



K&K FEEDS, LLC.



www.kandkfeed.com

RICHLAND, PA 17087
717-866-2324

JANUARY 2014

EARLY ORDER OF ALFALFA & OATS AND SPRING SEED NEEDS!

**EARLY ORDER PROGRAM ON
SPRING FORAGE OAT VARIETIES**

Oats & Peas can be used as a nurse crop for new alfalfa fields and aids in weed control. This is a high tonnage forage with protein levels from 18-22%. It is a mixture of 45% peas and 55% oats and should be seeded at 50-100 lb. to the acre.

Pre-Pay by January 28th, \$28.00/50lb

Also available are Forage Oats 48lb

Forage Oats are an excellent nurse crop that are superior in forage quality and tonnage compared to grain oats, there is a limited supply, order now for your spring & late summer planting.

Pre pay by January 28th, \$25.15 48lb.

Grain Seed Oats we have **Robust, Rodeo** and a new oat variety call **Corral**. This new variety is all about yield and has shown an 8 bushel/acre improvement over other varieties.

**Welcome Jonathan Coble
New Seed Salesman**

We want to welcome Jonathan Coble to our K&K Feeds sales team, he has a degree in agronomy and is a Certified Crop Advisor and brings with him 10 years of experience. Jonathan has worked with growers in southeast PA with nutrient management plans and conservation practices, including no-till programs and cover crops.

He is also a partner in the 300 acre family farm. They have used no-till practices for 7 years on their row crop production of corn and soybeans.

Jonathan's experience in soiling testing and crop scouting for insects and diseases will be a great asset for our growers. He is looking forward to developing relationships with farmers and helping them produce quality forages and high yielding grains. He resides in Dauphin county near Colebrook with his wife Kim and their four children.

COLD CALVES = LOST CALVES

With our **Thinsulate** calf jackets your calves can grow up to 54% more gain in the first 21-28 days by converting their energy into growth rather than keeping warm.



1 JACKET @ \$33.00
3-4 JACKETS @ \$32.00

**Congratulations to
Open House Winners**

This year during our Customer Appreciation & Checkerboard Days event we had a daily drawing for a store gift certificate valued at \$100.

We would also like to thank Purina for partnering with us during this event, this years winners are listed below:

Earl Lehman, Kirby Horst, Kenneth Martin
Justin Troutman, John Risser

“CALF STRATEGIES FOR COLD WEATHER MONTHS”

By Megan Pierce

EVERYONE KNOWS THAT WEATHER CAN HAVE A MAJOR impact on calf health and well-being. To promote optimum performance as seasons change, calves require different management, nutrition and housing to help them thrive through the cold.

Because calves have a higher surface-area-to-bodyweight ratio than older animals, they become cold-stressed at fairly moderate temperatures. As temperatures drop below 60 degrees F, calves have to expend their internal energy reserves to simply maintain their core body temperature of 102 degrees F. In fact, for every degree the temperature drops below a calf's lower critical temperature, the amount of energy needed for maintenance increases by 1 percent.

The correlation between temperature decreases and calf stress may occur at warmer temperatures than some think.

If calves don't receive the energy they need to maintain their body temperature, resources are diverted from growth. When energy is diverted from growth, calves will not gain weight and they become more susceptible to diseases like pneumonia and scours; calves could also die. Financial losses may also begin to mount from treatment costs and poor growth which delays age at first calving and impacts future milk production.

ers implement a feeding program that supports increased energy demand,” says Tom Earleywine, director of nutritional services at Land O'Lakes Animal Milk Products. “The first line of defense against the cold is nutrition. All of the bedding and blankets in the world can't save a starving calf.”

New seasonal formulations of milk replacer and calf starter have been developed to deliver optimal combinations of protein, energy and technologies to help during times of cold stress. The lactose in these products is designed to provide immediate energy, and fat helps to build an energy reserve for the calf. Oxidation of this reserve when calves experience cold stress can be the difference between calves that thrive and ones that do not, explains Earleywine.

Regardless of the milk replacer selected, at a minimum calves should be receiving 2 gallons of liquid nutrition each day. In addition to meeting calves' increased energy requirements in the winter, eight university trials show that increased intake during the first eight weeks of life resulted in improved milk production during the first lactation. If calves are fed a 'maintenance diet' of 1 gallon of liquid nutrition daily, they will fall behind on weight gain and be susceptible to disease.

“The long-term benefits of feeding a higher plane of nutrition are well documented and this is something dairy

Cold calves impact future production

Recent work conducted at Cornell University sheds light on the long-term implications cold stress has on calves. For the two farms studied, calves born during the winter produced, on average, 1,226 pounds less milk during their first lactation than calves born during the summer. Researchers believed the observations were related to energy intake, but unable to rule out the impact of photoperiod or differences in colostrum status of calves explaining some of the milk response difference.

These additional calculations show that calves born during the colder months produced 1,173 pounds less milk than calves born in thermoneutral conditions. Within the Cornell herd, positive correlations with first, second and third lactation milk yields were observed for megacalories of energy consumed above the maintenance requirements.

If you weren't focused on protecting their calves from cold stress before, this new research should spur renewed interest.

Defend against the cold with nutrition

“Energy is the limiting factor to calf performance during times of cold stress, so it's highly recommended that produc-

ducers should consider year-round, not just to help calves thrive in cold weather,” adds Earleywine.

A third feeding of milk replacer can also be incorporated into the feeding program. “Incorporating a third feeding of milk replacer, preferably late in the evening, provides the extra energy young calves need,” he says.

Trials conducted at the USDA Forage Research Center by Don Sockett, of the Wisconsin Veterinary Diagnostic Laboratory, explored the benefits of feeding three times versus traditional feedings of two times daily. Calves were fed the same amount of milk replacer during a 24-hour period; the only difference was the number of meals — two vs. three.

Research results show that for every six calves fed three times a day, one additional heifer entered lactation. Calves fed three times per day also averaged 1,136 pounds more of milk and calved 16 days earlier which was approaching a statistical difference.

Regardless of the feeding strategy chosen, calves need more energy during the winter months. As the seasons change and temperatures dip, don't overlook calf nutrition programs.

For more information, visit www.lolmilkreplacer.com. 🐄

“THE FIRST LINE OF
DEFENSE AGAINST THE
COLD IS NUTRITION.”

Megan Pierce is media relations manager at Filament Marketing.

TAKE ADVANTAGE OF EARLY ORDER DISCOUNTS ON FORAGE PRESERVATIVES FOR 2012



Biotol Buchneri

BIOTAL *L. BUCHNERI* 500 FOR FORAGES & H. M. CORN



500 is a

combination inoculant, it has bacteria that helps with the initial pH drop and fermentation process combined with *L. buchneri* bacteria to work on the back end of fermentation to give you the best protection from bad yeast and molds that spoil your feed. The *L. Buchneri* 40788 strain is the only FDA approved product "For aerobic stability of silage and high moisture corn stored longer than 60 days." There are other *L. buchneri* products on the market but none have been reviewed by the FDA for claims of bunk life stability, not all *buchneri* stains perform the same. *Buchneri* 500 has done research on very wet cereal grain forages and it does an excellent job at reducing the amount of butyric acid while in storage. This product gives you another option to help preserve the most nutrients possible in your forages and grains.

Buchneri 500 comes in water soluble form only and we will provide pumps to apply this product. Package treatment sizes are 50 ton and 200 ton. **The prepay/early order discount is 8% until January 31st 2012.** Cost per treated ton on forages is \$1.72 per treated ton and H.M. Corn is \$2.59 per ton.

BIOMAX 5 FOR CORN SILAGE BIOMAX MP FOR HAYLAGE & SMALL GRAIN SILAGE

EARLY-

ORDER BIOMAX INOCULANT

Schedule your Biomax products for the next forage crop season before January 31st and take advantage of the early order discount. **There is a pre-pay discount of 10% this year.** Biomax granular comes in a foil lined bag that is glued shut, not sown, this will guarantee you live bacteria to help your forages ferment properly. Granular and Water Soluble products both come with expiration dates on them so you are guaranteed a viable inoculant. Biomax has shown an average improvements of 5% more dry matter recovery, this means you have more forage for you to feed. Granular inoculant cost per treated ton is \$1.00 and water soluble price is .68 cents per treat ton.