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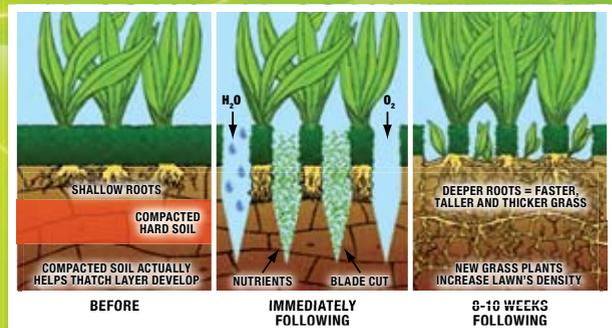
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West/Southwest • summer/fall edition 2016

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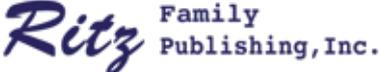
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## Stukenholtz Laboratory Inc. Celebrating 46 Years of Agricultural Testing

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 Laboratory's webpage: [www.stukenholtz.com](http://www.stukenholtz.com). To improve their service, Joyce and Dale Stukenholtz expanded the laboratory 19 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 37 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 45 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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Agronomists: JP Kruckeberg, Bart Kunz, Cameron Brower, Antone Christensen, Wess Gibson

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# Sunny D Mfg., Co. Inc – *The Oregon Roadrunner*

The Oregon Roadrunner, manufactured by Sunny D Manufacturing Company, Inc., is the all purpose machine when it comes to loading and unloading blocks of hay, everything from a stack of bales in the field to a six-pack of 3x4 bales. What used to take several people hours to buck the hay, whether loading trucks, unloading trucks, or moving the hay from one truck to another, now takes one person just minutes to accomplish. There is no other machine that can match it.



## Humble Beginnings

In 1971, Art Davina – then a rancher in Bonanza Oregon – saw the need, designed and built the first Oregon Roadrunner.

That machine is still being used today.

While struggling through the hard times, redesigning to incorporate new ideas and improving on old ones, and building a strong customer base one customer at a time, Art managed to build his back-yard business to a point where he was able to open his first shop. By 1985 the business was large enough that he began the process of incorporating it. Later, needing more space to meet customer demand, he bought a larger property, and moved the business to its current location in Klamath Falls.

When health problems forced Art to take a step back and de-stress his life, he wanted to find the perfect person to take the reins. Ed Majors took over as GM in 1998 and in 2003, began the process of buying the company from Art. Today, Ed officially owns it.

## Sunny D Today

From those humble beginnings in 1971 to the 21st century, Sunny D Manufacturing Company Inc. has grown to a business totaling 15 employees. Welders, fabricators, mechanics, a painter, and various support personnel create from bare metal the machine that called “The Oregon Roadrunner.” What used to be only available in white with your choice of stripe, a customer can now choose their color and design. For more information, call 1-541-884-2361, or write 4343 Highway 39, Klamath Falls, OR 97603. ✪



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There has been some speculation about the acceptability of the direct harvest system due to the high losses of beans, therefore keep using the Uibly Bean Knife for the best possible cut and quality for your money. Do what hundreds have already done. Make Uibly Your Advant-EDGE.

### Peanut farmers rejoice!

Uibly Peanut Digger Blade Manufacturing, Inc., a subsidiary of Uibly Bean Knife Mfg., Inc., received a patent for the Uibly Lifting Fingers, stainless steel lifting fingers that are flat and curved upward to better guide peanuts up on to the top of the elevator during the digging process.

Used with their patented Uibly Digger blades, which have a thin, hard-faced edge to stay sharp and always cut the tap root, the lifting fingers and the smaller diameter Uibly 6-inch Bottom Elevator Idler Wheels raise the peanuts without turbulence and in a smooth, uniform ribbon to the top of the elevator.

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# FARM FOR UNDER 3%!

**B**argain interest rates may be the optimistic news for farmers this year, as both long and short term rates remain at historic lows. But while many lenders cling to old Prime Plus formulas for establishing loan rates, others prove they can do better.

"Farmers can borrow substantially under 3%, and close to half of what Prime plus 1% formulas are," according to AGRIfinancial Services, a nationwide lender focusing exclusively on farm lending. Headquartered in Louisville, KY, the company provides an alternative way to borrowing for operating needs, as well as long term fixed rate mortgages.

"It's like a home equity loan, but for farmers," they say. AGRIfinancial Services works with California and western producers in all lines of the industry. Instead of crops or machinery for collateral, farmers use their real estate to back the loan. The resulting benefits pay off with customers.

Not only is the loan rate very low, but the product also offers a 10-year commitment where producers do not have to come in every year, or 3 years to renew the line. Additionally, the loan can be used for farm and business needs – not strictly operating expenses. The loan is priced based on a variable, LIBOR-indexed rate, but farmers can also choose to lock pieces of their debt to a fixed rate if they desire, he explained. All is done inside the loan, without the need for refinancing.

It's quite an amazing loan product and an example of what nontraditional lenders like AFS have been bringing to the market. The company is owned by CGB Enterprises, a major

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# equipment

## Walinga

### Bulk Feed Bodies & Grain-Vacs

From concept, design and through production, Walinga meets the customer's needs at every step.

Creating outstanding products that are innovative and durable, with some client's vehicles being passed from generation to generation.

Walinga is a leading North American manufacturer of transportation equipment and portable pneumatic conveying systems for grain, feed, seed... virtually any dry bulk material. Walinga is still a family owned and operated company. The total commitment to quality is not only our inheritance - it's our foundation for the future.

Walinga products represent the best in manufacturing excellence. Our in-house engineering and design teams utilize the most current computer technology available. State of the art equipment, combined with over 60 years of experience, ensures that our customers receive unsurpassed quality.

Comprehensive engineering capabilities allow us to offer sizes, capacities,

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

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

#### Walinga Agri-Vac

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

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#### Bulk Feed Trailers and Bodies

Walinga Inc. has been manufacturing bulk feed transportation equipment for more than 60 years. In this time we have become committed to an ongoing program of research and development. In response to the increasingly diverse needs of our customers Walinga is and will continue to be on the forefront of technological evolution.

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

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# RanchWorx Built for Results - Overbuilt to Last

**A**round the world, our dependency on forage crops and food grains are ever growing as we continually try to accomplish more production on less land. This is especially true to dependency for the demand in production of numbers with the world food market. When utilizing the remaining precious acres of farmland, producers have used soil aerators as a way to achieve soil sustainability and found that it is the best input dollar spent for long term soil health and profit in a forage crop.

When someone pictures an Aerator, the view of a residential yard with thousands of small cylindrical discarded soil probes sitting on top of the turf can come to mind. An Aerator designed for agriculture is actually quite different. The reason they are so different, is that an agricultural aerator such as the RanchWorx Series Aerator does more than just aerate the surface soil and rhizome layer, they create large and very deep fractures into multiple soil horizons. These deep fractures are what separate a capable agricultural aerator from an aerator designed for turf applications. Unlike the RanchWorx Series Aerators, most of the competition have taken the theory from aerating residential turf to the agricultural market. Over 40 Years ago RanchWorx took a different approach to the spike or tine-style aerators with a focused design to not only create a massive series of fractures, but create these fractures deeper into soil multiple soil horizons, and in a durable manor to perform in any soil type.

Why is durability such an important part of Aeration? Durability is what enables a RanchWorx Aerator to penetrate the hardest soils on earth, crush and bounce over rocks, and be a machine that is commercially rated for brush clearing. In agriculture, implements need to hold up to a large variety of situations as mother-nature is the one calling the shots. When

---

## Vermeer Rocky Mountain, Inc.

**V**ermeer Rocky Mountain, Inc. is the authorized dealer of Vermeer industrial equipment in Idaho. We are proud to provide our customers with dedicated sales, parts and service in the tree care, landscaping, wood waste and organic recycling, rental, underground construction and surface mining industries.

Now located in our new building at 6434 W. Gowen Rd in Boise, Vermeer Rocky Mountain is excited to bring our customers a higher level of support. Our new building features six large service bays with access for larger machines. A building remodel for the parts showroom and storage will begin the Summer of 2016 to provide more in-stock parts availability.

Be sure to stop by our new building, or give our sales department at call at (800) 895-9548 to see what Vermeer Rocky Mountain can assist you with in your farming, ranching and dairy needs.

it comes time to aerate, being able to finish the fields with zero down time is the goal, while moving at higher rates of speed. Down time during an aerating window can be a detriment to the season's profitability.

"Here at Sade Farms, we have used a variety of implements designed to help rejuvenate our hay fields and keep them in production. The cost to tear up our fields and rotate them to crop, and then back to hay or pasture is not a profitable option for us, we needed to keep our grass in production longer, and therefore started to see production losses due to Hard Pan. At that point we tested a RanchWorx single drum aerator and have seen an eliminated hard pan and significant water retention and drought resistance. Production gains paid for the cost of the aerator in the first three years."

Many producers have seen the value in soil Aeration due to less dependency on fertilizers and irrigation costs. If aerating soil with an adequate aerator, this will retain more moisture and promote the natural movement of nutrients through the nutrient cycle.

Water retention will be improved with deep soil fractures created by an aerator, as moisture will always follow the path of least resistance. If these deep fractures are in place, water will travel vertically into the soil structure to where it can be stored and utilized by the plants. Roots will be encouraged to grow deeper to reach water, which will aid in plant density and height contributing to increased yields. The deeper that water is stored in the soil, the less susceptible it is to evaporation caused by atmospheric conditions. Water that is stored near or on the surface of compacted soils is the first level of moisture lost in the event of drought conditions. The longer the crop goes without moisture, the sooner it will go to seed and die off leading to less production weight. Aerated ground is more tolerable to drought and will have less wasted areas of standing water as the field will be absorbing any moisture that falls; not just what can be absorbed in the top few inches.

Erosion is a scary term when considering the sustainability of our fertile soils. As no-till farming practices become mainstream, compaction related soil problems are raising. Fields facing Hard Pan (be consistent with upper or lower case) and compaction issues will see a higher loss of top soil erosion due to water running horizontally across the surface and taking viable nutrients and organic matter with it to nearby ditches and low lying areas. Wind erosion will also be prevalent as root structures will not be as deep in the soil and offer less stability to the soil. This is especially noticeable in times following harvest, during dormant seasons, and in times of over-grazing.

Vertical Tillage Equipment has been around for numerous generations; nonetheless Aerators have become very popular throughout the years as an efficient way to retain more moisture, alleviate compaction, and stimulate plant growth. With the correct Aerator for the application, soil health will be improved and production will be increased without question. Most RanchWorx Customers are happy to share their testament regarding their experience with anyone whom may be interested in testing out aerating.

# livestock

## SweetPro Feeds of Walhalla, ND

**S**weetPro Feeds of Walhalla, ND produces Vitamin, Mineral and Digestive Aid supplements for livestock and has pioneered the use of Distillers Grains (DDGS) on rangeland.

Dried Distillers Grains (from ethanol production) as a carrier for supplementation provides significant benefits to the Rancher, the Feeder, the Consumer and the Land itself.



Although used in feedlot and dairy settings, until SweetPro's patented non-molasses DDG block became available

for rangeland applications, the benefits of feeding Distillers Grains were unavailable to these non-bunk fed livestock.

Historically many small farmers steeped barley before feeding it to their animals. While this practice faded due to various influences such as economies of scale, elements relating to this fermentation of grain have been refined by SweetPro Feeds. SweetPro has overcome the historic mechanical limitations and taken the science to new levels with stabilization for open range feeding, organic complexed trace minerals, four classes of viable digestive enzymes and prebiotics to deliver maximum performance potential. Feed efficiency is improved by 25%.

Additionally, a blend of cereal grains (wheat, oats, and barley malt) plus flax are used in the proprietary fermented blend additive, "ProBiotein." This assures that the most complementary amino acid profile is available.

SweetPro complements a forage based diet by NOT using starch or sugar (which can create a rumen Negative Associative Effect) as the main ingredient.

SweetPro blocks also produce a unique dynamic which both influences the total protein and the type of protein available to the animal. Total protein is improved, not just from the

Continued on page 17

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# Powder River introduces new 2000 Series Squeeze Chutes

**P**owder River squeeze chutes are known worldwide for their strength and durability. Powder River introduced the first all steel commercial squeeze chute in 1938 and has been making products loved by ranchers for almost 80 years. In the last year Powder River has been introducing a new line of squeeze chutes, the 2000 series. These chutes are highly engineered with safety for the animal and operator in mind. The 2000 Series Chutes are bull tough, simple and easy to use, and provide features that benefit speed and durability.

The Powder River 2000 Series Chutes come in 3 major configurations with some additional options. The chassis is similar on each chute and all embody the quality that customers have come to expect with Powder River. All 2000 Series Chutes feature standard: side exits, adjustable floors, split kick pans, dual sided v-squeezes, and an ultra-low profile floor.

The H2000 chute is a hydraulic actuated chute at an economical price. The headgate, center squeeze, and tailgate are hydraulic while the easy to use floor adjustment remains manual to save cost. The M2000 chute is the next evolution of the best selling Manual XL chute (eXtra Long) that is still a Powder River favorite. The M2000 stands out with its rack and pinon headgate and in-line center squeeze that removes handles from the operator's way. The headgate is fast and has a very fine latching mechanism that delivers tighter catches. It also features a neck extender (standard) to aid in head control.

Rounding out the group, the S2000 features a self-catch headgate that offers smooth operation and lots of adjustability. The S2000 can also be ordered with the groundbreaking Stabilizer feature. The Stabilizer is a secondary headgate that catches the cow again in front of the shoulders gently isolating neck movement and al-



lowing unprecedented head control while retaining neck access.

If you have been thinking about a new squeeze chute, there is no better time to look into the Powder River 2000 Series Chutes. Talk to your local equipment dealer or visit [www.powderriver.com](http://www.powderriver.com) to find a dealer near you.



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# Bio S.I. Technology – Floor-Mate and Jackpot

The livestock industry is volatile, at best, and often downright difficult. Minimizing loss and increasing animal health are two factors which tie directly to the bottom line. Bio S.I. Technology's line of livestock products include Bio S.I. Floor-Mate and Bio S.I. Jackpot direct-fed microbial. Bio S.I. Floor-Mate is an environmental spray that reduces ammonia and begins breaking down solids, thereby reducing odor. Bio S.I. Jackpot is a direct-fed microbial that works in the digestive system to improve natural immunity and performance.

Bio S.I. Jackpot is ideal for use in receiving programs, weaning programs and hospital pens. Received cattle will benefit from a one-ounce oral drench by means of the high concentration and diversity of microbes. Bio S.I. Jackpot will repopulate the digestive system with microbes that were lost due to shipping stress and illness. One of the most important factors in a receiving program is to ensure the rumen is functioning; without microbes in the digestive system, ruminants essentially starve. Maintenance doses in drinking water or applied to daily feed ensure cattle receive the maximum benefit of competitive exclusion and performance.

Weaned calves benefit from Bio S.I. Jackpot in several ways. Utilizing direct-fed microbials allows the rumen to begin working faster which reduces transition from mother's milk to grain and roughage. Reducing the propensity of scours will save time and money from a treatment standpoint and ensure that the cattle are reaching their anticipated average daily gain. Cattle receiving Bio S.I. Jackpot are also more resilient and are able to

return to prior performance and health after an illness.

For cattle that are being backgrounded or finished, the benefits of Bio S.I. Jackpot continue. If an animal has an opportunity to be more thrifty and productive from the beginning, it will perform better in the long run. Bio S.I. Jackpot provides cattle with a better beginning. By maintaining a healthy digestive system there will be a natural improvement in performance, allowing the cost of gain to be reduced. Using Bio S.I. Jackpot as a preventative measure, no matter what segment of the production chain, will have a positive impact on your bottom line.

Once we have given the animal what it needs to improve health and performance we are left with cleaning up after them. That's where Bio S.I. Floor-Mate comes into use. Bio S.I. Floor-Mate is a specially formulated mix of soil-borne microbes that eliminate ammonia while working to digest and decompose organic material rapidly. When ammonia is eliminated and solids deteriorate faster, opportunities for respiratory illness and vector-borne pathogens are reduced. Also, the operation won't be smelled from a mile away, which helps improve relations with neighbors.

In dairies, Bio S.I. Floor-Mate can be used in flush tanks and added to lagoons. It can also be used to improve compost piles used for green chop and silage growth. Bio S.I. Jackpot is certified for organic use by WSDA and IMI Global maintains it on their Feeds Verified list for use in All-Natural, NHTC and many other value-added programs.



Good for Livestock,  
**GREAT**  
for Your Bottom Line.

The livestock industry can be volatile, and often downright difficult. Minimizing loss and increasing animal health are two factors which effect your bottom line. Improve your bottom line with Bio S.I.'s livestock products, Bio S.I. Jackpot direct-fed microbial and Bio S.I. Floor-Mate.

Start increasing your bottom line - call today and let our staff tailor a microbial plan for your operation.



Bio S.I. Technology LLC.  
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# PBI Parlor Systems Leading the Way in the Dairy Industry

Operating from their office in Portales, New Mexico, PBI Parlor Systems is a leading manufacturer of milking stalls and equipment for dairies around the world.

The owner, Steve Peacock, has a strong dairy business background, and an even stronger pride in his company's products. His commitment to improving dairy profits and delivering excellent customer service is unmistakable. And each of the company's employees shares his dedication.

Of course it all starts with an efficient stall design - their stalls are engineered to be the best solution for maintaining cow safety and dairy efficiency. In fact the company came into existence in the late 80's after designing a parallel stall at the request of a local dairyman.

His stall design was a winner! Good news travels fast, and word of this design spread quickly from person to person, which led to more parlor business.

Building on his design and engineering experience, the entire PBI crew

continues to produce and install innovative parlor stalls all over the world. To ensure the quality of the final product, they control every stage of production. Dairies of all sizes, from small family-dairies to large mega-dairies have been fitted with PBI stalls.

Because PBI designs and builds the stalls, they are custom fitted to your unique requirements. They use heavy duty galvanized and stainless steels to provide a durable yet sleek stall with no rough edges to hurt cows and profits. Performance excellence is ensured by their expert project installer and crew, which they make available for every installation. You will assuredly receive a quality, hassle-free installation, and on-going support.

Value is built into every PBI stall design. Low installation and maintenance costs make PBI stalls a valuable investment for dairies of all sizes. Plus their durable construction, smooth operation and labor saving design provide ongoing increased profits.

Innovation is what started PBI. Their

stall designs are adaptable to suit the needs of dairies of all sizes, no matter the environment. They are compatible with all brands of milking equipment. And though innovation started PBI, service is what maintains and grows the company. PBI Parlor Systems takes pride in its continued commitment to meet and exceed their customers' needs. From the free quote they give you, through the completed installation, they maintain a hands-on approach that delivers unrivaled customer service.

But their customer support doesn't end with the sale. PBI's on-going personal contact with their clients and easy accessibility cater to meeting your needs now and later. They choose to maintain close relationships with their clients. Client feedback about stall performance is essential to PBI's commitment to developing and refining products that satisfy the needs of dairy farmers all over the globe.

For more information, call PBI Parlor Systems at 800-295-5677 or visit [www.PBIParlorSystems.com](http://www.PBIParlorSystems.com)



## PBI PARLOR SYSTEMS Elite Stalls

The Elite Parallel Stall is our signature stall

- A powerful hydraulic cylinder operates an entire row raising the headstalls to a full 62" clearance. High enough for even your largest cow.
- Lowering of headstalls can be adjusted to your specifications.
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- Counter weights are used on our patented divider gates. Nothing is spring loaded.
- This stall is offered on 26" centers for Jersey cows only, 27" centers for mixed herds or Holsteins, or 28" centers for Holsteins.

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## Sweet Pro

Continued from page 13

protein in the supplement, but also from the rumen microbes (single cell protein). SweetPro blocks contain three classes of prebiotics to feed and keep robust these rumen microbial populations. The better the microbes perform, the more single-cell protein is available to the cow when the microbe's short life-cycle ends.

The other protein dynamic in SweetPro is high bypass protein. This is protein not used in the rumen but available directly by the animal. This is most important during the two key times when the cow's protein demands are greatest, late stage pregnancy and peak milking demand.

When these protein and fiber oriented energy benefits are combined with SweetPro's strong vitamin and mineral package, ranchers have a solid tool to help reclaim the losses they'd otherwise absorb when forage is poor. Even poor quality forages can be fully utilized with pastures stretched or more animals run on the same ground.

SweetPro benefits the Rancher by improving feed efficiency 25% while promoting better herd health and fertility. Heavier

"growthy" calves can be expected at weaning along with labor and fuel savings (blocks are only placed out every 10 days).

It also benefits the producer by providing new options for grass finishing and putting more "Pounds on Pasture" per day than older means of vitamin and mineral supplementation.

SweetPro products also help the Feeder by allowing them to bring in healthier and heavier calves. These calves need only half the time to finish as in years past. With 25% improved feed efficiency, 400 to 800 pounds less corn is needed in the finishing process.

The Consumer benefits through a healthier meat that has much better mineral deposition and a better taste. The Land itself also gains advantages. With 25% improved feed efficiency, stress on pastures is reduced while the more efficient digestion allows for an even spread of softer stools that are much easier for dung beetles to work into the soils. Soil fertility is increased markedly over only a few years time.

SweetPro Feeds' combination of a healthy and cost-efficient vitamin and mineral delivery system along with a 25% improvement in forage feed efficiency has impacted ranching, feeding and the nation positively. [www.sweetpro.com](http://www.sweetpro.com) 

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