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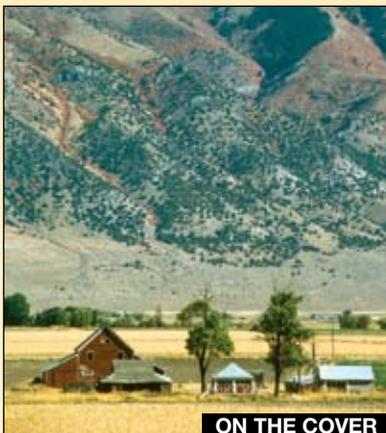
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ON THE COVER

A picturesque farmstead in a valley in Weber Country, Utah.

Photo by Ron Nichols, courtesy of USDA.

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## 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 highest 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 Dan, 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.

Because we are a John Deere dealer-

ship, 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](http://www.eiijd.com) or call us at 800-572-0391. 

## Zapata Seed Company

Zapata Seed Company, located in southern Colorado in the San Luis Valley, is owned and operated by Brian and Deborah Brownell. This certified seed farm proudly raises potatoes from plantlets in the greenhouse to fourth generation tubers. We are committed not only to producing clean, healthy seed but to reducing our water usage and protecting our fragile soils.

Three generations of Brownell's have been planting trees and winter rye to prevent erosion. We currently use two to three tons of compost yearly on potato ground. During pre-plant and throughout the season, our compost tea brewers are utilized to add bacteriological diversity to the fields. Alternating with cover crops such as hot mustard, clover, radish and Sudan grass rather than growing small grains, has helped to bring fertilizer

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back to the surface and add nutrients to the soil while further reducing water usage.

By limiting fertilizer and using crop consultants on a weekly basis to monitor insect populations and detect dis-



Patrick, Debbie, Bridget, Elaina, Anna and Brian Brownell

ease we try to give our crops the best environment possible to thrive in. We also have a seasoned roguing crew with many years of experience in the certified seed business.

At Zapata Seed we are working to conserve this environment that we depend on to raise future generations of both potatoes and farmers. 🍷



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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](http://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](http://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](http://www.biositechnology.com)

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# Montana Seed Potatoes



**C**ertified 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 voy-

age 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 12-13, 2013 in Bozeman, Montana at the Grantree Hotel. Call the Montana Seed Potato Certification office at 406-994-3150 for more information. 

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# Idaho Potato Commission Chef's Calendar Wins Gold at 2013 Custom Content Council Awards

## IPC Tops Category for Best Achievement of Corporate Objectives – B2B Strategy

Over one hundred and thirty content marketing executives gathered at the Highline Ballroom in New York City on November

12th for the tenth annual Custom Content Council Pearl Awards ceremony. Competing against custom content creators and agencies from 13 differ-

ent countries representing brands such as Coca-Cola, Ford, Walmart, Whole Foods Market and GEICO, the Idaho Potato Commission, in conjunction with Plate magazine, took home top honors in the Best Achievement of Corporate Objectives–B2B Strategy for its annual Chef's Calendar.

Celebrating the award, Don Odiorne, Vice President–Foodservice for the Idaho Potato Commission, recognized years of work went into the win. "We've been collaborating with the editors at Plate for the past six years, and our dedication to communicating the value proposition of Idaho® Potatoes to chefs has paid off with this award." Over 30 judges assembled in New York, Washington D.C. and San Francisco to judge all 587 entries. Gold, silver and bronze awards were presented by JD Roberto, host of The Better Show, and Abbey Klaassen, Editor of Advertising Age.

For more information about the Idaho Potato Commission's foodservice marketing program mission and accomplishments, visit [foodservice.idahopotato.com](http://foodservice.idahopotato.com).

### About the Idaho Potato Commission

Established in 1937, the Idaho Potato Commission (IPC) is a state agency that is responsible for promoting and protecting the famous "Grown in Idaho®" seal, a federally registered certification mark that assures consumers they are purchasing genuine, top-quality Idaho® potatoes. Idaho's growing season of warm days and cool nights, ample mountain-fed irrigation and rich volcanic soil, give Idaho Potatoes their unique texture, taste and dependable performance, that differentiates Idaho® potatoes from potatoes grown in other states.

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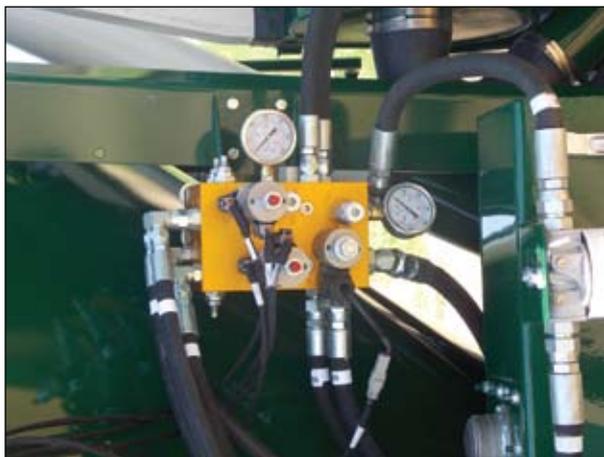
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**Idaho Falls, ID 83405**

# High Performance 6530 Grinder/Mixer delivers uniform, consistent quality feed improving livestock growth potential

**A**chieve supreme feed quality with the high performance 6530 Grinder Mixer from Art's Way Mfg. Compared to previous grinder mixer models with 8 in. discharge systems and fewer hammers, the new redesigned 6530 Grinder Mixer incorporates features that guarantee it will provide the producer an exceptional, high performing feed grinding mixing system. Our design engineers have heard from the producers and our field sales representatives and implemented features to make the 6530 Grinder Mixer move feed faster with bigger and better discharge capabilities than Art's Way 5165 and 6520 models and other similar models.



**Take control;** Adjustable and reversible lower wear plate on the hammer mill improves feed grinding by closing up the distance to the hammers and allows using a larger screen size reducing draw on tractor HP. This adjustment allows optimum spacing for the feed ingredients to be ground efficiently and consistently to the size requirements for the ration mix. Using a large 36 gallon hydraulic tank helps dissipate heat, decreasing overall fluid temperatures which maximizes tractor HP. Make all hydraulic adjustments from a consolidated valve bank equipped with a sight glass level, temperature and pressure gauges for easy monitoring of the hydraulic system. A reduced number of hydraulic hoses simplifies the hydraulic setup of self-contained units and is a much smoother operating hydraulic system from previous models.

#### **Move more feed faster with bigger, better discharge capabilities.**

A redesign of the discharge gate opening to a straight guillotine type with a 12 in. stroke actuator provides a 30% increase in gate opening versus the pivot gate with 8 in. stroke actuator on other models. The producer can expect increased flow and faster discharge of feed.

We have added two additional feet to the discharge auger tube

making it 12 ft. in length with maximum extended reach of 25 ft. 5 in. easily reaching over a 20 ft. bin. The 6530 Grinder also provides more flexibility in placement of feed discharge with its additional 60 degree angle height setting on the discharge auger tube cylinder. Compared to other grinder mixers with 8 in. diameter unload systems, the larger 10 in. diameter unload system increases the discharge rate up 100% to drastically reduce time and labor costs.

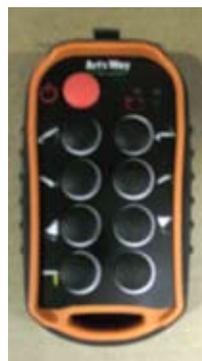
#### **Attention to details**

Detail oriented engineers and product quality managers have included several design changes in the new 6530 Grinder Mixer that result in higher performance, more efficient operation and longer lasting parts. Updates include a spring loaded chain tensioner with idle master idler on the main drive chain, an RC40 chain with idler sprocket on the drive of the mill to the mixer auger, throttle control near the intake end of the auger feeder for added convenience, a hinged access door on lower discharge for easier cleaning and extra windows on left and rear side of the tank for sight access to feed levels in the tank.

#### **Wireless control of discharge operations**

The 6530 Grinder Mixer boasts a fully self-contained hydraulic system operated by a wireless remote to control: raise/lower and swing of the discharger auger; open/close of the tank discharge gate; plus start and stop the operation of the unload system. This feature puts the controls in the palm of your hand.

#### **Electronic scale options are available for precise weight calculations**



#### **Results for the producer – fast and efficient, uniform consistency of feed grind**

The portable 6530 efficiently grinds feed with a one piece 26" hammer mill that operates 96 4-way reversible knives. Impressed with the speed and the uniformity of the grind obtained with the new 6530 model in recent tests with one of his customers, Ron Bender, Art's Way Northeast sales representative states "The consistency of the ground product was remarkable."

What this means for the producer feeding his livestock is that it not only saves time grinding feed efficiently, but produces a feed that is blended thoroughly and uniformly within the large 165 bushel mixing tank. This provides his livestock with superior rations and improves the growth potential of the livestock.

Learn more at [www.artsway-mfg.com](http://www.artsway-mfg.com), Call: 712-864-3131, Email: [sales@artsway-mfg.com](mailto:sales@artsway-mfg.com)



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# Stinger set to introduce the next generation of bale stackers in 2014.

With higher fuel costs and lack of labor, hay and forage producers are looking for ways to still meet the needs of their operation as well as lower their costs. Stinger bale stackers, known for their rugged design, speed, and versatility are one way to lower overall cost per bale of handling large bales.



After 21 years of producing large bale wagons, Stinger is on the threshold of

the release of their next generation of bale stackers - on track for mid-2014.

“We see the need for a new and improved stacker for the hay and forage industry, especially for the Ag residue market which is growing out of America’s need for feed, fuel, and fiber,” Justin Matlack, who handles sales and marketing for Stinger told us. “With the growth of the 3x4x8 large square baler market, the industry has been lacking a true self-propelled 12-bale stacker that is capable of stacking an entire load with one cycle.”

Stinger’s current model 6500 hauls 12 3x4 bales, but for weight distribution, flexibility to haul round bales, and superior balance, it only stacks 6 bales at a time. This requires more time in the stack yard. Stinger has found a system that has the speed and flexibility of their model 6500 combined with the

stacking speed of other 12-bale pull-type stackers. Stingers, which are hand built and assembled in Haven, KS, are a very unique niche market piece of hay equipment. “We typically sell 40 to 50 of these units per year,” Matlack continues. “While the hay acres have continued to decline here in the United States, baling of crop residues such as corn stalks, wheat straw and other forages has evolved.” With the recent news of Agco selling its 25,000th large square baler, there is sure to be a demand for an efficient way to handle all those bales. Other changes slated for Stinger Stackers include a new larger cab, Cummins tier 4 final engine emissions, LED work lamps, and a CLEANFIX® reversible fan option. For more information, call 1-800-530-5304 or visit their website at [www.StingerLtd.com](http://www.StingerLtd.com)



## 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



PERC® Model 620

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 toll free (855) 667-5181 or visit the website [www.handmgophercontrol.com](http://www.handmgophercontrol.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, then someone who also uses the Calmer BT Chopper in their own field? 🚗

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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](http://www.egbersflighting.com). 



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# Stukenholtz Laboratory Inc.

## Celebrating 42 Years of Agricultural Testing

In 1970, there were no commercial soil and plant testing laboratories in Idaho. Farmers applied fertilizers based upon educated guesswork. Dr. Dale Stukenholtz and his wife Joyce saw an opportunity to build a business and started a soil and plant testing laboratory and field consulting service based in Twin Falls, Idaho. Dr. Stukenholtz had an unusually diverse background as an educator at the University of Nebraska, an agronomist in the fertilizer industry, and a farmer, and he saw a need for more modern fertilizer recommendations to produce greater yields at less cost. His clients were the growers, so he could make unbiased recommendations that maximized economic return to the farmer. After extensive field research, he developed these improved fertilizer recommendations that quickly became popular with growers and form the basis for nearly all fertilizer applications in the intermountain west area. Stukenholtz Laboratory clients include growers from all neighboring states and several foreign countries including Australia, Canada, Egypt, Russia, Mexico and New Zealand.

Stukenholtz Laboratory provides 1 to 2 day service, including picking up and delivery time, across Southern Idaho from St. Anthony and Grace to Parma and Homedale. Results can be delivered, mailed, faxed, or pulled from the Labora-

tory's webpage: [www.stukenholtz.com](http://www.stukenholtz.com). To improve their service, Joyce and Dale Stukenholtz expanded the laboratory 15 years ago, installed the latest in computerized instrumentation and quality control, and made it the most modern and well equipped agricultural laboratory in their market area.

Critical to the success of Idaho's most efficient laboratory and largest field consulting firm has been its personnel. Dr. Stukenholtz has had a PhD in Soil Fertility and Plant Nutrition since 1964 and his son and Laboratory Manager Paul has nearly completed his own. Consulting agronomists include J.P. Kruckeberg of American Falls, a 33 year veteran of field consulting and the most successful single agronomist in the state, and Bart Kunz. The Laboratory and office staff are equally good.

Stukenholtz Laboratory continues with research and improvement. In conjunction with the Idaho Crop Production Association and University of Idaho CFEP research project, Stukenholtz Laboratory has helped to ensure that fertilizer recommendations in Idaho are the most cost efficient possible and produce the maximum economic yield while protecting the environment. Stukenholtz Laboratory personnel have conducted field research on over 40 different products and continue to be the experts at "cutting edge" agricultural technology. As we

end our first 41 years of business and begin our next, we would like to thank our current and former employees for their dedicated work and our customers and clients for their years of support. 🍷

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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 staple is in the post. Loaded with a staple depth adjustment

feature the ST400 wire fence stapler is designed for any fencing job, saving up to 70% of the time currently taken to hand hammer fence staples. That time saving is money in your pocket.

Contact your distributor, Wire Fence Stapler at [www.wire-fencestapler.com](http://www.wire-fencestapler.com)



Users of the stapling tool testify that they can no longer do without the ST400 stapling tool. They are building fence 4 times faster with less labor costs. They load a small compressor in a 4-wheeler, add the ST400 with staples and they are in business to finish a fencing job in no time.

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Jim was born into a family of herbalists stretching back to the 17th century. He learned his craft in his childhood – gathering medicinal herbs in the Austrian countryside with his grandmother. He was taught to taste herbs in order to detect their medical value. Balance and proportion were the keys to producing formulas that were effective and almost instantaneous.

Jim's heart attack was not a fluke. He admits to having lived in the fast lane, ignoring the healthier lifestyle of his parents. He considers himself fortunate as nearly one half of first time heart attacks end in death. Relying on the knowledge acquired over the years, he refused the recommended surgery and in a few weeks put together an herbal formula which he immediately applied to himself with outstanding results. In three months, his 2" arterial blockage was cleared. Since that time, Jim has shared his formula with thousands around the world who are living testimony to the curative powers.

One of many clients recently wrote, "I would like to tell you that after three months of using Strauss Heart Drops, I am a new man. I am 86 years old, no more of the tired feeling I had, my swollen feet are normal again, and my bowel is working normally. Two specialists had told me 'we can't help you'."

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## Reman Balestacker: Saving you time; Saving you money

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Reman Balestackers follow the path of the balers, grab the bales on the go at 7 mph and haul up to 24 bales a load. At the end of the day, you'll lean back, look at the stack, and see you've averaged 120 bales/hr. That's why some operators have taken to calling the Reman Balestacker the Time Machine.

Easily handled by a 110 hp tractor, the 1012 Reman Balestacker makes operation easy with its PLC controlled cycles,

but gives you the manual control you need to deal with misfits and quirks that are bound to come along. This machine will handle 3x3, 3x4 or 4x4 bales. With a flip of a switch, choose to stack either on strings or off strings. With the patented Reman stacker arm, actual bale lifting is kept at a minimum, offering gentler bale handling and the lowest maintenance machine on the market today.

The Reman Balestacker is currently available in two models: One that maximizes your load capacity and stacks the bales for side pickup, and another with a rotating table that builds the

stack to be retrieved from the same direction you stacked it; allowing you to stack on laneways, concrete pads or directly into your storage sheds. A truck mounted, self-propelled version is currently in the proto-type stages and is scheduled to be available for the 2015 baling season.

Every Reman stacker comes with a full set-up, training and service plan. For more information on how the Reman Balestacker can save YOU time and money, call Reman Sales & Service at 519-291-5035 or see videos of The Time Machine in action at [balestacker.com](http://balestacker.com) 

## Walinga Bulk Feed Bodies & Grain-Vacs

**F**rom 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 capabili-

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

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

### Walinga Agri-Vac

The only system you'll ever need. Gives one-person total grain-handling capability! Do it all with the Walinga Agri-Vac. Fill or empty storage facility being used. The Walinga Agri-Vac puts an end to

legs, augers, sweeps and shovels. Grain handling has never been simpler, safer or healthier.

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

### Bulk Feed Trailers and Bodies

Walinga Inc. has been manufacturing bulk feed transportation equipment for more than 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. 

# Reman Balestacker



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# 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.

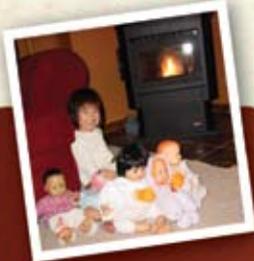
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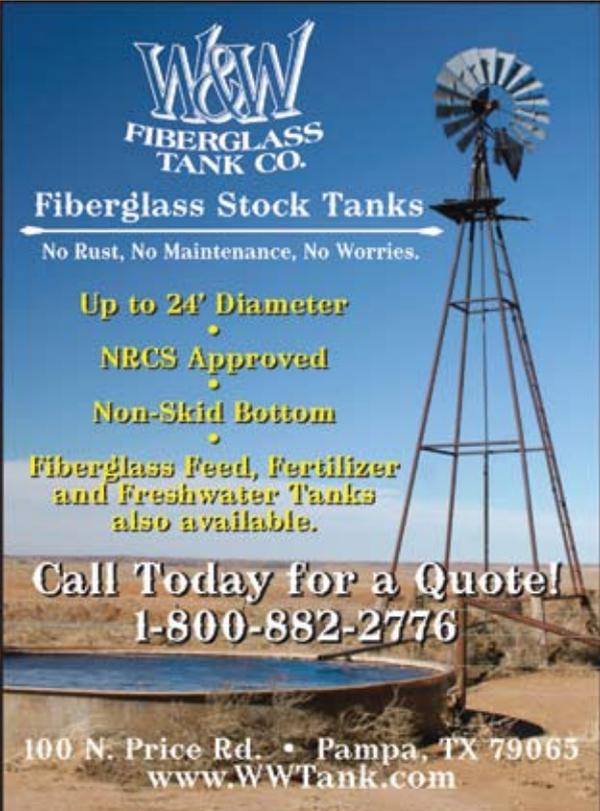
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# MICRONA™ Calcium Carbonate

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**A**s your farm expands with higher stocking rates, you end up with more work and the increased cost of managing it. Finding multi-talented helpers can be a great relief!

Did you know that a fine, natural form of calcium carbonate bedding lime increases sanitation, builds compost, does not corrode your equipment, burn your hands or deplete your bank account? Only a very finely ground, white calcium carbonate limestone can do this, all while helping with the rapid absorption of barn acids.

**MICRONA™ Bedding Lime—replaces other lime products.** MICRONA™ is ultra fine, calcium carbonate with proven higher dissolution and reactivity rates compared to other agricultural limestone products on the market today. You can drastically reduce or completely eliminate the expensive use of hydrated lime (CaO) with the non-corrosive MICRONA™. Hydrated lime is classified as a toxic substance. MICRONA™ Bedding Lime is not toxic and certified organic. Research found ultrafine ground, calcium carbonate liming materials with high reactivity values effective at lowering ortho-phosphate concentration in fresh and composted manures and at stabilizing nitrogen levels.

**MICRONA™ Bedding Lime—great for the soil.** Kick-start the nutrient cycle of your farming systems. Natural, fine ground, calcium carbonate bedding lime not only keeps your animals happy and your stalls white and clean—it ends up in the manure and lagoon – enriching calcium nutrient content and therefore, increasing the value of your lime application.

**No worries— when using MICRONA™,** the pH of manure increases less drastically compared to hydrated lime. Gradual increase of available calcium in your soils benefit legume forage systems, grasslands mixed with white clover - your animals will prefer to graze it! This also closes the cycle of calcium nutrition—it comes back to your animals as they eat.

Manure enriched with premium **MICRONA™ Bedding Lime** calcium applied on fields has several benefits: less smell, increased bacteria activity, improved mineralization (nutrient availability over time) and at the same time reducing the cost of liming.

**You can do all this in one step—by adding MICRONA™ Bedding Lime to your stalls!**

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Small and medium-sized operations now have access to high quality, fine and very white calcium carbonate. Contact your feed dealer or dairy consultant and ask about **MICRONA™ Bedding Lime** and **MICRONA™ Mineral Feed Calcium**. Call the manufacturer's representative Jason Imes at (800) 735-6690 for more information, availability, and application tips. 📞

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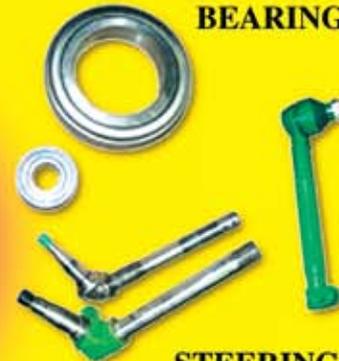


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\$19,900 WESTERN U.S.

## 1985 Bauer 125x360 B



PISTON TURNABLE, 4" x 1015' - 2 AVAILABLE -  
BUY BOTH, FREE FREIGHT - \$15,000 EA

## Bauer Rainstar A1



GUN, WATER PISTON DRIVE, 3" x 900' HOSE  
\$7,500 WASHINGTON

## 2008 Ocmis R2/1 Hose Reel



\$18,000 USED - LOCATED IN WASHINGTON  
CALL FOR DETAILS

## 2013 Ocmis VIR8



ALL HYDRAULIC, ALL EXTRAS, 5" OD x 1476'  
\$63,500 - 1 IN GEORGIA, 1 IN SOUTH CAROLINA

## 2012 Ocmis VR5



ALL HYDRAULIC, 4.1" x 1250'  
\$32,500 - 1 IN GEORGIA, 1 IN SOUTH CAROLINA

## 2008 Ocmis VIR6 125/440



AS NEW, 4" x 1443' TURBINE  
\$47,500 WESTERN U.S.

## 2012 Ocmis VR5 125/380



ALL HYDRAULIC, TANDEM AXLE TRAVELER,  
4.1" x 1250' - \$37,500 GEORGIA

## 2012 Ocmis VR5 125/380



ALL HYDRAULIC, TANDEM AXLE TRAVELER,  
4.3" OD x 1250' - \$35,500 GEORGIA

**CALL FOR MORE SYSTEMS & AVAILABILITY**  
**OCMIS, REINKE, BAUER, JOHN DEERE, CADMAN, & MORE!**