

Western Farm, Ranch & Dairy Magazine

The vital resource of the Ag Industry

Rocky Mountain/Heartland • fall-winter edition 2013

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ON THE COVER

Grassed backslope terrace in a soybean field in Story County, Iowa. . Photo by Lynn Betts, 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)

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Bio S.I. Technology Helps Potato Farmers Rebuild, Restore, and Renew Profits

As the world's fourth largest food crop, potatoes are a critical staple for the United States' agricultural industry. Representing diverse regions and climates, potato growers are faced with unique conditions and challenges which are specific to their own fields. While known for their resilience and robustness, potato crops have a fickle growing process that requires a high degree of attentiveness.

Potato growers face many obstacles during the growing season. Bio S.I. Technology produces microbial products that are used to help combat many of those obstacles. Disease suppres-

sion, nutrient availability, stubble digestion, and pest management are key areas these products can help with.



Bio S.I. products do not eliminate these issues but they do a great deal

to help reduce their effect on crops. We must start working with our soils to promote microbial life so that the soils will be able to produce healthy vigorous crops that make a profit.

Microbes are the key to helping remove the plant stubble from the previous crop. They digest this material and recycle the nutrients that you have already paid for and make them available to your next crop. They convert all this material into humus which is what holds water and nutrients in the soil. They provide the only way to rebuild the humus (carbon) in your fields. Pests are another area that microbes can help with. The microbes

North Dakota Seed Potatoes Willem Schrage, ND State Seed Department

The 2013 spring was late and cool in North Dakota, but weather warmed up during the growing season. The applied seed potato acres were 17,815, which was up 200 acres from 2011, but 1,700 acres down from 2012. North Dakota is a large supplier for the red market. The soils in the North Dakota provide favorable conditions for potatoes with a bright red skin. The largest seed potato acreage is occupied by Norland with 5,198 acres. This is similar to the last two years. Norland is an early NDSU variety, well adapted to the Mid-West that yields well and gives smooth tubers. The Red Norland strain has gained a bit more in popularity because of its consistency in red color.

The variety with the largest decline in acreage is Russet Burbank with still over 900 acre, but down over 1200 acres from 2012. The largest seed potato varieties in North Dakota after Norland with over 1000 acres are Dakota Pearl,



North Dakota Seed Potato Inspectors in a low generation seed potato field in North Dakota.

still popular red variety Red LaSoda is the last one with more than 1000 acres.

Relative new comers are Agata, a yellow flesh, Teton Russet for processing and the North Dakota clone ND8555-8R, a promising bright red clone of the NDSU breeding program.

As always much depends on the weather the rest of the summer, but potatoes in North Dakota are catching up after the late start. People are looking forward to a good marketing season. Satisfied customers are the strongest marketing success. North Dakota soils do produce well performing seed. The uniform emergence and growth supply good yields. The North Dakota State Seed Department provides experienced inspectors to the industry.

A large number of varieties is certified every year in North Dakota. The list of varieties can be found at www.ndseed.com, where a list of growers is also available. The mailing address is North Dakota State Seed Department, PO Box 5257, Fargo, ND 58105. The phone number is 701 231 5400. ☎

a successful chipping variety from the NDSU breeding program, Bannock Russet, a processing variety that growers seem to have learned how to grow with the largest increase, the processing varieties, Ranger Russet and Umatilla Russet. Ranger increased and Umatilla decreased in acreage since 2012. The

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, Norlands, many more. Consistent quality and performance.

help the plant get the nutrients they need to be healthy and to increase the sugar content of the sap in the plant. Many sucking insects can't metabolize this increased sugar and will move on to the next field reducing the need for pesticides in some cases.

Healthy root systems get plants off to a fast start. Bio S.I. Ag Formula and Bio S.I. Select with Mycorrhizae (beneficial fungi) help the plant produce a tremendous root system which improves nutrient uptake. As the microbes align with the roots they not only feed the plant but also help protect the root system from fusarium, rhizoctonia, pythium, and other root diseases. They do this by competing for space and food in the rhizosphere because they work with the plant forming a symbiotic relationship that is beneficial to both. This activity helps to keep pathogens away from the roots. You will be able to reduce the amount of fungicides over time as the microbial community is im-

proved.

Another area that microbes are a tremendous benefit is in the nutrient arena. They process or metabolize



nutrients and make them available to your crop. They help release nutrients that are tied up in the soil in forms

unavailable to the plant. This activity helps the plant utilize nutrients they would not normally get in a timely fashion for growth and production.

Many growers have soil issues that plague the crop stand like crusting, poor water penetration, and hard compacted soil. Microbes help reduce crusting, open the soil so water can go into the soil versus running off, and also help to aerate the soil making it softer and easier to work. As the microbes rebuild the humus fraction of the soil you will see a reduction in irrigation needs and this is becoming a critical issue all over the country.

Products produced by Bio S.I. Technology are all natural, non-manure based, and are soil borne. They work naturally to help plants get the nutrients they need in exchange for sugars from the plant. So they work together to improve quality and vigor of the plant.

For more information see our web site: www.biositechnology.com

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Bio S.I. easy to apply Ag Formula + Humus helps you Rebuild, Restore, and Renew your soil for vigorous plants, better water penetration, and improved soil tilth naturally.

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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

Continued on page 35



Evergreen Implement Expands its Potato Equipment Services

Evergreen Implement has served production agriculture, as a John Deere dealer, in the Columbia Basin (Eastern WA), since 1966. We share our customer's pride in our region's transformation from sagebrush to highly productive farmland with four stores located in Othello, Moses Lake, Coulee City and Ritzville. Additionally we carry the IMANTS spader, a one-pass cultivator, and the Krone BigPak baler, which produces the heaviest large square bales.

Eastern Washington produces the high-

est yield per acre of potatoes in the world, and 20 percent of all U.S. potatoes. Commercial growers plan more than 160,000 acres annually producing an average of 35 tones per acre, twice as much as the average yield in any other state. This is due to the abundant water provided by the Gran Coulee Dam, the long growing season, rich volcanic soil, and climate conditions.

We at Evergreen Implement saw the continued expansion of the potato industry and readied ourselves to become the leading potato equipment dealer

in the State of Washington. In the late 1990's we were instrumental in working with Lockwood to develop the Airecup Planter. Since then we have grown our potato business to include Milestone, Harriston/Mayo and Spudnik/Grimme. We recently moved our Pasco, WA potato equipment warehouse into the former Spudnik facility and expanded our reach to Northeastern Oregon. We have potato equipment specialists in sales, parts and service.



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potatoes.eiijd.com

Because we are a John Deere dealership, we can also provide Precision Farming services for the potato equipment including Active Implement Steering, which causes the implement steering mechanism and tractor to operate on the same guidance path in straight, circle and curve track modes. This helps in reducing the bruising of the potatoes during harvest.

Check out our website at www.eiijd.com or call us at 800-572-0391.

Advanced Farm Equipment Leading the Way in Potato Harvesting

The Lenco Self-Propelled "Air-head" Potato Harvester has revolutionized the way potatoes are harvested. Advanced Farm Equipment's ongoing commitment to research and development contributes to their reputation as an innovative, forward-thinking organization.

They've listened to the needs of their customers and integrated their customers' suggestions into their design and manufacturing process. Together, they are making tremendous strides in productivity, efficiency and reliability

Centrally located in Michigan, Advanced Farm Equipment, LLC is the proud manufacturer of Lenco Potato Harvesting Equipment. They manufacturer 3, 4 & 6 Row Self Propelled Potato Harvesters, 4 & 6 Row Pull Type Potato Windrowers, 4, 6 & 8 Row Self Propelled Potato Windrowers, and 4 Row Pull Type Air Head Harvesters.

All of their Lenco Self Propelled

Harvesters and Windrowers and Pull Type Harvesters and Windrowers are hydraulically driven and controlled from the comfort of the cab. Their harvesters and windrowers maneuver in adverse harvesting conditions, and are custom built to meet customer specifications.

Advanced Farm Equipment's potato harvesters are available in many configurations, such as:

- 3, 4, or 6 row
- 30", 34" or 36" row spacing
- Any chain configuration
- Many options to meet your needs
- 350hp or 450hp Cummins or John Deere engines
- 4-wheel drive
- 4-wheel steering
- Multiple tire options.

Advanced Farm Equipment now also offers more vacuum with less RPM, larger diameter fan, and larger intake.

Their self-propelled potato harvester

also reduces fatigue, improves quality and increases production. Their Lenco Airhead potato harvester features:

- 40", 50" or 65" Air separation
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- Low conveyor inclines, requires no flights
- John Deere cab with buddy seat and controls
- Chain speed control and reversing from the operator's seat
- Direct drive gear boxes
- Reversing valves
- Complete harvester hydraulically powered, protected and controlled
- 3-position bulkloader, pivots, raises and hinges for reduced potato bruising.

Advanced Farm Equipment offers a large selection of wear parts and on-site service for our Lenco Potato Harvesting equipment.

989-268-5711 or Toll Free: 877-287-5711, or visit their website at www.lenco-harvesters.com



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Egbers on Super Edge

“There just isn’t enough we can say about the

Super Edge Auger

Flighting” says Doug Egbers, owner of Egbers Flighting Company, Inc. The Super Edge is created in the rolling process. This is a cold rolling process so the steel is not heat treated. “This lets the steel retain its strength,” states Doug.

Because of how the flighting is made, the outside edge is thicker than your common market flighting, or “plain flighting,” as they call it. Super Edge Auger Flighting has an outside edge that is approximately 50% thicker. It

gives longer wear and longer life of the auger.

And Egbers knows their augers. Their repair and fabrication division has years of experience in re-flighting and balancing auger sections. “It just makes good sense to replace the auger flighting instead of buying a new auger section.” Confirms Doug, “New auger sections can be pricey and the Super Edge Auger Flighting is priced to sell.” Along with their repairs Egbers offers a wide assortment of replacement parts and tubing. They have your basic inside tubing, pipe, rolled tube for grain cart unloading augers all the way up to 40 ft. lengths for transport augers. “We’ve always thought freight and shipping different replacement

parts from different sources can create a problem for our customers, and we can ship pretty much all the replacement parts a customer needs from here,” Doug says. “That way all your parts come from one location instead of several.”

A newer service for Egbers is their ability to balance combine rotors. “We’re always looking for new products and services for our customers. These rotors can be balanced at a fraction of what a new one costs,” says Doug.

All in all, Egbers supports a great team for sales and repairs. They’re your One-Stop-Shop for your replacement needs, and they’re farmer friendly! Call them at 800-462-2588 or check them out on the web at www.egbersflighting.com. 🛠️



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Yellow Creek Realty is a real estate company who has been actively involved in the land business since 1977. As the number one land real estate company in Northeastern Missouri, they’ve been serving the needs of their clients for over 36 years.

Yellow Creek Realty specializes in farm and ranch sales, hunting/recreational land and investment properties with listings throughout the Central United States. Investment properties are their specialty – from CRP and row

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Whether your property is large or small they’re committed to assisting you with your real estate needs. They are dedicated to providing the real estate business with honesty and integrity. With today’s stock market being unstable it makes for the perfect op-

portunity to invest in land – a market which hasn’t depreciated. It is also an optimal time to list your property due to the influx of buyers.

For more information, contact Yellow Creek Realty – North Missouri’s Number One Real Estate Company. For the property you desire, visit their website at www.yellowcreekrealty.com and search their listings. You can also call their Broker, Robert Long, direct at 660-626-6575, or their lead salesperson, Kristen Breuer, at 660-341-4719. 📞

Colby Canvas Company

86 Years of Custom Covers and Tarps...

Since 1983, the Molstad brothers Stan & Steve have owned and operated Colby Canvas Company (previously Colby Supply & Manufacturing, opened in 1927) out of Colby, Kansas. They have been operating a steady business manufacturing custom covers and tarps for farmers and ranchers throughout the country and abroad. At Colby Canvas, they design and construct high-quality canvas products to fit your custom specifications. They specialize in roll-over truck and grain cart tarps, windshield covers for agricultural equipment, covers for grain drills and corn planters, as well as oversize load banners and warning flags.

Recently, they found a new venture for their ever-growing business: wind-walls for freestall barns. With all the

dairies popping up in the western half of Kansas, they saw a need to produce new or replacement vinyl wind-walls for the freestall dairy barns. These wind-walls can be manufactured to fit any size or type of barn to suit your needs. Another new product the company is installing on grain trailers is electric tarp systems that allow you to open and close your tarp system with one quick touch of a button. These dual electric arms provide ultimate wind protection for your tarp by keeping constant tension from the front to the rear of your trailer while the tarp system is opening and closing.

For more information about any of the products they manufacture, call 800.333.5791 or visit their website www.colbycanvas.com 📞



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Back Drag Snow

The snow plow, trailer and truck accessory dealer, Toppers Plus Inc., acquired the Back Drag Snow company from Total Enterprises LLC in 2011. With over 27 years in the snow plow industry, Toppers Plus knows snows. After acquiring the company, Toppers Plus has made some changes to the blades to make them more universal and easier to

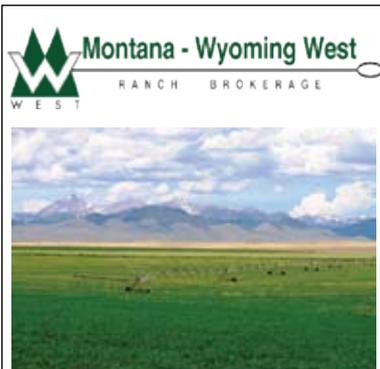
ship. With dealers currently being set up across the country, Toppers Plus is looking to expand this amazing product.

Back drags are a piece of metal that is attached to the backside of the cutting edge on your snowplow. The Back Drag is made of 3/8 in. thick steel. It is effortlessly installed in no time with only 8 bolts and pre set holes for Hini-ker and Boss snowplows steel and poly blades. The Back Drag is the heaviest duty steel back drag blade on the market.

Back drags are available for various models of Hini-ker and Boss snowplows.

This edge makes quick work of clearing snow away from garage or overhead doors and other tight areas. With the Back Drag many snow plow drivers are finding that it helps increase their profits and saves them a lot of time and effort. The Back Drag cuts the number of times you need to go over the same spot by half, saving you time and money. Plow drivers are also finding that their customers are more satisfied with the faster, cleaner results.

Watch for this amazing product to show up at your local snow plow dealer soon, or go to www.backdragsnow.com to see this innovative product. 📞



Reservoir Ranch: This 275 cow ranch puts up 2,000 ton of quality hay using 4 pivots (1 new) and side rolls. The large reservoir is used for irrigation and attracts a lot of waterfowl. A large spring supplies irrigation water, and is home for large trout. The ranch fronts HWY 91 and Interstate 15 only 8 miles north of Dillon, MT



King Ranch: This ranch has 3,100 contiguous deeded acres, farms 1,200 acres (could farm more), and summers 200 cows. The 6,100 sq ft executive 6 bedroom home has outstanding views of the Beartooth and Crazy Mountains. The King Ranch is 20 miles NW of Billings, MT. Call Jeff Klaus at 406-855-1081

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solid fuel combustion technology for over 35 years At American Energy Systems, we do more than just manufacturer **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.

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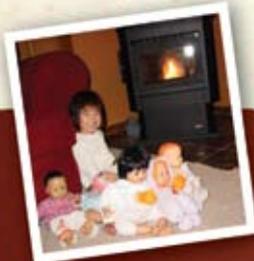
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U.S. Custom Harvesters, Inc. serves as a strong link between harvesters, the farmers they serve and businesses they work with. We provide a powerful voice for our industry to Local, State and Federal Government agencies. We help create that community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

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For more information, contact Industrial Maid at 1-877-624-3247, or email Jeff Zvolanek at jzvolanek@industrial-maid.com

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HitchDoc

The best way to protect your seed investment, increase yield potential and maximize ROI is to deliver intact seed to the field. With its poly-cupped flighting, the Travis Seed Cart from HitchDoc gently and quickly tends seed to ensure safer delivery with less damage.

In a recent Ohio State University study, poly-cupped flighting delivered 99.62% intact seed — 5 times better than steel. More importantly, the study proves that the poly-cupped flighting on the Travis Seed Cart offers dramatically improved germination compared to belt conveyors, brush and steel augers. Poly cup resulted in a mere 1.5% decrease in germination vs. 5.9% for belt systems and 6.7% for auger designs. Safer, gentler poly-cupped flighting with the Travis Seed Cart means more yield potential from every field!

What's more, customers claim the Travis Seed Cart is "built like a tank" with heavy-duty construction and durability that outlasts competitive units. Sturdy rubber torsion axles, reliable Honda engines, electric brakes, and a self-contained hydraulic system provide lasting, dependable performance for many acres over several seasons.

Now available in standard trailer 2, 4, and 6 center flow seed box units, 2 and 4 box skid models, two sizes of bulk seed units and 4 and 6 box gooseneck models. All models feature hydraulic fold poly-cupped flighting with 3-stage telescoping downspout and wireless flow control.

An industry-best 40-degree slope allows for absolute cleanout of hoppers — no cross contamination concerns! Carry several varieties to the field and use the slide gate to change seed on the

fly. The Travis Seed Cart by HitchDoc provides a tough premium, proven product that's tough enough to outlast other units, yet safer on your seed to maximize germination for optimal yield and profit potential.

HitchDoc is based in Jackson, Minnesota in a high tech 168,000 square-foot manufacturing facility and is a sophisticated contract manufacturer of premium-quality product innovations in the agriculture, consumer, and light industrial equipment markets. HitchDoc has a reputation of being a leader in the design and manufacturing of motorcycle hitches, 3 pt. commercial snow blowers, skid steer snow blowers, fuel carts, hydraulic spreaders, among other products.

For product details, please visit www.hitchdoc.com or contact the HitchDoc sales department at 1-800-446-8222 for dealer inquiries and customer requests. 🛠️

Machine Service, Inc.

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

Machine Service, Inc. sells a line of Overhead Bins with capacities ranging from 14-60 ton to 550-2200 bush-

els. The bins are designed for any dry, flowable material such as seed, feed, or range cubes; but also accommodates heavier weight materials such as fertilizer, mineral, sand, or cement. Features include: a ground operated top door, external as well as internal ladders, external ribs to prevent side bowing and to allow for interior freedom of material flow, 42 degree slope on top for complete fill and 48 degree slope on hopper for good clean out. All bins are prime coated inside, primed and painted white

outside for years of neat appearance.

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

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wheat with an excellent sample with NO rotor loss. With the cover plates on you can thresh 60 Bu popcorn with a twelve row head in a 9870 with an excellent test. We have threshed 5 foot tall rye grass, no losses. I have threshed 300 Bu corn, with a 16 row head, 18% moisture, 5300 Bu per hour, at 4 & 1/2 MPH with no loss. This comes out to 1.477 Bu per second.

The concave is made of 1" round bars that have a restricted flow notch with progressive open bar spacing. Where

the crops comes in the spacing is 7/8" on the right side and 1 & 1/8" opening on the left side. This lets crop separate in the threshing area and not travel to the back separating area.

The RPR Threshing/Separating Concave System was proto typed in 2011, sold to limited number of customers in 2012, and is now available to everyone.

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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

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Kaler Farms

The Kaler Farms Corn Stalk Guide was developed after Joel Kaler watched cobs fall away from the corn head, leaving valuable corn on the ground. "A simple solution to an aggravating problem" was Joel's goal.

This aftermarket product is attached to the corn snout above the front of the idler chain and sprocket to guide the corn stalk past them, enabling the corn to be grabbed closer to the deck plate. This means that the corn stalk is not being jerked or shook too early, causing it to fall to the ground. The Corn Stalk Guide also allows operators to maneuver headlands, corners, and not-so-straight rows without having to be directly on the row. Another benefit, according to Kaler, is that the operator can now go faster than 2-3 mph. He has actually combined at

7 mph with the Corn Stalk Guide. One operator that owns a set of Corn Stalk Guides said the Guides "help eliminate operator fatigue."



Other benefits seen by Kaler and other owners include less volunteer corn and

less wear on the poly snouts. Since using the Corn Stalk Guide, Joel has noted that he has not sprayed for volunteer corn in his soybeans for three years. Jaci Kaler, Joel's wife, also noted that she has not needed to chop corn stalks by hand in the navy beans for at least 5 years. And, the UHMW (ultra-high molecular weight) plastic has benefited the farmer by protecting the poly snouts. Since poly snouts are made of lighter plastic they tend to wear faster. Because the Corn Stalk Guide is made from virgin UHMW plastic, they will outlast the snout.

"The Corn Stalk Guide is an aftermarket product every owner of poly snouts needs," stated Kaler. Interested farmers can contact Kaler Farms at kalerfarms@gmail.com or visit their website www.kalerfarms.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.

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- Constructed for use on most poly snouts with standard 30" or 22" rows. May also work on twin-row heads with poly snouts.
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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



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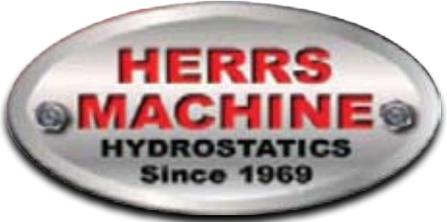
- FEATURES:**
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- Controls at your side for easy and safe operation
- Quality Tee-jet trigger handgun
- Dual sumps and baffle



Spray 30 feet wide with no boom

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 controllers, 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. 🛠️



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Look Ma – No Wires!

Wireless Grain Temperature Monitoring

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

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

The SafeTrack Wireless Grain Temperature Monitoring System can be programmed to automatically take temperatures and save them for later viewing. Grain depth, approximate bushels and automated exhaust fan operation functions are also available. Grain temperature history reports are also available to be printed out. Each individual bin can be set to specialized temperature parameters to accommodate various crops. Instead of taking **2 to 3** hours for

a large operation, reading temperatures can now be done in **minutes!**

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

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

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

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

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

The Calmer BT Chopper®

No need to spend money on a new chopping corn head!

Everyone loves confetti, it reminds you of a celebration! Calmer BT Chopper Stalk Rolls eliminate the need for a new corn head, and give you a field full of residue that is chopped, shredded, and confetti like. This is definitely a reason to celebrate!

There's a problem with having corn heads with too many moving parts, there are more maintenance requirements. There are problems when you have too many machines going through the field, compaction stunts growth. There are too many expenses trying to get your field

ready for over wintering with traditional chopping corn heads, added gas and wages for hired help.

The Calmer BT Chopper is an upgraded stalk roll that replaces the stock rolls of the JD 40, 90, and 600 series, CASE-IH 2200, and 2400 series, and the NH 96c, 98c, and 996 corn heads. Take off the old rolls, and put on the Calmer BT Choppers. The patented open window is an opening in the blades that allow the stalk to be fed into the processing area of the stalk roll. The 10 very sharp blades of the Calmer BT Chopper then grab onto the stalk (grasp and control), and shred, chop, and place the residue on the ground in small

1 to 2 inch pieces. These pieces are not whole short stalks, they are small vertical and lateral pieces put on the ground evenly at each row. No windrowing to decompose slowly, or to keep the ground cold longer in the Spring. The residue is held down by the first frost, and decomposed more quickly by planting time. The exploded root balls are kinder to the tires, and a stalk stomper attached to the corn head would be an added benefit.

Call 309-629-9000 to talk to one of the Farmers who work at Calmer Corn Heads. Who better to talk with, than someone who also uses the Calmer BT Chopper in their own field? 

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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.)

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Ron's Mfg.

(Please see press release in this issue)

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A Revolutionary Pneumatic Stapler for Building Wire Fence

Reduce hand, arm and shoulder injury by using a one shot staple driving tool to attach wire fence to any wood post. No more flying staples when you use the stapling tool. Available for the first time in North America, Wire Fence Stapler introduces the Stockade ST400 wire fence staple driving tool designed specifically with the professional fencer, farmer, and rancher in mind. This new pneumatic stapling system developed by Paslode New Zealand will save time and money when in operation. Reduce some of your labor costs. The tool is now available through a distributor here in Kentucky to be shipped to any state and Canada,



Simply load a rack of 2 inch or 1 3/4 inch galvanized barbed staples into the Stockade ST400 and begin single or multi-wire fence construction. Each paper collated rack has 25 staples and the tool holds two racks. With a ground-breaking pneumatic (125 psi) fencing tool and hot dipped galvanized barbed fence staples designed to perform in all weather conditions Stockade has just made a tough job a whole lot easier!

The revolutionary Stockade ST400 pneumatic stapler is light weight (8.2 lbs), tough, and has enough power to drive staples into even the hardest fence posts. Pull the tool trigger once and the

Continued on page 35

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STOP WASTING HAY!! HEALTHY ANIMALS & HEALTHY WALLETS!

The Texas Haynet was developed by Little Thunder Stables, Inc, an equine rehabilitation center specializing in hoof problems.

Many horses would come to Little Thunder Stables that had founder and laminitis issues. These cases have almost all been because of too much sugar and starch in the equine's diet. To control the intake of sugar (starch will turn to sugar), coastal hay was soaked prior to feeding. This leaches out much of the excess sugar and starch, but also takes away minerals and other good components of the hay. It was time consuming and back-breaking work! The horses would be fed and would quickly clean up their "allotted" hay and then stand around all day waiting for the next feeding at 5:00 pm.

Because this is not good for a grazing animal, another solution had to be found.

Researchers discovered that slowing the rate of consumption of the hay by feeding it through a 2" or less hole, gave the liver time to function properly and filter out the excess sugar. Many different

"slow" feeders were soon on the market for feeding flakes of hay, mostly in the form of hay nets or hay bags with small holes.

Little Thunder Stables owner, Leslie Davis, still needed to find a more economical way to feed cut grass hay to the equines which led her to start using round bales. The problem then, of course was to create small holes for them to feed through. Muzzles seemed to be the answer. However, some horses got very dependent with the muzzle and would refuse to eat.

Slow feeding cut grass hay is extremely important for the health of all horses! It gives the digestive system time to extract all the nutrients from the grass hay. Now the horse's flora and fauna can get healthy too! No more grass bellies, impaction colic is almost non-existent, the "hot" horse is now calm, the "aggressive" horse is more mellow and the herd is happier and taking more time for socializing and grooming and do not

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need to have their head inside the round bale every minute of every day!

Many great things happen when sugar is controlled. Of course one of the best "side-effects" from this type feeding of cut grass hay is that your hay will last many, many more days than it did before!

Most users report a savings of 50% or more! Wow! What a great side-affect to put on a warning label! On top of the money saved, since you no longer have to get the tractor out to move the round bale, set the bale out, etc. as often, much time is saved too! This product is definitely a WIN – WIN situation for horse and owner!

The Texas Haynet can be found at www.TexasHaynet.com. or call Leslie at 325-388-2727

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YW	2.1
MM	2.2
REA	4.7
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WW	2.6
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Our cattle videos are listed under **Duane Chandler** or the **Chandler Herefords Channel** on www.youtube.com

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Rawhide Portable Corral's NEW PROCESSOR

Rawhide Portable Corral of Abilene, KS has been in business for the last 11 years and we are proud of our premiere portable livestock corrals. We are extremely excited about our latest model: The Rawhide Processor by John McDonald. We offer 3 sizes ranging from the **Standard:** 40-50 cow/calf capacity, **Large:** 80-100 cow/calf capacity, and our **Super Large:** 140 cow/calf capacity. Our corrals offer the most versatility in pen size and configuration. John McDonald is the original designer of the Rawhide Portable Corrals and has really outdone himself with this new design. The Processor has a permanent

sheeted adjustable alley to aid with working your livestock on site and in the field. The adjustable alley can be sized from 30" down to 16" either manually or hydraulically. There is an option of mounting a head gate to the end of the alley for easy, on site cattle processing. You can even add a self contained loading chute to the system. If you like to lure your cattle with feed, the Rawhide can be driven completely through and out the opposite end. Each panel section has its own solid rubber wheel, no flats. Our corral has several man/pass gates to aid in human movement about the system. The Rawhide can form 2, 3 and even

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

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AngusSource Fulfills 1 Million Tags

The American Angus Association verification program reaches monumental goal.

When Drue Summers, Ririe, Idaho, recently placed an order for neon green AngusSource® Genetic tags, he successfully pushed the program over the one million mark. The American Angus Association®'s age, source and genetic verification service has become a trusted approach to identifying calves throughout the past decade.

"The millionth tag is a great feat for the AngusSource program," says Gi-

nette Kurtz, AngusSource Genetic quality manager. "Since we began in 2003, we've been able to help a large number of producers receive the most value for their Angus-sired feeder calves and replacement females."

Summers is a manager for Foster Cattle LLC in Idaho, an operation that has been enrolling calves in AngusSource for more than six years. The total number of Foster Cattle calves enrolled tops 13,000 head.

"I think the AngusSource program helps buyers know the quality they are getting, because they are not taking a risk on a calf they do not know anything about," Summers says. "And then it helps us to go back to repeat buyers, as well."

Documented genetics, consistency and value are what keep customers returning to their cattle, Summers says. They

Continued on page 33

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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 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.

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AngusSource Fulfills 1 Million Tags

Continued from page 30

have seen increased interest from buyers who want to know not only the age and source component, but also the genetic verification and performance data associated with a group of calves. Foster Cattle LLC has used AngusSource to keep more accurate records and better analyze the carcass data given back to them, as well.

"With AngusSource, records are tied to each individual calf and we can get the data back from our partner feed yards on how they performed," Summers says. "That effects how we purchase bulls or where cattle are going to go on our ranch in the future."

The Association established the AngusSource program in 2003 as a genetic verification program that would allow producers to receive more value for black-hided calves sired by registered Angus bulls. Today, most producers and buyers want to use data to make sound management and purchasing decisions. The Association has transitioned the program into what is now known as AngusSource Genetic to convey the genetic potential from using superior quality Angus bulls.

Calves enrolled in the program are identified by an AngusSource Genetic ear tag and issued an official marketing document. Distributed to interested buyers, the document lists up-to-date production, maternal and carcass expected progeny differences (EPDs) for the group's sires, as well as dollar-value indexes tailored to both the replacement female and feeder calf markets.

"As we move forward, there's huge need to continue to produce more beef with fewer head of cattle," Kurtz says. "We want producers to be able to use all the American Angus Association's programs and tools, so they can get the most value for the calves they raise. I feel that AngusSource Genetic can really help our commercial cattlemen get the most value for using registered Angus bulls."

For more information on AngusSource Genetic and how to get started enrolling cattle, visit www.ANGUS.org.

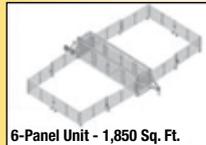
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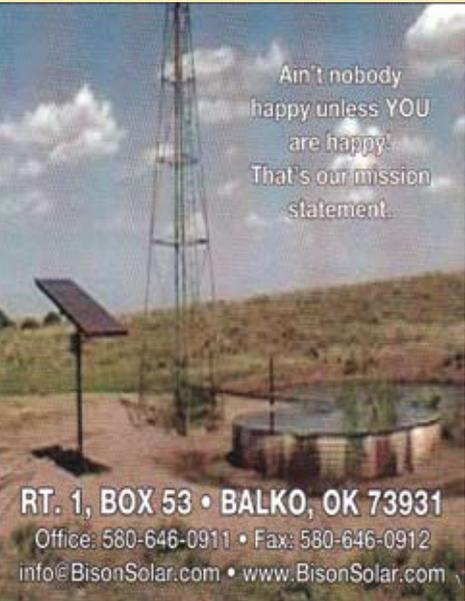
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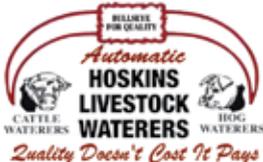


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Montana Seed Potatoes

Continued from page 8

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Continued from page 27

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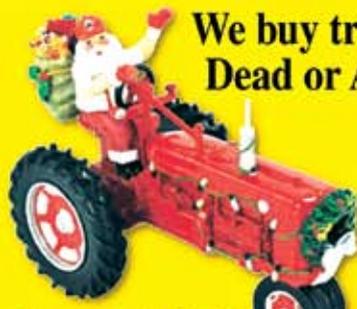


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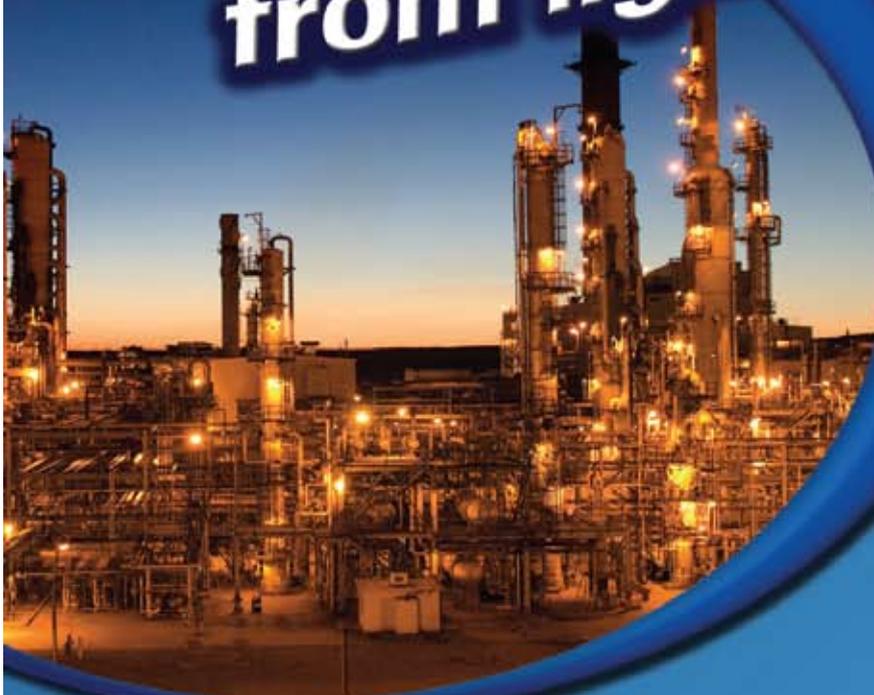
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