

Western Farm, Ranch & Dairy Magazine

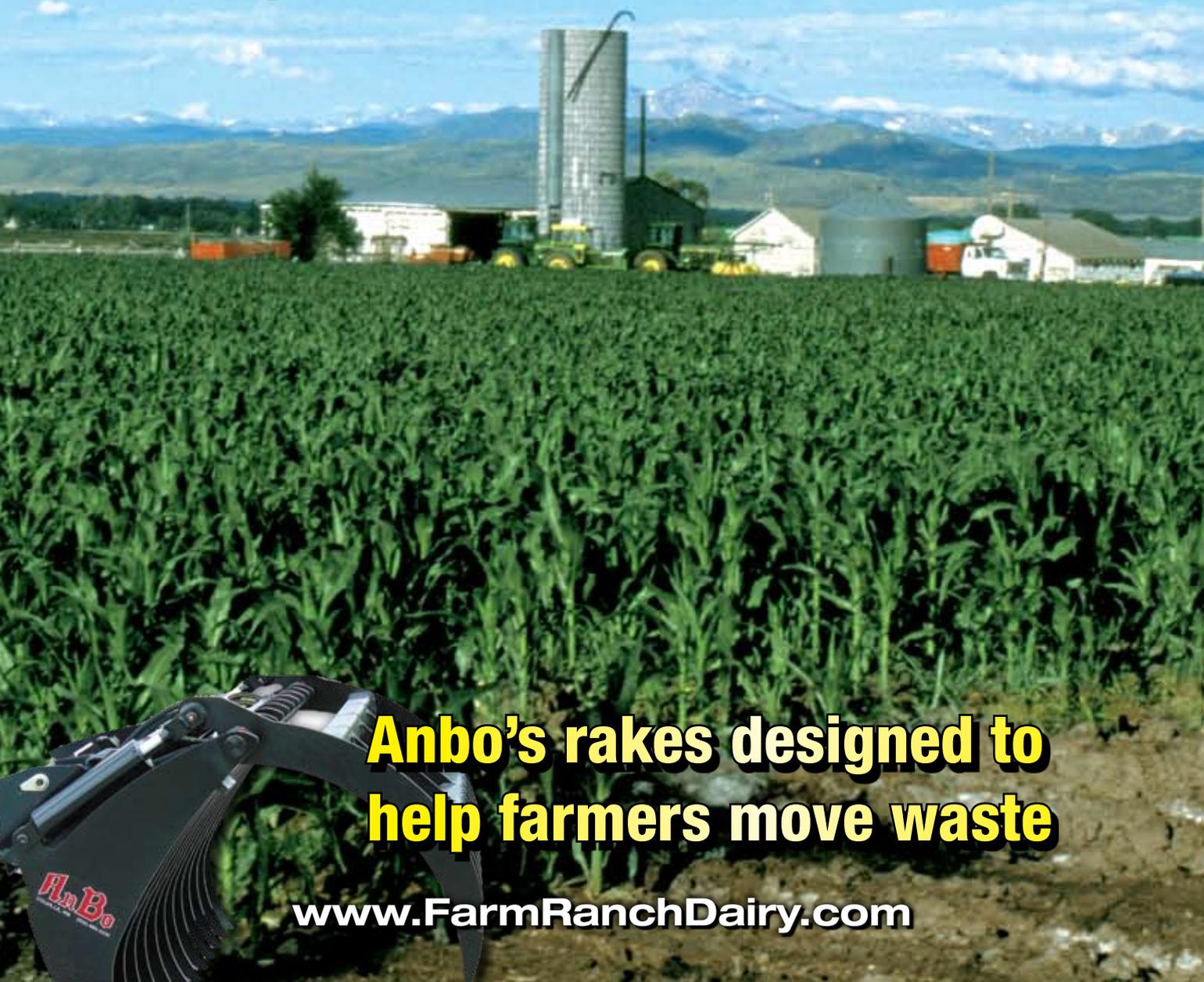
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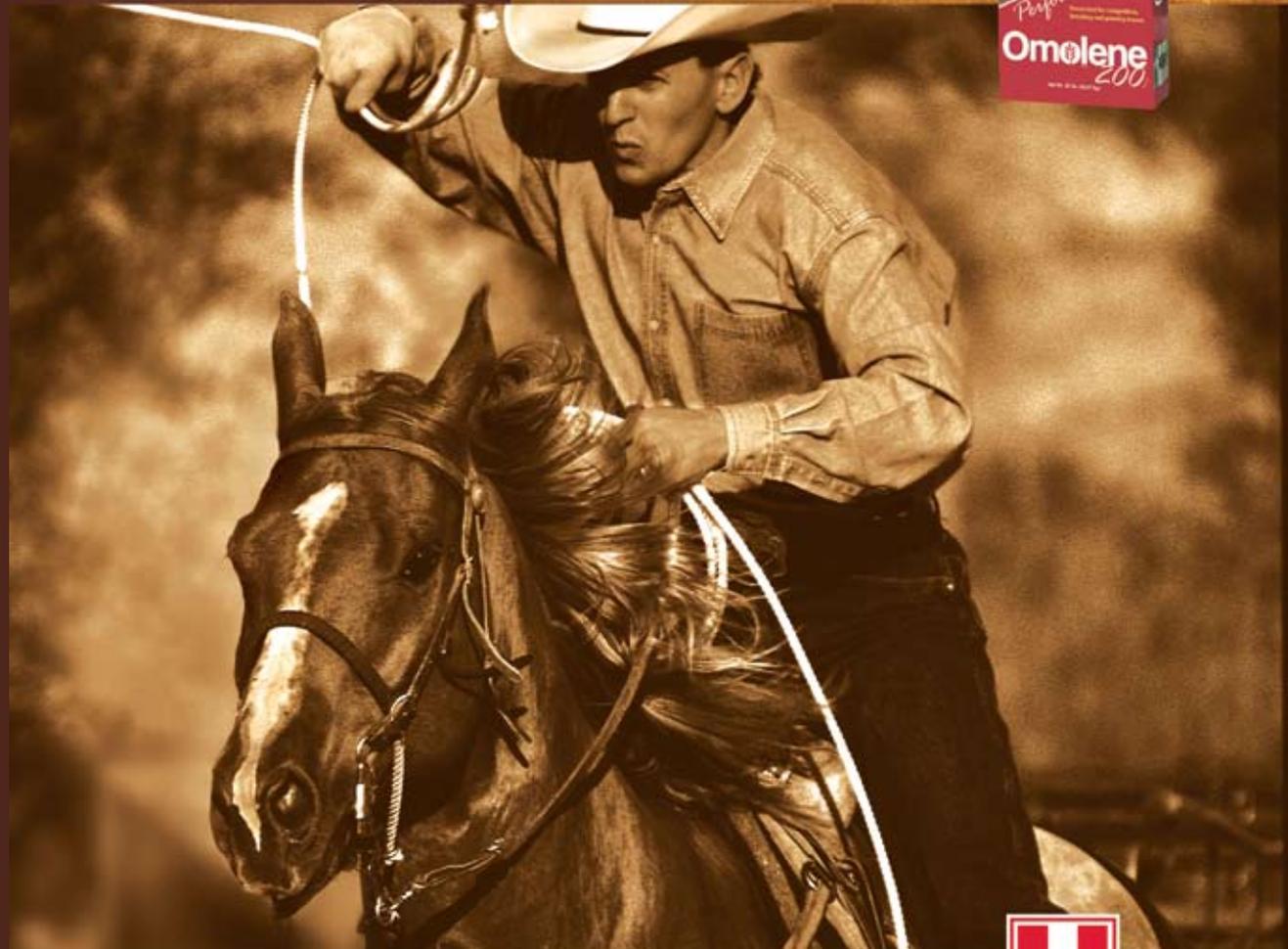
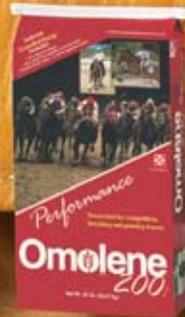
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Corn production in Colorado. Photo by Scott Bauer courtesy of USDA Agricultural Research Service.

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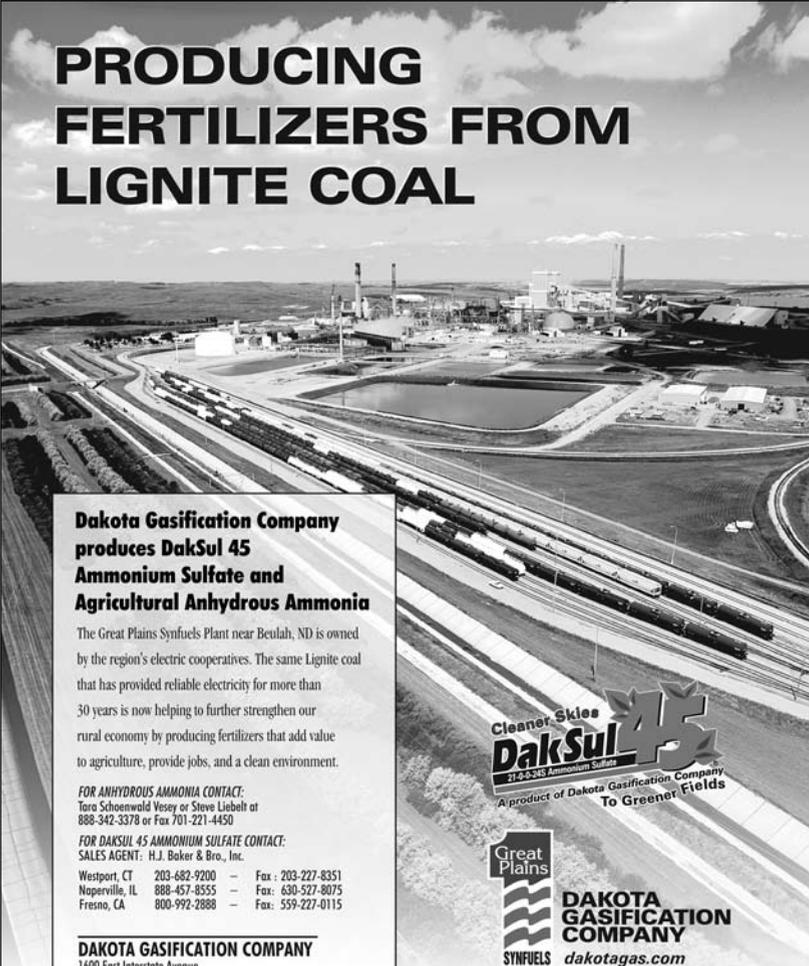
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One-Call of Wyoming

One-Call of Wyoming has made big strides during its inception. Combining two call centers and implementing the 811 number.

Before a locate is made, the excavator/home owner should mark the proposed excavation by white lining the area.

There are seven types of tickets that can be made. The most common is a "routine ticket". This is when a caller calls in and wants to excavate, whether it is planting a garden, a tree or building a fence, garage or patio; putting in a septic system and of course pipelines. The caller is asked several questions, i.e. the callers main phone number; who is doing the excavation; name of person calling; an alternate number; the property owner; city or town; physical address including the nearest cross street and locate description. The ticket number and a list of all underground utilities is given to the caller. The caller should mark down the ticket number all the utilities that are in the area, in case a utility company does not show and mark their facility. All utility companies are not members of One-Call of Wyoming and if this is the case, the caller must call them. State law requires that notice be given at least two full business days in advance of

the beginning of the work, excluding weekends and holidays.

Another type of ticket is a "cancel ticket". The excavator/home owner has made a mistake on location of the excavation, or some other reason and wants the original (routine ticket) cancelled.

A "correction ticket" is when the excavator/home owner gave wrong information on the original (routine ticket).

A "damage ticket" is when an underground utility has been damaged.

An "emergency ticket" is when there is an emergency. The caller is read the state statute that signifies what an emergency is, and if the caller agrees the ticket will be prepared.

A "no response ticket" is when a utility(ies) company has not marked their utilities. The caller calls in another ticket, which in turn costs utility(ies) company's, and One-Call of Wyoming more money. A "positive response" would be a better term – the utility(ies) company would notify the excavator/homeowner that there were none of their utilities in the proposed excavation area.

A "non-compliant ticket" is when the excavator will be working before the two full business day requirement is met.

You can dial the 811 number instead of the 1-800-849-2476 and get the One-Call of Wyoming center. There are still a few glitches, i.e. using a cell phone near a state line, you may get the adjacent state. Most state call centers will either give you the 800 number, or if they have the equipment, transfer your call to the proper state.

PLEASE REMEMBER – DIG SAFELY! CALL 2 BUSINESS DAYS BEFORE YOU DIG! IT'S FAST, IT'S FREE and IT'S THE LAW! 811 or 1-800-849-2476

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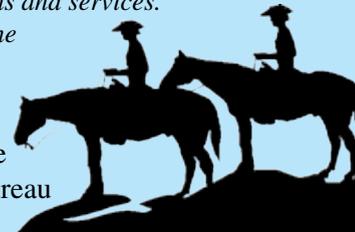
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FARM POND WATER QUALITY MAINTENANCE

By Jim A. Keeton, Fisheries Biologist

A major challenge on the farmstead is maintaining a pond for not only aesthetic appearance, but also a balanced fishery and good water quality. Many ponds are plagued with poor water quality that can result in major algae blooms, fish kills and poor water transparency. Poor water quality is the root of all evil concerning ornamental ponds, resulting in low oxygen; excessive algae and weed growth and not so nice looking water.

Many of us wonder what are the causes of such conditions and how we can correct them. Most biologists know that excessive nutrients such as nitrogen and phosphorus are the culprits of poor water quality. Even small amounts of these nutrients in water can make a major difference between a clean pond and an unsightly pond.

NUTRIENTS

Sources of nutrient entering a pond come from a variety of sources that we call non-point source pollution because it is hard to identify all sources in particular pond water shed. In agricultural areas, run-off from fields, corrals, barns etc. can contribute large amounts of phosphorus and nitrogen if your pond is down stream. Even wells can be a major contributor to algae growth if they are loaded with nutrients. Many people assume if the water from a well is clear and cold, then it must be good when in fact, testing many times reveals high levels of phosphorus and even nitrogen.

MANAGEMENT STRATEGIES



The key to a successful farm pond management and a beautiful pond are maintaining water quality through a variety of options. The best management approach is solutions that are biological and mechanical, without the use of chemicals. In many cases we cannot control sources of nutrient entering a pond, so in-pond methods can be used to reduce nutrients and maintain good water quality and clarity.

These methods include:

Subsurface aeration, consisting of fine bubble diffusers to increase oxygen, freshening water, reducing nutrients and creating a better aquatic habitat for beneficial organisms to return to the pond. Subsurface aeration is the best as these aerators can circulate large volumes of water from the bottom up with low power consumption when compared to fountains. There are even solar powered aerators for lake and ponds that are as good as an electric unit, with no power costs "ever", but will cost more up front.

Beneficial microbial additions, a new technology that is very effective and a very promising aquatic management tool. Microbes can effectively reduce nutrients to low levels, digest bottom sludge and reduce all forms of nitrogen. Various beneficial microbes are now available for different functions, depending upon pond conditions.



Artificial substrates can be added for ponds that are very eutrophic (heavy nutrient levels), to grow beneficial organisms and absorb nutrients maintaining clear water.

To summarize call a professional biologist that can assess your ponds state of health and make recommendations based upon sound science. In the next article we will expand on aeration, biological management procedures and fishery management. 🐾

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The Exciting Bio One Story

The Bio One story is so exciting, I get excited just talking about it!

Bio One is a dormant organic bacteria. Bio One provides nitrogen to the plants when the crop needs the nitrogen. Synthetic fertilizers glut the plant with nutrients and usually at the wrong time.

I'm sure you used to apply fertilizer in the spring and very little during the growing season. Traditional synthetic fertilizers ignore the importance of soil biology. Soil biology includes bacteria,

fungi, micro-organisms, algae and protozoa. There are about 50 million microbes in a teaspoon of soil.

Micro-organisms such as those found in Bio One, have the ability to fix nitrogen from the air. Air is 78% nitrogen, and makes it usable to the plant. The nitrogen removed from the air is called nitrate and it becomes attached to the soil particles. Nitrates are non-leachable and become 100% available to plants immediately. Synthetic nitrogen is in the nitrite form of nitrogen,

which is not available to the plants. It has to be converted to the nitrate form to make it available. Using Bio One, we can reduce our synthetic nitrogen by 50% and unleash other tied up nutrients.

Farmers like to see action today; not next month or next year. Using Bio One, you will definitely see results the first year.

The best part of the Bio One story is that the following year will be even better. The way it looks to me, you are probably looking at 3 to 4 years to balance our soil and reduce synthetic nitrogen more.

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FERTILIZER: AN INVESTMENT FOR 2009 CROPS



(AgPR)-Norcross, Georgia, USA- Like baseball teams across the land, most farmers plan to go into the spring with hopes of the best season they've ever had. But many crop producers will be starting with one strike against them if they make the wrong choice on important fertilization decisions.

"Seems like everyone is concerned about fertilizer. In North America, we did not have a normal fall fertilizer season in 2008 and that is putting a lot of pressure on moving product this spring," explains Dr. Terry Roberts, President of the International Plant Nutrition Institute (IPNI). "There has been lots of talk about price dictating 2009 cropping plans, but farmers are holding off on decisions hoping for

better prices and considering cutting back on phosphate or potash, while retailers are sitting on higher priced inventory. Meanwhile, the clock is ticking."

The time to make fertilizer decisions is getting late. The 2009 crop cannot wait and no one knows if the weather will cooperate during planting. Whether it is corn, wheat, soybeans, or various other crops... yield is determined early in the growing season and farmers don't want to leave any yield in the loss column because of cutting back on fertilizer.

"All of us need to remember that fertilizer is still a good investment. Each dollar spent on fertilizer can return up to two or three dollars or more

in profit, depending on conditions. Farmers cannot afford to cut back on needed fertilizer nutrients, nor chance delaying their application. The current market fluctuations are unsettling and making everyone sharpen their pencils, but let's not forget some basic economics... cutting back on fertilizer below optimum rates will not reduce the cost of seed, pesticides, fuel, rent, or taxes, but it will decrease yields and it will decrease profits," Dr. Roberts points out.

"At the end of the season, many sports teams can look back and analyze where they got off track. For farmers, we want them to look back and know they made the right decision at the start," he adds.

IPNI scientists are preparing information that may be useful to farmers facing the dilemma of fertilizer decisions this spring. For more information, visit the website at: www.ipni.net/fertilizer2009

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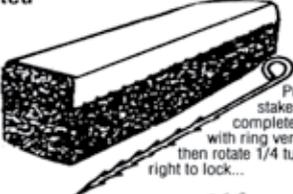
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growers from all neighboring states and several foreign countries including Australia, Canada, Egypt, Russia, Mexico and New Zealand.

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 Laboratory's webpage: www.stukenholtz.com. To improve their service, Joyce and Dale Stukenholtz expanded the laboratory 11 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. Consult-

ing agronomists include J.P. Kruckeberg of American Falls, a 29 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 CFEF 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 37 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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The VARMITGETTER™, a clever gas operated pest control system, is a device for controlling the populations of burrowing rodents, such as gophers, ground squirrels, moles and even badgers, thus greatly reducing the damage they cause to crops, irrigation systems, and landscaping. It is designed for efficiency on large acreages.

VARMITGETTER™ can't build them fast enough. Business is really "booming." In fact, it's best to order before their spring rush begins.

Farmers, ranchers, and dairymen are eager to watch demonstrations of the VARMITGETTER™ destroy pesky varmints on their properties. VARMITGETTER™ currently has distributors across the U.S. and Canada and it continues selling well internationally to folks in all facets of agriculture and land use.

The VARMITGETTER™ operates by forcing a controlled ratio of propane and oxygen into the pests' burrows. With one push of the ignition switch, the resultant blast destroys all the rodents plus their tunnel system. As an added safety measure, an electric cutout switch prevents ignition while gas is being discharged. A high voltage converter, situated in the

applicator, keeps the ignition spark away from the operator at the control box. For added safety, the entire unit is equipped with no less than three flash back arrestor check valves to eliminate any chance of fire traveling up the gas lines.

"Our device is designed to be back-filled in tunnel systems/burrows, containing the concussion, and controlling the noise level," VARMITGETTER™ explains, "making this device very cost effective to operate. If you hear a 'bang,' your losing 75%, or more, of your concussion kill. Because this method kills instantly by concussion, it is more humane than poisons or traps, for just pennies a shot."

What this means to the consumer is the VARMITGETTER™ is more economical, in addition to being more effective. Priced \$700 less than the competition, buyers are getting a lot more bang for their buck, so to speak. VARMITGETTER™'s improved design is likewise more economical on bottled oxygen use. Each blast requires less oxygen to support the combustion of the propane.

On VARMITGETTER™'s website (www.varmitgetter.com), they list 21 advan-

tages of their product over competitors' hand-held models. Most notably, perhaps, is the improved design that allows remote detonation (as much as 25-feet from the burrow). Operators are no longer subjected to what they call "ground zero fragmentation blasts." Additionally, the superior design of the VARMITGETTER™ eliminates dust-covered clothes and allows the owner to view its effectiveness from a safe distance.

The improved design is more easily portable, providing a more consistent gas mix to increase effectiveness, and it gets gas into the burrow much faster for improved results. In fact, these improvements allow VARMITGETTER™ to confidently claim they're able to destroy 100 feet of varmint tunnel in one blast and they've taken out 130-150 feet in a single ignition.

To learn more about the multiple VARMITGETTER™ advantages or to see actual online demonstration footage, please visit the website at www.varmitgetter.com. For inquiries or orders, you may contact VARMITGETTER™ at their Payette, Idaho office. Call 1.877.982.7648 and say "Boom Boom" for a special discount. 

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For more information, contact your nearest SOILPAM® dealer or call 800-764-5726. You may also go to www.earthchem.com 

Varmit getter

The VARMIT getter is a device for controlling the populations of burrowing rodents, such as gophers, ground squirrels, moles and even badgers, thus greatly reducing the damage they cause to crops, irrigation systems and landscaping. It is designed for efficiency on large acreages.

No poisons used, making it safe of organic applications. This method kills instantly by concussion so it is more humane than poisons or traps, for pennies a shot. Our device can be backfilled in tunnel systems/burrows, which contains the concussion, and controls the noise level making this device very cost effective to operate. If you hear a "bang" your losing 75% or more of your concussion kill. In sensitive areas such as sidewall, underground irrigation and foundation, there can be a suffocation method applied without ignition.

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Guides And Outfitters / Understanding Commercial General Liability

Coverage A. Bodily Injury and Property Damage Liability

The insuring agreement obligates the insurer to pay those sums that the insured becomes “legally obligated” to pay as a result of “bodily injury” or “property damage” to which the insurance applies. Today, even small mishaps can result in large lawsuits. Liability insurance protects the assets of a business when it is sued for something it did or didn’t do which caused “bodily injury” or “property damage”. If operating as a sole proprietor, your personal assets and business assets are one in the same and even if operating as a corporation or LLC, this does not totally guarantee that your personal assets are not exposed in a suit. An important benefit stated in the insuring agreement is the insurance company’s duty to defend suite. Although not stated, in regards to allegations or suits that are groundless, false, or fraudulent, the reference to “Any Suits” in the policy form provides the benefit of legal defense against such suits as well as against valid ones. Also related to the insurer’s promise to defend any suit is the right of the insurer to investigate and settle claims. The peril faced is negligence. The hazard exists because of what you do as well as owning or leasing of premises, sale of products, manufacturing products from raw materials., professional activities, and so forth. This is only

a short summary and a review of your policy is recommended. There are also standard exclusions to the coverage as addressed in the policy form.

Coverage B. Personal and Advertising Injury Liability

“Personal Injury” means injury, other than “bodily injury”, arising out of:

- False arrest, detention, and imprisonment
- Malicious prosecution
- Wrongful entry or eviction
- Libel or slander
- Oral or written publication of material that violates a person’s right of privacy.

Advertising Injury Liability means injury arising out of:

- Oral or written publication that slanders or libels a person or organization or disparages a person’s or organization’s goods, products, or services.
- Oral or written publication of material that violates a person’s right of privacy.
- Misappropriation of advertising ideas or style of doing business.
- Infringement of copyright, title, or slogan.

This is a only a short summary and a review your policy is recommended. There are also standard exclusions to the coverage as addressed in the policy form.

Coverage C. Medical Payments

Medical payments provides payment for medical expenses for bodily injury caused by an accident on premises owned or rented or because if you operations. Payment is made regardless of fault.

There are additional sections of the policy that are important that you should review including but bit limited to:

- Who is an Insured
- Limits of Insurance
- Conditions
- Supplement Payments
- Fire Damages
- Standard Exclusions

Important Information :

If a guide is an employee, he/she is by definition an insured in the commercial general liability (CGL) Form. If any guide is not an employee then by coverage form definitions subcontractor is not an insured. There are several options for a subcontracted guide to secure coverage. The purchase of a liability policy would provide liability coverage regardless of subcontracting their services or guiding their own clients. The other option would be an employer purchasing their coverage by endorsement as an additional insured to their policy. Coverage though is only in place when guiding for that employer and not for guiding for other employers or guiding direct clients, A subcontractor guide should also receive from his employer “documentation” that he/she is an additional insured as simply an employer’s statement that “you’re covered” doesn’t necessarily “guarantee you’re covered”. #6

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Tim Reed

In Your Driver's Seat: Whole Body Vibration

By: Alma Jackson RN, Ph. D., COHN-S – Impact Safety Products

As an occupational health nurse, I have seen many workers suffer from back injuries caused by driving. These back injury clients can be divided into two categories. 1) Those who cannot identify a particular incident but state that their back has gradually gotten worse over time. 2) Those who had been driving, got out of their vehicles and experienced a back injury within a few minutes of leaving their vehicle.

Damage to your back can result from vibration of a vehicle or machine passing through the seat into the driver's body through the buttocks. According to the National Institute of Occupational Safety and Health, Whole Body Vibration refers to mechanical energy oscillations, which are transferred to the body as a whole, usually through a supporting system such as a seat or platform. Those most at risk are heavy equipment operators, farmers, and truck, train, and bus drivers.

The back is more at risk for injury in a seated position because sitting tends to flatten the natural S-curve of the back. This posture also creates a load on the lower back that is 50% greater than standing. One of the reasons that back injuries occur within a few minutes of getting out of your vehicle is that the discs and ligaments that support the back have not had a chance to "rebound" to a normal contour. Research shows that the risk for injury is highest in the first two or three minutes

after you leave the vehicle.

Add Whole Body Vibration to sitting and you have added insult to injury. Spine changes related to Whole Body Vibration include

- Fatigue of the muscles and ligaments that support the spine
- Lumbar disc flattening
- Disc fiber strain
- Pressure increases within the disc
- Microfractures in vertebral end-plates
- Increased risk of disc degeneration
- Disc herniation

So, what can you do to decrease your risk? In addition to the standard information about good posture and correct body mechanics, there are two activities that help reduce your risk.

1) Stretch when you get out of the vehicle, especially a gentle back bend and hip stretch to balance the back structures 2) Reduce the effects of Whole Body Vibration when you drive by using a vibration-dampening cushion such as Spine Saver®. It reduces shock and vibration up to 80%. Spine Saver® is a National Safety Council Award winning product that prevents and alleviates back pain due to whole body vibration.

Contact the folks at Impact Safety Products for more information at 866-547-5565 or go online at www.impactssafetyproducts.com. 

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Texas Fence Fixer Fence Fixing Made Easy

One of the most valuable assets for a farmer and rancher is their time. That time can be saved by use of a unique tool called the Texas Fence Fixer.

Invented and patented by Ken Evans of Sequin, Texas, the tool will tighten

or take slack out of barb wire, horse wire, electric wire, net wire and high tensile wire, all with equal ease. "If you're like me," says Evans. "You've spent a lot of hours mending fences, using come a longs, pieces of pipe and most anything you can get your hands

on. It is a back breaking, knuckle busting, time thieving chore and I figured there had to be an easier and faster way. While ranching near San Saba, TX, Ken did a lot of experimenting and modifying until he had invented a tool that really worked on loose fence and the Texas Fence Fixer was born.

Popularity of the tool is easy to understand if you ever had to tighten a sagging fence, only to have it go loose again when the tool of choice is removed.

With the Texas Fence Fixer, no staples or tie wires are removed and with a little practice, the job can be complete in 30 seconds to a minute and when the tool is removed, the fence remains completely tight. To tighten a wire, the arms are spread wide to catch the slack wire between the jaw slots. When the two arms are pulled together and the chain fastened a loop forms inside the tool area. A piece of spare wire is laid across the face of the tool and wrapped a few times on each side of the tool. Then the handle of the fence pliers or smooth pipe is inserted between the two wires and (they are turned (not twisted) together until they almost become one wire and the fence is tight. The wire is not crimped or damaged in any way. The tool is totally American made with parts formed in a Texas foundry, shipped to a 5,000 Sq. Ft. shop in Sequin, Texas, ground to perfection and assembled and painted by the Evans'.

The tool carries a lifetime warranty. For further info or to order, call toll free. 866-882-2896 or visit the web site at texasfencefixer.com Try the Texas Fence Fixer. You'll be glad you did and so will your fences. 



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The Perma-Column system eliminates the need for putting wood in the ground

Midwest Perma-Column is the producer of a concrete column trade marked under the name of Perma-Column. They offer the solution to wood degradation and failure in all applications where wood is used as a supporting foundation structure.

Perma-Columns are the first product to combine the economy of post-frame construction with the durability of a concrete foundation. They come precast with the metal integrated into the concrete post and takes the place of treated wood in the ground. Above ground, they are attached to a wood column. This feature allows standard building practices to be used, and results in a quick, trouble free installation.

There are seven standard models to choose from with specialty columns available upon request to match most

all customer needs. The standard Perma-Columns currently in production



are for use with 3 and 4 ply laminated wood columns in both 2 x 6 and 2 x 8

sizes and 3 solid wood post models.

Perma-Columns are used in both new construction and repair of rotted posts in existing buildings. They are also an excellent choice for house porches, patios and wood decks (anywhere wood is used as a supporting structure).

Additional product lines are Sturdi-Wall and Sturdi-Wall Plus+ brackets that are used on concrete stem walls and floors. Sturdi-Wall are most commonly used in dry set situations while the Sturdi-Wall Plus+ can only be used in a wet set condition. As with the Perma-Columns, they come with a powder coated paint finish.

Call Toll Free: 800-798-5562. Midwest Perma-Column, Inc., 7407 N Kickapoo Edwards Road, Edwards, IL 61528, Email: midwestpermacolumn@msn.com, Web: www.permacolumn.com

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Wet Set Drill Set

AnBo's rakes designed to help farmers move waste

The hydraulic grapple rake, a versatile new tractor/loader attachment, is giving farmers and ranchers greater control and efficiency in cleaning up, moving, loading, and stacking tasks.

While the dirt bucket has been the standard tractor or loader attachment, it has drawbacks in a variety of tasks requiring control and efficiency such as raking, carrying, or stacking.

Because it's more efficient and adaptable than the bucket, the grapple rake, which hydraulically opens, closes, and moves its jaws of spaced metal tines, is becoming indispensable. It can remove trees and brush or surface rake limbs and debris without piling up unnecessary dirt. It can dig out roots, stumps, and rocks. It can pick up, move, and stack logs and hay bales. It can even lightly plow and efficiently tackle a variety of tasks requiring more control than the

typical bucket provides.

Dorman Walser, who farms and ranches 4,000 acres in Crowell, Texas, used a standard bucket attachment on his Caterpillar loader, as well as other implements, to remove trees/brush, move firewood, and haul hay. He was less than satisfied with the results.

"The bucket could pile stuff up, but couldn't rake or stack," Walser says. "It dug into the ground and picked up a lot of trash and dirt that we had to sort out. It wouldn't hold things in place."

To dig out roots, Walser resorted to plowing. "The plows would hang up on roots and tear up shanks," he says.

While hayforks could move hay bales, they lacked the control necessary to stack them. Says Walser, "When the bale rolled off the fork, I'd have to hope it rolled where I wanted it."

A firewood side business was also too manually labor intensive, requiring sort-

ing through logs and debris.

Walser needed a tool strong enough to pick up stumps, logs, and hay bales, controllable enough to stack them, and versatile enough to efficiently rake up twigs and limbs without piling up dirt. It also had to be strong enough to withstand long wear without breaking teeth.

He turned to a hydraulic grapple rake by Colville, Washington-based AnBo Mfg., which specializes in high quality designed products for tractors, loaders, and skid steers.

AnBo built the grapple rake to fit Walser's Caterpillar loader so no brackets were needed. The grapple rake operates with the loader like a bucket. You can raise and lower it, roll it forwards or backwards. Opening and closing its jaws of spaced metal tines is controlled by a third hydraulic function.

Walser chose an 8-foot grapple rake with 6-inch tine spacing to allow dirt but



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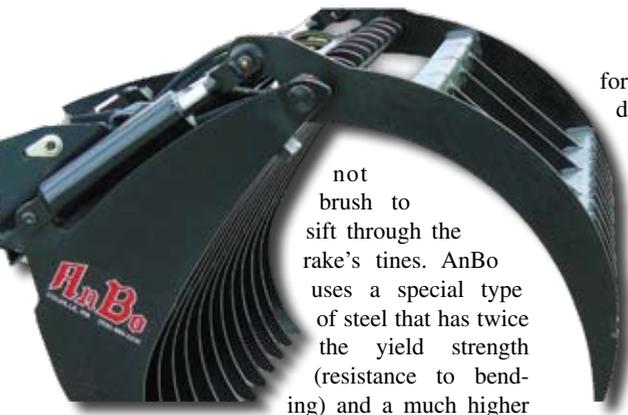
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not brush to sift through the rake's tines. AnBo uses a special type of steel that has twice the yield strength (resistance to bending) and a much higher Brinell Hardness rating (resistance to wear) than T-1 steel.

When he uses the grapple rake to remove trees, stumps, and roots, he's confident it'll pick up the load without bending teeth or cluttering things up with debris.

"I can pick up whatever I want with it, from stumps as big as people to brush, without picking up dirt," he says. "It's great for grubbing out stumps and roots, and can do the work of five men moving and stacking logs in our firewood business."

He uses the grapple rake not only to rake up tree limbs, brush, and trash, but also to lightly plow the ground in preparation for planting improved grass seed

for cattle pasture. "Because you can do everything with it from removing stumps, to raking, to light plowing, it makes for a fast, easy way to get a clean pasture," he says.

Walser uses the grapple rake to pick up, place, and stack square and round hay bales on a truck trailer, in addition to taking hay straight to the cattle from a hay-stack. "The grapple rake gives us more control than a hay fork," he says. "With it, you can pick up, turn, set down and stack bales wherever you want. It's a great tool for so many applications, and is quick to change over from a bucket."

Dennis Sherer, who grows corn and soy beans and runs a cow/calf operation on 2,000 acres southeast of Kansas City, Missouri, had removed trees from a hedge row that was damaging a fence, and whose roots were jutting into a field. He was frustrated with pushing the trees on the ground with a dozer bucket for burning disposal. Trying to remove the roots with a chisel plow wasn't working, and he disliked how waste hay fell from the bucket when cleaning around the cow racks each winter.

He turned to a 7' AnBo grapple rake as an attachment for his tractor loader, and found the going much easier.

"Instead of pushing trees along the ground, I pick them up with the grapple rake and carry them to the pile," says Sherer. "It grabs everything like the fingers of your hand, and gives you more control. With it, you can pick up just about anything off the ground. It saves lots of time picking up waste cow feed to spread over the pasture."

Sherer has used his grapple rake to pick up, move, or load items that are difficult or inconvenient to do by hand. He's used it to pull trees back from fence lines. He's used it to load wood posts. He's used it to pick up scrap iron, old tires, and concrete foundation pieces. With it, he plans to tear down old wood buildings and load them onto a truck for removal.

"It's a great time saver," concludes Sherer. "I wish I'd heard of it earlier."

For more information, call 866-684-3330 toll free; fax 509-684-1997; email sales@anbomanufacturing.com; visit www.anbomanufacturing.com on the internet; or write to AnBo Manufacturing, Inc. at 685 Elm Tree Drive, Colville, WA 99114.

The Columbia Basin Farmer, September 2006

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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 drain-



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age and the ability to run on side hills without losing its prime. The pump, strainer, and main shut-off are mounted underneath the tank in a protected cavity, which also serves as a dual slosh baffle. The top of the tank is designed with a fill catch area to prevent chemical from getting on the operator. The EZ is fitted with a 4 gpm Shurflo Pump and a quality Tee-Jet trigger style handgun in the convenient control panel at your side. All brackets and boomless nozzle or boom accessories are attached to the tank for quick and easy mounting. The EZ ATV Sprayer has several different options and accessories to meet your requirements and needs.

C&R Supply, Inc. is a distributor and manufacturer of agricultural and roadside spray equipment located in Sioux Falls, South Dakota. For over 25 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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MIL-STAK Large Bale Loaders—Fast, Simple, Affordable

MIL-STAK has taken great care to design a large bale conversion that does not damage your New Holland bale wagon. Conceived and invented by a custom hay stacking operator, the goal was to design a fast, simple way to single-handedly load and stack large square bales with a New Holland bale wagon. Equally challenging was to try to retain the ability to quickly switch back to small bale loading. In their large bale loader, MIL-STAK has accomplished just that.

Now offering three models from which to choose, MIL-STAK is able to fit any size of operation, from the family farm to the large commercial operator.

- The model 1030-s is designed for 3x4 bales.
- The model 1028-s is designed for the 3x3 bales.
- The model 1032 is adjustable and able to handle the 3x3 and 3x4 bales with ease.

All three models are built extremely strong to withstand many hours of continuous use as well as designed to easily switch to and from large bale loading with a few bolts and hydraulic quick couplers. Everything is either bolted on or plugged in. There is no welding on your bale wagon and no wires to cut. By utilizing your bale wagon's existing controls, the operator can quickly and easily load a tight, uniform stack of large bales. With features like an Air Bag that virtually eliminates any side roll of the bale wagon, a specially designed Cushion Valve which allows operators to gently place bales on the second table, and a Second Table Booster that helps lift the extra weight of the large bales by lifting towards the front of the second table, which greatly reduces the stress on the pivot pins, the MIL-STAK Large Bale Loaders are not only a joy to work with, but will help by reducing

wear and tear. Add in the matching yellow and red paint job, and it's evident that MIL-STAK is the leader in quality and appearance.

New for 2009, New Holland H9800 series bale wagons come straight from the factory ready to mount a fully computerized MIL-STAK Large Bale Loader. All mounting holes are predrilled for easy installation. Sensors have been added to the MIL-STAK Large Bale Loader which plug into the H9800 series wire harness. The H9800 series bale wagon automatically detects the MIL-STAK bale loader and switches into large bale mode, enabling automatic operation of the MIL-STAK bale loader and use of the built in large bale stack patterns.

MIL-STAK...fast, simple, affordable. For more information, call (208)-452-6045, fax (208)-452-6065, or write MIL-STAK, INC. at 1350 Glenway Ave., Fruitland, ID 83619. 

Remote-Controlled Wireless Tail Lights

Magnetic, wireless tail lights are Terry Stiles' solution to the frustration of trying to maintain conventional lights on his equipment and trailers.

"Repairing or replacing broken tail lights on farm equipment and boat trailers used to be an ongoing headache for me and many people I know," the Malta Montana rancher says. "With the repair time and replacement costs involved, I knew there had to be a better way, so I spent 2 1/2 years designing and perfecting these portable, magnetic lights."

The convenient system comes with two magnetically-backed lights, and a remote control transmitter for operating them while driving. The system provides turn signals, running lights, brake lights, and hazard lights, depending on the driver's commands. The lights can be moved from one trailer to another in a matter of minutes without any tools.

You usually don't find out that you have a tail light problem until you're away from home and it's dark. With these along, it's no problem to get home because they're so quick and easy to

use. You will never again be without lights when you need them.

In today's world these lights are cheap insurance.

Easy On Wireless Tail Lights sell for \$289.50 plus S&H

Contact: Easy On Wireless Tail Lights, Terry Stiles, President, 7400 Kid Curry Rd., Malta, Montana 59538 Easyonlights@mtintouch.net; To order call: Ph 866-889-8386 or www.easyontailights.com 

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Wachtman Agri Supply Makes Equipment To LAST!

For the past 21 years, owner Loren Wachtman and his crew have been manufacturing and selling long-lasting, competitively priced plastic fertilizer augers for use with gravity wagons, trucks and planters.

“We offer fertilizer and seed handling auger systems, using plastic to reduce corrosion and maintenance,” Loren says.

And now, as part of their commitment to keep up with the latest trends in agriculture, they’re offering seed-fill systems for today’s new no-till grain drills which feature flexible, polypropylene bristle flighting to move soybeans and other fragile seeds quickly and easily while still maintaining high quality.

“We’re concerned about the quality and durability of our systems,” Loren says.

“Having grown up on a farm, I know the importance of high quality and durable equipment.”

Wachtman Agri Supply offers horizontal crossaugers for most popular 4- to

16-row planters and 15- and 20-foot grain drills; mounted truck and gravity wagon augers; and such accessories as 6-inch steel-core bristle flighting and 6-inch plastic flighting with a stainless-steel core.

Loren is especially proud of his new radius-track drill-fill auger.

On this unit, a single vertical auger is taken out of the transport cradle and the hopper is placed on the ground behind the center of the drill.

The upper portion of the auger is held in place by a trolley, which travels from side to side on a radius track that’s mounted behind the drill.

As the auger travels from side to side, the intake hopper remains in its original position on the ground.

This auger features PVC tubing, a plastic hopper and either steel-core bristle flighting or plastic cupped flighting. Loren’s Rust Evader Auger Systems have been formally recognized as Showstoppers at the National Farm Machinery



Show in Louisville.

Loren is planning a larger building in the near future to accommodate his growing business and he’s looking forward to offering new products for the constantly changing agricultural equipment market.

And while his business IS going strong, it’s not too big to care about the individual farmer.

“We feel we’re still small enough to provide our customers with personalized, helpful service,” he says.

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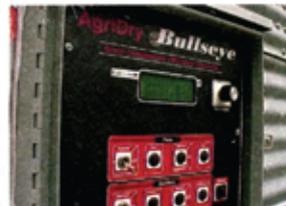
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Midwest Homebrewing and Winemaking Supplies has been helping folks make their own beer and wine at home since 1995. Midwest offers all the equipment and supplies you need to make your own excellent wine and beer at home. Beer making kits start at \$59.95 and winemaking kits start at \$72.95. Midwest includes a free 90 minute instructional DVD with any purchase.



Making beer at home has never been easier and the quality of the finished product rivals that of micro brewed beer. Midwest offers 103 different recipes to choose from and all of the ingredients you need to make your own custom recipes. Could you be the next Sam Adams? Jim Cook, the founder of Sam Adams started as a home brewer while he perfected his recipes.

Beer recipes are available for beginners to expert homebrewers. Either way, Midwest has a "How to" DVD that takes you step by step through the process of brewing beer at home in your kitchen. Simply pop in the DVD and start brewing. You see the brewing process demonstrated from the boiling process

all the way through to the bottling process.

Making wine at home has never been more popular. Back in the 1970's winemakers made wine from what ever fruit they could get their hands on. You may remember the Plum or Beet wine your neighbor or Uncle gave you that made your eyes water. The times have changed. Today winemakers use high quality wine juice from all over the world. This juice has been acid adjusted and pH balanced to insure optimal results. Make high quality wine the first time you try!

About 75% of winemakers are making wine from juice kits which yield 6 gallons. The other 25% are making wine from fruit and grape juice. The wine juice kits do not require much time and effort. Your reward is 30 bottles of wine that cost between \$1.75 to \$2.75 a bottle. Midwest's DVD demonstrates how to make wine from fruit and grapes. Winemaking is truly a hobby that you can do for the rest of your life.

Midwest has a free 80 page catalog which is available upon request. The catalog has over 2000 products in it related to beer and winemaking. Midwest's "How to" DVD is free with any purchase. Gift certificates are available on-line. Beer and Wine kits make great gifts!

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Roasted barley—Your roasted barley will grind easier because roasting ruptures the kernel. One commercial miller stated that grinding roasted barley is 25% faster than raw barley. This saves time and grinding costs. Roasting increases digestibility by breaking down the cell structure within the grain so it will be readily available to the animal. Dairy and swine feeders comment that they are

unable to find barley floating in the lagoon when roasted barely is fed. It is more palatable and the animals will be drawn by the sweet fragrance of roasted barley.



Roasted corn—Roasting corn through an open flame gives a purer feed because

it dries away moisture and burns off the mold spores. Because of the purging effect, the dairy and cattle feeder can experience lower vet bills, better breeding, less abortions, and less physical stress on the animal for more production of milk and meat.

Roasted soybeans—The soybean becomes more digestible and also provides more energy. One thing every farmer loves is to have his milk production raised to a higher level. By roasting your grain in a flame-kissed grain roaster, you will receive more milk. University studies show a sound increase in milk production over raw soybeans, so why waste your grains. Don't waste it, roast it! Roast-A-Matic Grain Roasters 416 Union Road Lebanon PA. Call 800.452.4004

Bronze & Silver Pins Awarded to Tyler Ottensmeier

Tyler Ottensmeier, McLouth, Kan., earned the National Junior Angus Association's (NJAA) Bronze and Silver Awards, according to Robin Ruff, junior activities director of the American Angus Association® in Saint Joseph, Mo. The 15-year-old son

of Ken and Jackie Ottensmeier attends McLouth High School.

Tyler is a member of the Kansas Junior Angus Association, where he's been a director. He has participated in the regional officer training, Raising the Bar. A member of the NJAA since 2001, Ty-

ler has shown his cattle on the county and national level. At the National Junior Angus Show (NJAS), Tyler has participated in the poster, team fitting, extemporaneous and prepared public speaking contests as well as the All-American Certified Angus Beef® Cook-off. He submits weights to Angus Herd Improvement Records (AHIR®), and he consigned a female to the 2009 Kansas Angus Futurity.

The Bronze and Silver Awards are the first two levels of the NJAA Recognition Program that began in 1972. Junior Angus breeders must apply for the awards and then meet point requirements in many areas of participation before receiving the honors. Applicants are evaluated in areas of junior Angus association activities and leadership, participation in showmanship, contests and shows, using performance testing to improve their herd and their progress in producing and merchandising Angus cattle.

The NJAA promotes the involvement of young people in raising Angus cattle, while also providing leadership and self-development opportunities for nearly 7,000 active members nationwide.



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Rio Hondo is family owned and managed by Richard and Lynn Brook. Rio Hondo is Spanish for the "deep creek" running through the Brooks' ranch situated in the Snake River Valley of southern Idaho, 4.5 miles west of Buhl, along Scenic Highway 30.

The Brooks have been in the ranching and farrier business for 35 years, having complete knowledge and expertise pertaining to the horse shoeing industry

including distinctive brand name tools and supplies. They also include their son and daughter, Rick and Surya in the daily operation of the business emphasizing friendly service and customer satisfaction.

The Brooks' thorough knowledge and experience in cattle ranching has prompted them to offer consumers Hi-Hog, "The Outstanding Brand" in farm and ranch livestock handling equipment. Rio Hondo

will be the only provider of Hi-Hog equipment in Idaho. An "onsite" equipment display offers consumers a "no obligation" demonstration with the opportunity to check out the high quality and ease of handling this exclusive equipment offers.

Rio Hondo would like to take this opportunity to thank all of our customers for their support and patronage. We appreciate your business, and look forward to supplying your needs in the future. 🐾

Biogenetic Services, Inc.

Biogenetic Services, Inc., an animal and plant protein/DNA testing business located in Brookings, South Dakota, recently announced the introduction of a new DNA blood test for determining resistance versus susceptibility to BSE (Mad Cow disease) in cattle. Breeders and producers now have a powerful tool available to help them identify, select and breed resistant animals to thereby improve the

level of resistance to Mad Cow disease in U.S. cattle populations.

The immediate benefit to cattle breeders and producers and ultimately to consumers is that selective cattle breeding programs will lead to cattle populations with higher levels of resistance to BSE (Mad Cow disease).

Thus, it is abundantly clear that this DNA blood test is a powerful tool capable of rapid identification of cattle

possessing genotypes associated with phenotypic expression of BSE and that the information obtained with this tool is invaluable to both the domestic cattle industry as well as to consumers and their human health.

To obtain additional information about services and prices visit www.biogeneticservices.com, Email: biogene@brookings.net, call 1-800-423-4163 or fax 605-697-8507. 🐾



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SCHAFER FARMS

It is not always easy to raise goats in West Texas. The pastures are often sparse, with an annual rainfall of 13 inches. Schafer Farms runs an average herd of 400 goats on their 160 acre farm and about 900 acres of native pasture. This is accomplished through a rotational grazing system using drip irrigation and conservative use of pasture. The drip irrigation conserves water because it is installed 15-18 inches beneath the ground and feeds the root system of the plants. Schafer Farms plants a mixture of beardless wheat and oats in the fall of the year which provides excellent grazing for recip does and their new offspring. This small grain crop lasts until the Texas weather heats up usually in May. At that time, the does go back to native pasture. The farm also has a permanent grass on some of the sections of drip irrigation, which can be grazed year-round, but goes somewhat dormant in the winter. However, goats like dry grass, and seem to do quite well on it. The rest of the rotational sections are utilized with hybrid sorghum, which is usually baled in the summer, and then grazed after the last cutting until well into the first frost of the winter. It provides dry matter for the goats, but has to be supplemented with molasses tubs in the winter. However, it is not uncommon to harvest 90 round bales of hay from

12 acres of drip irrigation, with fertilizer being put right through the irrigation system. These bales are put back for feed for the winter months. With any help from Mother Nature in the form of rainfall, there can be up to 3 cuttings for hay.

Schafer Farms, Hugh and Ann Schafer, are pioneers in the development of the boer goat. They were members of a syndicate that imported some of the first boer goats to the United States. They are dedicated to promoting the breed for showing, breeding, and commercial use. Each year is a challenge to produce better livestock



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- *California Gold Rush Sale on April 25, 2009, in Oakdale, Ca. which is a production sale (breeding stock).*
- *We will have our wether sale at the farm on June 1, 2009, at 7:00 PM.*
- *June 6, 2009, we will be in Goldthwaite, Texas, for the Lone Star Elite Wether Sale, at 1:00 PM.*
- *Private Treaty wether sales will begin on June 7th, at Schafer Farms.*
- *All wethers sold by Schafer Farms will be eligible for the Lone Star Elite Jackpot held annually at Snyder, Tx. on November 21, 2009.*

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than the previous year. Their goal is to produce the best stock for their use and for their customers, and to stand behind what they sell. They have sold to 25 states and 6 foreign countries.

Schafer Farms will be bringing their top-line genetics to buyers from West Texas to California to the Midwest this year. In order to provide these animals, they use embryo transfer and artificial insemination, as well as natural breeding.

Schafer Farms has produced a National Reserve Champion Buck in 1998, and a National Reserve Champion Doe in 2003. They have also sold many champions. In the last few years, the wether competition for 4-H and FFA has become phenomenal, and Schafer Farms is dedicated to producing some of the best wethers in Texas. In 2006, they produced the Grand Champion Wether at The Arizona National Livestock Show in Phoenix, Az.

Schafer Farms' schedule for 2009 includes the following:

- *California Gold Rush Sale on April 25, 2009, in Oakdale, Ca. which is a production sale (breeding stock).*
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Remember, no one is a stranger at Schafer Farms where "A handshake is as good as a contract".



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The patented PREG-TONE uses high frequency sound waves called ultrasound to detect amniotic fluid present during pregnancy. When this fluid is detected, the instrument produces a loud continuous tone. When used on an animal which is not pregnant, the instrument produces an intermittent tone. The intermittent tone also indicates that

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No guessing and no question. Clinically proven 100% accurate on normal sows, 97% accurate on ewes.

The RENCO PREG-TONE has been tested against other ultrasound instruments by leading universities throughout the world. Their studies show the PREG-TONE as the superior instrument in both accuracy and ease of use (studies available upon request).

Testing may begin as early as 18 days with swine (large litters, 11-12 piglets). Open sows can be diagnosed as early as 30 days. Normal testing time in sows and gilts is 30-73 days.

Pregnancy testing in ewes can begin as early as 30 days, with positive diagnosis made by 45 days. Normal testing time in ewes is 30-120 days. Testing on large New Zealand White rabbits can begin at 10 days.

Loud, easy to hear tones.

During testing, no lights are used, no buttons are pushed, thus attention is not diverted from the animal. A short intermittent tone indicates good contact, while a loud continuous tone indicates

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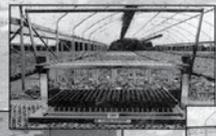




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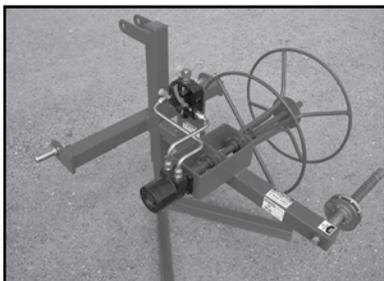
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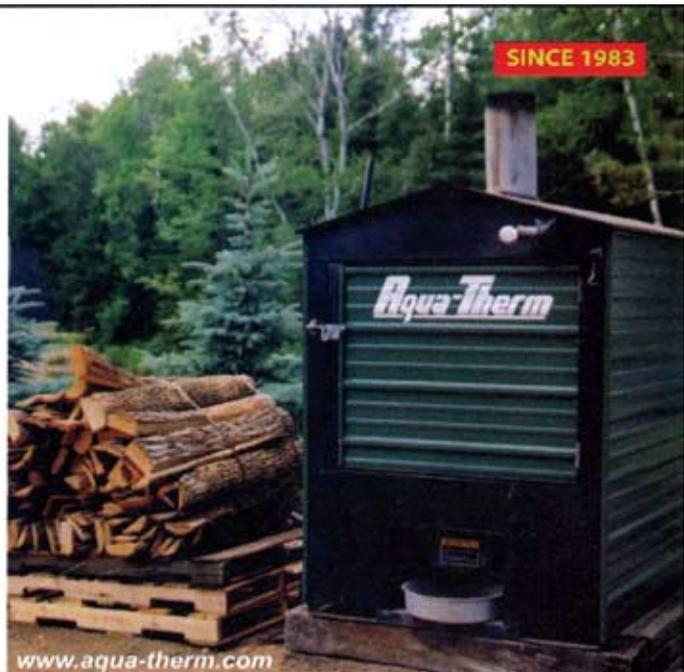
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