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West/Southwest • winter/spring edition 2015-16

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Pesticide application on leaf lettuce in Yuma, Az.

Photo by Jeff Vanuga, USDA Natural Resources Conservation Service.

Western Farm, Ranch & Dairy Magazine

a Ritz Family Publication

President / CEO

Michael Ritz
mikeritz@ritzfamilypublishing.com

Executive V.P. Operations

Robert Davis
rdavis@ritzfamilypublishing.com

Sales Manager

David Larsen
david@ritzfamilypublishing.com

Office Manager

Angie Hawkins
angie@ritzfamilypublishing.com

Admin. Assistant

Brenda Stoner
brenda@ritzfamilypublishing.com

Ritz Family Publishing, Inc.

www.ritzfamilypublishing.com

Corporate Office

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

Sales

For all sales inquiries, call toll free:
1(800) 330-3482 or 1(208) 955-0124
sales@ritzfamilypublishing.com

Subscriptions

For a subscription or to change your
existing address, call toll free:
1(800) 330-3482 or 1(208) 955-0124
info@ritzfamilypublishing.com
Printed By Owyhee Publishing, Homedale, ID

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Attention bean, seed and organic farmers

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

Peanut farmers rejoice!

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

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Powell Livestock Scale

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Powell Scales NW has opened up shop in Idaho. Being the largest truck and livestock dealer in the northwest, they are excited to announce two new locations in Idaho—an office in **Nampa, Idaho** and the recent purchase of **Sanstrom Scales Company in Twin Falls** allows them to better serve their customers. Scales NW has plans for more offices in Idaho in the near future.

Powell Scales NW, a leader in the industry for over 50 years, offers competitive pricing, quality installation and professional service from

start to finish. Having offices centrally located throughout the northwest allows Scales NW to competitively serve their customers while maintaining the highest standards of quality control and customer service. Scales NW also offers foundation construction, scale installation and equipment calibration. Their knowledgeable service technicians offer preventative maintenance as well as emergency repair on all makes and models of weighing equipment.

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complete line of weighing equipment, but pride themselves on their ability to meet your custom applications. Whether your needs are vehicle or off-road equipment scales, livestock scales, warehouse scales, railroad track scales, customer applications for bulk or tank weighing – Scales NW can supply them all.

You can call them for sales, service or your short term rental needs at (800) 451-0187. For more information, you can view their website at www.ScalesNW.com. **Powell Scales NW – The Weigh of Excellence.**



Unique Heart Formula Saves Countless Lives

Over 25 years ago, Jim Strauss suffered a major heart attack and was told he would need bypass surgery or he would die.

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

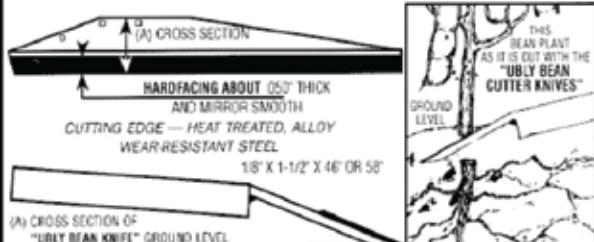
was taught to taste herbs in order to detect their medical value. Balance and proportion were the keys to producing formulas that were effective and almost instantaneous.

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

Continued on page 23

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"Dequire Refuge Range"

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"Thompson Farm"

233 +/- acres consisting of 130 acres pivot, 73 acres wheel lines plus pivot corners. 2007 Valley Pivot. Good sandy loam soils, irrigation well, 1300 +/- gpm. Newly installed main line.

\$800,000

"Sunset Valley Dairy, Burns Oregon"

This dairy consists of 3143 deeded acres of which there is approx. 985 ac irrigated by pivots plus an additional 963 ac of permitted water rights. The dairy was constructed between 1998-2002 and at one time ran 1200 head. There are lots of improvements. The dairy has been closed down for approx. 10 years.

\$5,500,000

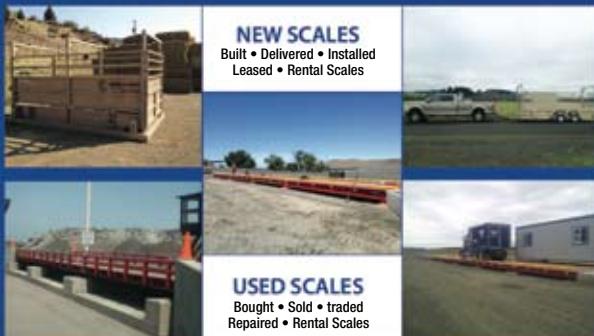
"Lawen Pasture Pivots"

450 deeded ac with 2 pivots irrigating approx. 250 acres & some smaller pasture fields irrigated by hand lines. This place would work great for irrigated pasture. There is a good set of corrals, calving barn, hay shed & 1600 sq.ft. 3 bd, 2 bath MH with detached garage.

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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.

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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.

How to Become a Beacon of Positivity and Change

Kimber L Russell

As a manager, one must understand who they are, what they represent, how they fit in with the culture of their community and company, as well as what motivates them. In return, we must challenge those who follow us to learn, embrace, and act upon the roads of development that led us to knowing what our purpose is in life personally and professionally. As a leader and manager there must be a collaboration and connection within a team. Being able to guide and develop individuals personally and professionally allows for deep relationships that yield efficiency, dedication, honesty, and growth.

Managers and leaders must acknowledge that the world is ever-changing and that we all have something to learn each and every day. Diversity and inclusion is what make relationships work; however, the foundation of leadership and work relationships stem from the acknowledgement that we are purposeful, that we are worthwhile, and that we value one another. These foundations are then fostered and grown by the giving and receiving of new skills, abilities, knowledge, and problem solving tendencies.

Actionable items that lead to finding out who your employees are and what drives them can be completed in five easy and efficient steps.

One- Have each team member complete a bucket list. In an open and comfortable environment, allow them to share. This allows management as well as employees to embrace similarities and differences of activities and relations to personality types.

Two- Promote work/life balance by encouraging team members to check items off of the list.

Three- Lead by example and get out in the world, check off some items, and make a difference.

Four- Don't let the passion die. Revisit the list every few months and add to it. Share with those closest to you to ensure that you are growing both personally and professionally.

Five- Forget the excuses, forget the what-ifs, and forget what doesn't help us grow. Hindrance is the worst enemy in creating and implementing change.

As a manager it is essential for one to lead by example. By implementing the five actionable items listed above and choosing to be present and engaged, managers promote a positive attitude while inside and outside the office. Not only does an employee need to rely on the strength of the manager but they also need to rely on the power of the manager's positivity and attitude.

"If I don't do it, someone else will." This simple phrase will always keep the manager and employee in the frame of mind that no one is irreplaceable and ninety-eight percent of change and productivity stems from a positive attitude. Attitudes are contagious; ensure that, as the manager or team leader, you are spreading an attitude that will do "good" and increase productivity, culture, cohesiveness, and trust.

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Celebrating 45 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. To improve their service, Joyce and Dale Stukenholtz expanded the laboratory 18 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 36 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 44 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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Bio S.I. Technology SD 25 Stubble Digester

After harvesting the crop the work is not done. Now you have to deal with the plant residue left behind. What to do with it? Haul it off, burn it, or use it to rebuild the carbon in your soil? Now you have the choice to recycle these nutrients back into your soil and save on inputs for your next crop. You have already paid for them so why not use them. Plus you build humus, that magic part of the soil that holds water and nutrients in the rhizosphere for the crop's use. This improves your soils tilth and reduces compaction over time. The International Plant Nutrition Institute has calculated the dollar value of residues for many crops.

Now you have a new tool to use in handling crop stubble, SD 25. It is the one product that you can use that actually puts more of your money back to work for you. You are making a great investment in the ground that you own. If you have a long term lease then it helps you get the most from the soil and keeps your input costs lower in many cases. No matter where you are stubble digestion is an important part of the future of agriculture. It is recycling at its best helping improve the soil and improving your bottom line at the same time.

When to use? Use SD 25 after harvest is done. Shred the stalks and lightly incorporate stubble into contact with the soil. Apply SD 25 over the top of the residue. The amount you use per acre depends on the amount of residue you have. You also have to add some nitrogen to help balance the carbon to nitrogen ratio for quicker breakdown. One grower returned 100 percent of residue from a 250 bushel corn crop back into his soil. He was going to plant potatoes in the spring. Enough of the residue had to be gone so he could plant. By the time he planted six months later he had over 80 percent of the stubble gone. He was able to plant potatoes with no issues caused by stubble. His humus level had increased from start to finish measured

by soil tests. Ask your fertilizer dealer to get SD 25 from Bio S.I. Technology, LLC.



So, if you are trying to figure out what to do with stubble consider using SD 25 produced by Bio S.I. Technology, LLC. <http://biosotechnology.com/>

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The average American eats about 124 pounds of potatoes per year while Germans eat about twice as much.



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SweetPro 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, "ProBiotin." 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 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 microbials 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

Chandler Herefords

Candler Herefords has been in the cattle business for well over a century. Six generations of great cattlemen have been involved in managing the



operation. Our conservative approach to raising breeding stock has been very successful over time. We believe that

profitable cattle must "do more with less" especially in these times of ever increasing cost of production. Our mature cows consume grass or grass hay for nutritional input while raising powerful calves and maintaining the ability to get pregnant. Unlike many of our competitors, we know which of our animals are efficient because we are managed with this in mind. We are using several new and popular sires to enhance our gene pool and we can trace our cow family lines back for over a century. Our website: www.chandlerherefords.com highlights our program and the sires we are using in detail so feel free to visit and sign our guest book.

With all this past performance history from thousands of registered calves raised here, we know what our cattle are capable of. We have sold cattle to customers in nearly every state in the union. Their feed efficiency and fertility is really evident when they are asked to perform in less than ideal forage or environmental conditions. If you are looking for no compromise Hereford cattle with a history dating back for over a century then look no further. It is what we are all about. We have stood the test of time and we are here to stay.

16

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PROBIOTIN

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SweetPro.com

This advertisement features two bags of SweetPro feed: one labeled "Fresh Start" and another labeled "SweetPro". Below the bags, a large image shows two dark-colored cattle standing in a field. A vertical phone number "888-229-0475" is on the left, and the website "SweetPro.com" is at the bottom. Text on the right highlights product benefits like reduced labor and increased feed efficiency.

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starting in November until they are gone. Selling Horned and Polled bulls with balanced performance.

Check out all the latest videos of the ranch and cattle on **YOUTUBE.COM** by searching for Chandler Herefords or Duane Chandler in the search pane.

Email: gchandlr@uci.net

www.chandlerherefords.com
Office: 541-523-2166
George: 541-403-0125
Duane: 541-403-0124

Chandler Herefords Since 1889

This advertisement is for Chandler Herefords. It features a banner at the top with fireworks. Below it, there's text about the ranch's history and current sales. It includes a photo of cattle and a photo of three men standing with a bull. The bottom section contains contact information and the company's website.

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



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The Elite Parallel Stall is our signature stall

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Known worldwide as a leader in production of Roller Mills, R&R Machine is the most respected name in the industry for its Manufacturing of grain Roller Mills and quality service after the sale.

R&R are Experts in the manufacturing of Steam Flaking Technologies, Quality Roller and Cracker Mills, Efficient Steam Chest, High Moisture KanRoll Mills, as well as providing superior service to Mill Processing, Mill repair, Roll Changes, Grind and Corrugation. We work with valued Mill Wright groups to provide a quality installation and help provide turn key projects. Technology is a great way to gain efficiencies and save money. R&R provides multiple alternatives utilizing technology. We are the only ones in the industry that provides a true Automation Control that can control the Roll Gap side to side with a push of a button. The RR1000 controls start/stop rolls, start/ stop and variable feeder speed, open/ close rolls, steam modulating, and safety auto shut off capabilities. The RR500 is a downsized version that takes care of the most utilized functions. The R&R Steam Loop System can save in energy and help provide a consistent cook of grain in the Steam Chest.

Contact R&R Machine Works for your next Roller Mill, Steam Chest or Cracker Mill.
Contact Information: Warren

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How Your Cow's "Lines" Affect Your Bottom Line

Today we are told that you cannot have good production without ultrasounds, DNA, EPD's, chelated minerals and animal record programs. Ever wonder why Grandpa did not need all of these new-fangled gadgets, minerals and numbers? And does all of this production turn into profit, or are our grass dollars just getting passed along to other businesses?

In my opinion, there are a number of different reasons we find ourselves with the cows we have and the production/cost state we are in. The main CATTLE reasons are based on genetics, phenotype, butterfat, glandular function and rumen development. There are grass, mineral, toxin and grazing system reasons as well. For the purpose of this article I want to zero in on phenotype.

The shape of a cow determines if she will be an easy keeper on grass, and let's face it, as ranchers, that is our prime resource. I don't want to get bogged down in a discussion of the merits of grass vs. feedlot production systems. As cow/calf producers, we have grass, and that is what we need to convert to pounds of saleable meat.

Recently, Dr. Michael McDonald (God rest his soul) shared with me some interesting insights he came up with while working for Golden Link in the 1990s. They were using linear measurement to find out what was important to animal performance in the feedlot system, and by extension, in the pasture. What they found is simply fascinating to me. The shape of a cow determines the meat to bone ratio and the efficiency of

conversion of feed ingested to pounds gained.

So how does the shape of a cow predispose her to be an efficient cow in the conversion of our grass to maintain herself and her offspring, resulting in more pounds of saleable calf while both consume less total grass? First and foremost, it is a function of how much larger the heart girth is than the top line. Top line is measured from the pin bones to the poll of an animal. She has to be standing with the head level with the back to get an accurate top line measurement. This can be done with a tape measure, but is much more accurate with a set of linear measurement calipers (see email address at the end of this article for more information on linear measurement). The girth is measured behind the front legs and in front of the gut. You use a tape measure to find the smallest circumference.

What Michael and the owners of Golden Link found is that for each inch you add or take away from the girth, you either add or subtract an average of 37 pounds of red meat on a finished animal. Not only that, but that increase in red meat comes with a blessing. Steers and heifers with a larger girth ate less grain to put on each pound. Similarly, in the pasture, the replacement heifer with the larger girth eats less grass.

How do we "see" a large heart girth without bringing the animal to the squeeze chute? A deep chest. For each inch her chest is closer to the ground, you gain two inches of girth. You know you are getting close when there is a straight line

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from the brisket to the hock. Most cows' bottom line comes up behind the front leg. A straight bottom line on your cows will improve the bottom line on your books as well.

I was looking at a group of cows for a gentleman back East. He had quite a menagerie of breeds and phenotypes. The Herefords in the herd had the poorest bottom lines. They must have come up 6" behind the front leg. I pointed this out to the owner and told him these cows would never make him any money. The next day he called me and said, "You know, those Herefords stand at the feed bunk all day long. The rest of the cattle fill up and then lie down and chew their cud."

Next would be the width of the shoulders. This can be observed in wide-set front legs with the toes of the animal pointing straight forward. We want a U-shaped brisket rather than a V-shaped brisket. The muscling at the loin does not drop off from the shoulder blade, and last but not least, the front leg needs to come out of a mass of muscle.

The next measurement that indicates the ability of a cow to convert grass to meat is the flank. Measuring the flank of a heifer or cow will tell you if she has a big enough rumen to eat for three. We want a minimum of two inches greater than her girth. A heifer with a four inch-plus flank measurement over her heart girth measurement will be one that can breed back every year and have superior calves into her 12th to 16th year. The reason most first calf heifers don't breed back is that they lack enough nourishment from your grass for her and her calf to grow and stay healthy. How you can affect the nourishment in your grass will have to wait until another day.

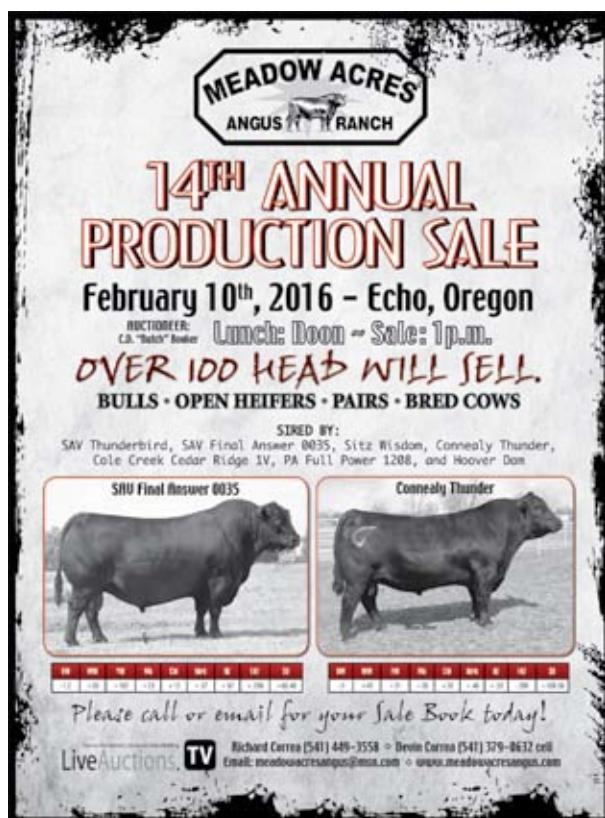
A parting shot on flank measurement--one hundred years ago in New Zealand, the number one selection criteria for DAIRY heifers/cows was the size of the flank. As the dairymen had all-grass dairies, they KNEW the relationship between size of rumen and pounds of milk in the tank! Most cows that have a large heart girth have even larger flanks, which equates to larger rumens.

The first time I was selecting some BEEF replacement heifers in a commercial setting by using these criteria, the owner made a guess on the weight of the eight-month old heifers I had selected out of his herd. I told him they would be at least fifty pounds heavier than his estimate. Once we had put them across the scale, we found to both our amazement that they averaged 63 pounds more than his original estimate. And this is on an eight-month old animal!

I heard a speaker at a recent conference say that the students at his University were getting very good at predicting how much feed GROUPS of different classes of animals would eat based on the different kinds of feed stuffs placed in front of them. However, he said they could not predict INDIVIDUAL consumption among these groups. "Some animals were eating half as much as other animals in the same group." How would you like to create a group of cows on your farm that eat 25 to 50% less than your current cows?

Phenotype is only one piece of that conundrum; however, I believe it is one of the largest pieces of the "Easy Keeping Cow" puzzle.

Contact Steve Campbell at Tailor Made Cattle for more information. Trianglec3@gmail.com



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Powder River introduces new 2000 Series Squeeze Chutes

Powder 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 to find a dealer near you.



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Dairy Trivia

- Approximately 53,000 U.S. dairy farms provide milk, cheese and yogurt to the U.S. and other countries. About 99 percent of all dairy farms are family-owned.
- On dairy farms, the average herd size is 135 cows.
- U.S. dairy farms produce almost 177 billion pounds of milk annually.
- There are dairy farms spread across all 50 states and Puerto Rico. Most milk only travels about 100 miles to get from the dairy to your local grocery store.
- Americans eat the equivalent of 10 acres of pizza (and Mozzarella cheese) every day.
- Just ate spicy food? Milk is better than water for cooling your mouth. A protein in milk called casein cleanses the taste buds.
- Cheddar cheese was first developed in the town of, yes, Cheddar Gorge, England, more than 400 years ago.
- A gallon of milk weighs 8.59 pounds.
- A cow has a stomach with four compartments and 32 teeth.
- The most common breed of dairy cow in the United States is the Holstein; Jersey cows produce milk with the highest butterfat content.
- An average cow produces about 350,000 glasses of milk in her lifetime.
- The average U.S. cow will produce six to eight gallons per

day over the course of a typical year. That's more than 2,000 gallons a year.

- Most cows chew at least 50 times per minute, and spend 10 hours a day chewing their cud in order to aid in digestion.

- Every cow spot is like a snowflake – no two are the same.
- Historians estimate that ice cream evolved sometime during the 16th century in Italy, perhaps from a recipe Marco Polo brought from the Orient. In 1984, Ronald Reagan designated July as a time to honor America's favorite dessert.
- To get the same amount of calcium provided by 8 ounces of milk, you would have to eat 2 1/4 cups of broccoli, 6 3/4 oranges or 6 slices of wheat bread.
- An average dairy cow weighs 1,400 pounds and consumes about 50 pounds of dry matter (e.g., hay, grass, grain) each day.
- The average cow drinks from 30 to 50 gallons of water each day — about a bathtub's worth.



Ag Show Calendar

Eastern Washington Ag Expo

January 5-6, 2016

TRAC Center - Pasco, WA www.easternwaagexpo.com

Precision Farming Expo | January 7-8, 2016

Three Rivers Convention Center - Kennewick, WA
precisionfarmingexpo.com

Idaho Potato Conference & Ag Expo

January 19-21, 2016

Pond Student Union Building - Idaho State University
Pocatello, ID www.uidaho.edu/cals/idaho-potato-conference

Western Idaho Ag Expo | January 26-27, 2016

Caldwell Events Center - Caldwell, ID
www.idahoagshows.com

Northwest Agricultural Show

January 26- 28 2016

Portland Expo Center - Portland, OR www.nwagshow.com

Colusa Farm Show | February 2-4, 2016

Colusa County Fairgrounds - Colusa, CA

www.colusafarmshow.com

Spokane Ag Expo | February 2-4, 2016

Spokane Convention Center - Spokane, WA

www.agshow.org

Central Oregon Farm Fair and Trade Show

February 3-4, 2016

Jefferson County Fairgrounds - Madras, OR

www.jeffcoseed.com

World Ag Expo | February 11-14, 2016

International Agri-Center - Tulare, CA

www.worldagexpo.com

Southwest Ag Summit | February 24-25, 2016

Arizona Western College - Yuma, AZ

www.swagsummit.com

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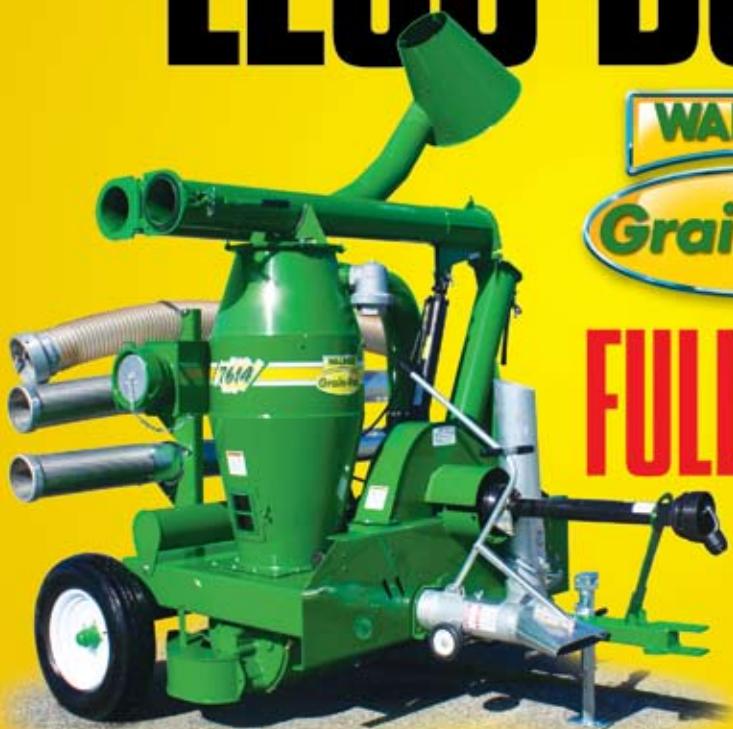
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