one or two dairy farms for sales on any on line realtor sites, the founder figured that there must be a better way. Until Dairy Realty, farms were always mixed in with 1000+ other prosperities like homes, commercial building and anything else that comes to mind. Why not help people in the dairy industry buy and sell their dairy operation?

With this idea in mind a professional
Continued on page 37

VISIT Z7BARRANCH.COM FOR PICTURES AND VIDEOS.

Diamonds Unlimited ELITE FEMALE SALE

NEW DATE
SATURDAY,
OCTOBER 20,
2012 1PM

TSB Mo Jo 35U

- 30 SALERS SHOW HEIFER PROSPECTS
- 30 ANGUS SHOW HEIFER PROSPECTS
- 2012 Offering
- CONFIRMED HEIFER PREGNANCIES OUT OF INDUSTRY LEADERS
- SPRING-CALVING COMMERCIAL HEIFERS

We are excited to offer you another outstanding set of Salers and Angus Show heifer prospects out of TSB Mo Jo 35U, PW BLK Winston 13W, EXAR Wade 9117B, DAJS Shockwave 612 and Buford Bluestem 9974 along with heifer pregnancies out of the last great cows from the Red Robin Farms and daughters of Rita 3X26 of 2536 EXP.

Z7 RANCH
Debbie Zinke, Owner 918-949-6476
Mark Dixon, Manager 918-859-0383
Pawhuska, Oklahoma

TERMINATOR
Effective Automated Fly & Pest Control For Livestock

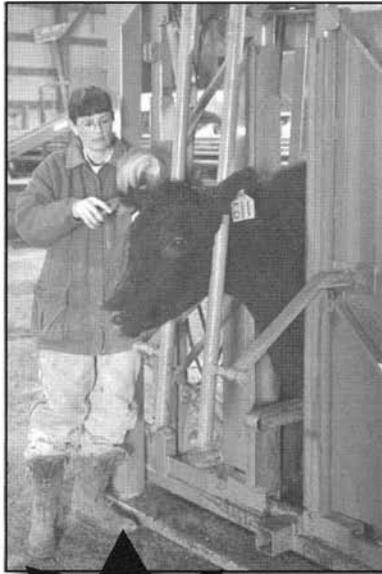
- BATTERY OPERATED WITH SOLAR POWERED CHARGING STATION
- EXTREME HEAVY DUTY STEEL CONSTRUCTION AND DURABLE POWDER FINISH
- PRECISION COMPUTERIZED CONTROL FOR EFFICIENT COS PERFECTWEIRE
- DESIGNED & MANUFACTURED BY GATTLEREN FOR GATTLEREN

SHIPS RIGHT TO YOUR FARM!!!

L & S FARM SUPPLY
3500 HOFFMAN ROAD EAST
WHITE BEAR LAKE, MN 55110

Order Today: (800)825-4777

MADE IN USA

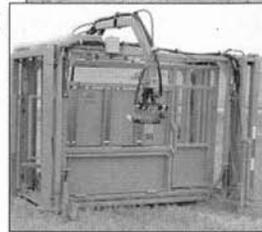
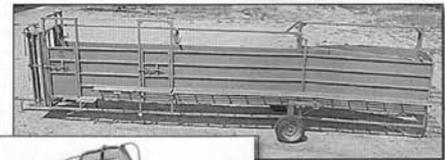


Parasal Manufacturing

PORTABLE ALLEY IN WORKING POSITION

- Self-catching head gate
- 20 ft. alley
- Adjustable from 18 to 34 inches
- 10 ft. crowding tub

Check out our newly
designed hydraulic chute.
Call or write for details.
www.parasalmfginc.com



EVERYTHING
CARRIES A
60 DAY
MONEY BACK
GUARANTEE

Duane Witte

1-1/2 miles west of Valentine, NE on HWY 20
P.O. Box 74, Valentine, NE 69201
402-376-3554 days
402-376-2870 evenings

MIRACO

Livestock Water Systems

Miraco offers innovative, energy-efficient, fresh, cool water systems designed to be the best in the business.



5 Year
Guarantee

Over 30 Models Available! Plus,
Miraco makes installation easy!
For a free catalog, call us today!

BIGspring
Livestock Waterers
MiraFount
Energy Free Waterers

A WATER SYSTEM FOR EVERY NEED

P.O. Box 686 • Grinnell, IA 50112 • 641-236-5822 • Toll-Free: 800-541-7866

www.miraco.com

W&W
FIBERGLASS
TANK CO.

Fiberglass Stock Tanks
No Rust, No Maintenance, No Worries.

Up to 24' Diameter
•
NRCS Approved
•
Non-Skid Bottom
•
**Fiberglass Feed, Fertilizer
and Freshwater Tanks
also available.**

Call Today for a Quote!
1-800-882-2776

100 N. Price Rd. • Pampa, TX 79065
www.WWTank.com

Wood Shavings

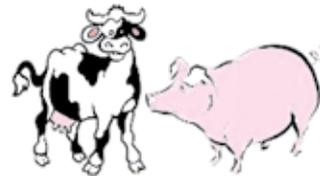
Keep your quality animals & pets clean, healthy & safe. Screened, dried wood shavings. Always available and reasonably priced!

S&S Wood Products, Inc.

Independence, WI 54747

1-800-234-5893

E-mail: shaver@triwest.net



BetterMilk ★ **Calf Coats** ★

with new, **SUPER-TOUGH RIP STOP** outer shell!

Buy Two Get One FREE!

100% Satisfaction Guaranteed!

THE HIGHEST QUALITY
★ **MicroFiber Dairy Towels** ★

A more durable, lint-free upgrade from cotton

Buy 20 Get 20 FREE
Buy 50 Get 50 FREE
Buy 500 Get 500 FREE

Get FREE Towels

Call For A Free Sample

Order Now! 877-356-6455
www.bettermilk.com

Mention this code for additional savings: FRD2012

Make **YOU** and your **BULL** happy today!
With the new "**California Bander**"

- ✓ Bulls don't like being in a chute too long
- ✓ You don't want to be under the bull too long!
Easily places bands in just seconds!!!
The price will make you even happier!

Hear what one of our customers has to say!
"The easiest of all the banders we have used!"
Gary Fritsch, Fayetteville, TX

Money Back Guarantee Call today 800-847-2533
See video at www.inosol.com or call for a free demonstration DVD

ADVERTISERS INDEX

ADVERTISER	WEBSITE	PAGE	ADVERTISER	WEBSITE	PAGE
Aero Industries	www.aeroindustries.com	9	North Dakota Certified		
Aeroswint	www.aeroswint.net	29	Seed Potatoes Assoc.	www.ndseed.com	21
Alfalfa Pellets, LLC		37	NorthWestern Energy	www.northwesternenergy.com	14
American Wholesale Co	www.awrco.com	37	Norwood Sales, Inc.	www.norwoodsales.com	25
Art's Way Manufacturing Co Inc	www.artsway-mfg.com	16	OK Ranch Inc	www.sheepfeedlot.com	37
Bettermilk - Jenlis Inc	www.bettermilk.com	34	Parasal Mfg.	www.parasalmfginc.com	33
Bio Till	www.saddlebutte.com	9	Phase-A-Matic	www.phase-a-matic.com	23
Brews Brothers Pub	www.brewsbrothersonline.com	7	Pik Rite	www.pikrite.com	5
Boyd Ag	www.boydag.com	4	PolyExcel, LLC	www.polyexcel.com	16
Burlington Welding LLC	www.diamonddcorrals.com	30	Port - A - Hut	www.pot-a-hut.com	23
C & R Supply	www.crsupply.com	23	Posson Realty LLC	www.possonrealty.net	12
Calmer Corn Heads	www.calmercornheads.com	7	Power Lift Doors	www.powerliftdoors.com	29
Central Valley Irrigation	www.centralvalleyllc.com	36	Ron's Manufacturing	www.ronsmfg.com	14
Colorado Certified Seed Potatoes	coloradopotato.org/seed	21	S & S Wood Products, Inc		34
Dakota Gasification Co	www.dakotagas.com	38	Salvaging Combines		37
Dakota Grills	www.dakotagrills.com	14	Scimetric - Kaput Products	www.kaputproducts.com	11
Davey - Joans		40	Scorpion Protective Coating	www.scorpioncoatings.com	11
Delta Implement Co Inc	www.deltaimplementco.com	37	Sea Minerals FA	www.seamineralsfa.com	11
Diamond D Dorpers	www.diamonddorpers.com	37	Sheep Feed Lot	www.sheepfeedlot.com	37
Elston Manufacturing, Inc.	www.elstonmfg.com	15	Silver Hollow Farm		37
Emerson Manufacturing Corporation	www.emersonjacks.com	27	Simonsen Industrial Inc	www.simonsen-industries.com	13
Gray Farm & Feed	www.purinamills.com	36	Sims Cab Depot	www.cabdepot.com	13
H & M Gopher Control	www.handmgophercontrol.com	19	Sioux Nation	www.purinamills.com	36
Herrs Machine	www.herrsmachine.com	27	Skinner Harvesting LLC	www.skinnerharvesting.com	36
Hoskins Manufacturing Co. Inc.	www.hoskins-mfg.com	36	Spokane Ag Expo	www.agshow.org	39
Hydroscreen Inc.	www.hydroscreeninc.com	9	Stinger Inc.	www.stingerltd.com	19
IN Dorpers		37	Strat-O-Span Buildings Inc	www.strat-o-span.com	36
Inland Tarp & Liner	www.inlandtarp.com	4	TCU Ranch Management	ranch.tcu.edu	5
InoSol	www.inosol.com	34	Tejas Alpacas	www.tejasalpacas.com	36
International Brangus	www.gobrangus.com	31	Texas Plant & Soil Lab	www.asktheplant.com	17
L & S Farm Supply		32	Tire Town Inc	www.tiretown.com	36
Lakeshore Equipment	lakeshoreequipmentsales.com	37	Titan Trailer Mfg	www.titantrailer.com	27
Liberty Ranch	www.libertyranchlimousin.com	36	TSGC Inc	www.tsgcinc.com	24
Machine Service Inc	www.machineserviceinc.com	29	Two Guys Communications Inc.	www.twoguycomm.com	13
Magnum Heat	www.magnumheat.com	12	United Power	www.unitedpower.com	36
Max Jantz Excavating Inc	www.maxjantzexcavating.com	18	URAM Fertilizer Synergy		19
Meyer's Equipment Mfg. Corp.	emcspreaders.com	2	Voyageur Press	www.voyageurpress.com	30
Miraco	www.miraco.com	33	VP Buildings	www.vp.com	13
New Horizon Corporation	www.newhorizoncorp.com	29	W&W Fiberglass Tank Co.	www.wwtank.com	34
Newman Assoc.		36	Walinga USA, Inc.	www.walinga.com	3
			Wenz Service Inc.	www.ihtdisgusted.com	36
			Z7 Bar Ranch	Z7BarRanch.com	32

AGRICULTURE

TIRE TOWN INC.

20.8-42 14Ply R-2 Full Tr.	\$1200
18.4-34 New 10Ply	\$690
15.5-38 10Ply New	\$558
480/70R34 New FWD	\$1100
14.9R46 Used 80%	\$750
14.9R34 Slightly Used 70%	\$500
320/90R46 Irregular	\$900

Nationwide Shipping - We Deal!
Other Sizes New & Used
(800) 451-9864 (800) 444-7209

For information on any Purina Mills® feed or to find the Purina Mills dealer nearest you, visit www.purinamills.com or call 1-800-227-8941.

MISSOURI

Gray Farm & Feed
 3636 Hwy. 67 N. • Poplar Bluff, MO
 (573) 776-7300

SOUTH DAKOTA

Sioux Nation
 504 N. Deadwood
 Fort Pierre, SD
 (605) 223-3101
 (800) 658-3657



IRRIGATION



The Leader in Precision Irrigation

Central Valley Irrigation
 For the best products and service in the industry.
 Holdrege, NE (308) 995-6583
 Lexington, NE (308) 324-3434
www.centralvalleyinc.com

PRE-ENGINEERED BUILDINGS

40x60-\$9648; 50x90-\$16771;
61x120-\$24174; Many other sizes.
www.Strat-O-Span.com
Toll Free: 1-800-851-4550

36 • Western Farm, Ranch and Dairy

AGRICULTURE

KEEP ICE OUT

HOSKINS
AUTOMATIC
WATERERS

**Energy Efficient,
 Stainless Steel
 Tanks**

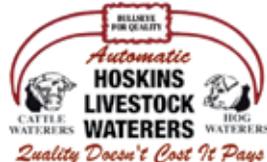


**SELECT DEALERSHIPS
 & DISTRIBUTORSHIPS**

AVAILABLE

36" model
 shown and
 models available
 up to
 120" long

HOSKINS MFG. CO., INC.
 PO Box 101 • Hoskins, NE 68740
 800-658-4020 • 402-565-4420
www.hoskins-mfg.com



UNITEDPOWER

Your Touchstone Energy® Partner

24-Hour Emergency Dispatch

Brighton • Ft. Lupton • Coal Creek

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

www.unitedpower.com

ALPACA-LLAMA



Tejas Alpacas

15353 CR 355 • Plantersville, TX 77363

936-894-2406

tejasalpacas@gmail.com

www.tejasalpacas.com

Huacayas & Suris
 Championship Blood Lines
 Array of Colors • Client Support
 Fiber Available

Rocky Mountain/Heartland

AGRICULTURE

Skinner Harvesting, LLC

Individual wanted for custom harvesting operation. Guaranteed monthly salary, lodging and home-cooked meals provided.

Contact Dan Skinner

Ph: 620.343.8140 Cell: 620.340.2843

www.SkinnerHarvesting.com

lil' house

"Outside"

Wood Burning Heater



Factory Direct

- No Dirt
- No Ashes
- No Wood In House
- No Loss Of Space
- No Insurance Problems

Excellent for Mobile Homes Too!

"Warm Up To Wood Heat"

\$1695.00

(800) 543-2837

Manufactured by:

Newman Assoc.

146 County Rd. 95
 Ironton, MO 63650

STOP SHIFTING DIFFICULTIES? Shift

GUARANTEED shifting fixes.

706	1086
806	1256
856	1466
1066	1486

Call Anytime / Worldwide
800-808-7885

We also have tractor parts at competitive prices.

Problems Look!!

CATTLE



Liberty Ranch

100 SW 9th, Plainville,
 KS 67663, (785) 737-6053
 (785) 434-4686 (office)
 (785) 885-4881 (ranch office)
www.libertyranchlimousin.com
 Annual Production Sale in Feb.
 Private treaties year-round.

www.farmranchdairy.com

EQUIPMENT

Delta Implement Co, Inc.
20151 Highway 61 South
Rolling Fork, MS 39159 • (662) 873-2661
www.deltaimplementco.com

Salvaging Combines

N5, N7, L, L2, M, F, G, C, CII, All,
A&E, K Gleaner. 6200, 7720,
9510, 9500, 8820, 7700, 6600, 4400,
3300, 105, 95, 55, JD. 915, 1480,
1460, 1420, 815 IHC. 860, 760, 750,
510, 410, 300 Massey, 643 JD
Cornhead parts.

We buy salvage combines.

Jack Boyle

Vermillion, SD

785-382-6848 • 785-564-0511

TANKER TRAILERS

Fertilizer/Sludge/Water.
Stainless Steel or Aluminum.
Also Ammonia/LPG. We Buy
Tanks! Lakeshore Equipment
Sales and Leasing.

www.lakeshoreequipmentsales.com

219-880-5635

REFRIGERATION

**AMERICAN
WHOLESALE CO.**

Used/New Walk-In-Coolers
Freezer Boxes • Refrigeration
Systems • Equipment

Large Inventory – All Sizes
Buy • Sell • Nationwide
Wholesale Prices

(216) 426-8882

Fax: (216) 426-8883

Email: awcco@aol.com

www.awrco.com

GOAT-SHEEP

DIAMOND D DORPERS

Cooper, Texas 75432 • 940-736-1923
cashdorpers@wildblue.net
www.diamondddorpers.com
Championship Blood Lines • Ewe Lambs
For Sale • In Certified Scrapies Program
Since 2002 • We Worm & Vaccinate
Regularly • Breed For Conformation &
Parasite Resistance • Good, Hardy Mothers

IN Dorpers

Hulett, WY 82720 • 307-281-0740
Pure Bred & Full Blood Dorper Sheep
Certified Scrapie Free • Black Heads
Only • Ewe Lambs & Ram Lambs For
Sale • Breed For Sound Bodies &
Fleece • Registered ADBS

Custom Sheep Feedlot

Lambs & Ewes to feed, fatten & grow.

Kyle or Dale Shippy

605-842-0935 or 605-842-3967

www.sheepfeedlot.com

Silver Hollow Farm

Neosho, MO 64850

(417) 628-3888

silverhollowfarm@gmail.com

web address:

sites.google.com/site/silverhollowfarm

- Pure Bred Myotonic Goats
- Array of Colors • Medium Size
- Show Quality Animals
- Mostly Polled Animals
- Blue & Normal Eyes
- Bucks & Some Does For Sale
- Registered MGR-IFGA

HAY & FORAGE

ALFALFA PELLETS sun cured 1/4"
and alfalfa meal 17% protein, Chopped
Alfalfa. We buy & sell alfalfa.

PH. 620-793-7701. alfalfa@ruraltel.net

**ALFALFA HAY WANTED: Round or
Square Bales. Please Call**

620-793-7701. alfalfa@ruraltel.net

YOUR BUSINESS HERE

THE MARKETPLACE WORKS!

Call 1-800-330-3482 to get the
marketplace working for your business.

The Meat Goat Handbook

Continued from page 31

answers that Yvonne Zweede-Tucker and her high school math teacher husband Craig Tucker have learned in running Smoke Ridge, their 350-goat operation. Even in North-Central Montana's variable environment, the meat goats are supporting themselves and making the annual land payment on their 220 acres. "Goats want to eat the weeds and brush that are usually a real nuisance for landowners, and people want to eat goat meat." Those are the top good points, says Yvonne, but one of the unexpected benefits of the business is the personality of the animals. "They are smart and can be affectionate." 🐐

DairyRealty.com

Continued from page 32

programmer was contacted and told about the idea. He worked the idea into a searchable online site in about two months. In the winter of 2002-03, www.DairyRealty.com went active on line. A fellow agriculture realtor, who worked for a very large residential firm said, "It will never work". This fellow realtor was quickly converted and is now a significant part of the DairyRealty.com organization.

The staff members of DairyRealty.com are all experienced dairy people, having owned and milked their own cows, showed cattle around the world, and having been in the Winner's Circle at the World Dairy Expo in Madison, Wisconsin. These people have done nutritional work, managed private and co-op feed departments and have owned large and small dairies. They know dairy and have sold many dairy farms.

Located just 20 miles south of the World Dairy Expo in Madison, WI we have our finger on the pulse of the dairy industry.

To learn more about DairyRealty.com visit www.dairyrealty.com or contact one of our staff by e-mailing info@dairyrealty.com . Call 608-882-3700 🐐

PRODUCING FERTILIZERS FROM LIGNITE COAL

Dakota Gasification Company produces DakSul 45 Ammonium Sulfate and Agricultural Anhydrous Ammonia

The Great Plains Synfuels Plant near Beulah, ND is owned by the region's electric cooperatives. The same Lignite coal that has provided reliable electricity for more than 30 years is now helping to further strengthen our rural economy by producing fertilizers that add value to agriculture, provide jobs, and a clean environment.

FOR ANHYDROUS AMMONIA CONTACT:
Tara Schoenwald Vesey or Steve Liebelt at
888-342-3378 or Fax 701-221-4450

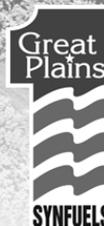
FOR DAKSUL 45 AMMONIUM SULFATE CONTACT:
SALES AGENT: H.J. Baker & Bro., Inc.

Westport, CT	203-682-9200	—	Fax: 203-227-8351
Naperville, IL	888-457-8555	—	Fax: 630-527-8075
Fresno, CA	800-992-2888	—	Fax: 559-227-0115

DAKOTA GASIFICATION COMPANY

1600 East Interstate Avenue
P.O. Box 5540
Bismarck, ND 58506-5540

Cleaner Skies
DakSul 45
21-0-0-24S Ammonium Sulfate
A product of Dakota Gasification Company
To Greener Fields



**DAKOTA
GASIFICATION
COMPANY**

dakotagas.com

TODAY'S FARMING... PART TIME to FULL TIME

• February 5 - 7, 2013 •

Spokane Convention Center



- 100,000 sq.ft. of Exhibit Space • 220+ Exhibitors • 36 Educational Seminars
- FREE Parking at Spokane Vets Arena • FREE Shuttle to/from Convention Center



Save the Dates!



Spokane

AG EXPO

Pacific Northwest

• FARM FORUM

Visit Our Website For Detailed Information

www.agshow.org • 509-321-3622



NOW buying &
selling used pivots!

**DAVEY
JOANS**

Toll Free: 800-360-4991
Cell: 813-760-2001
email: dave@daveyjoans.net



T&L 1996 8 tower with reverser
1300' 4" pipe
10 HP Electric driven Hyd
pump Late model good Water
\$40,000 Nebraska



1976 Zimatic 410 10 tower
Good water Impact Sprinkles
on top New center drive and
panels on all 10 towers SR100
end gun \$25,000



1980 Olson 686 4 tower 686'
only 2598 hrs nelson R3000
Rotators on top Booster pump
Nelson SR100 End Gun
\$12,000 Minnesota



1980 Olson Electric 1273' 8
tower Booster pump Sr100
End Gun Low Pressure Drops
R300 nelson Rotators
\$19,900 Minnesota



2003 Cadman 3750 XL
Engine 1320' 3/4
Perfect hose \$22,900 E. PA.



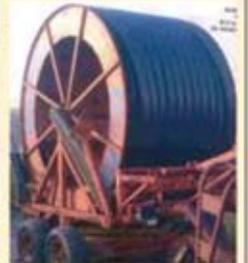
Cadman 4000 wide Boay
1250' 4"
Engine Dite TT
\$24,500 E. PA.



2000 Cadman 3750 XL
Engine 1320' 3/4 hose
perfect \$21,000 E. PA.



1985 Hobbs
5' x 1300
Tubit Perfect Hose
\$24,900



1985 Hobbs
1250' 4"
Nel stn 200 con
\$22,000



1995 Bauer
Rainstar E21
4" x 1015' 2 available
\$25,000 Michigan



2004 Bauer
4" x 1150'
New Warranty
\$34,500



1995 Bauer
Rainstar T51
3.7" x 1100'
\$14,990 Tennessee



1999 Bauer
Rainstar
4.3" x 985'
\$22,900 Canada



2002 Bauer
3" x 985' water drive
\$14,950 Ontario



2007 Ag-Rain E30/980
3" x 980'
\$13,500 Indiana



2001 ABI
4.3" x 1000' New Honda Drive
\$12,900 Mississippi



2007 Ocamis
5" x 1158'
\$27,500 Ontario