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Notes & Quotes

INSIDE THIS ISSUE

The advertisement features a photograph of a brown and white cow in a green field. The Fertrell logo is in the top left corner. The text 'Dairy Nutri-Balancers' is in a large, bold, white font. A banner says '*10% OFF during January'. The main text reads: 'Our line of Dairy Nutri-Balancers includes 3 dairy premixes. Seasons and forages change, so should your dairy minerals. Keep up with your cow's supplement needs with Dairy Nutri-Balancers! Fertrell's philosophy is that a well-bred animal should be a well-fed animal. Breeding determines what an animal can do - feeding and management determines what an animal will do. Let Fertrell Nutri-Balancers help give you a well-fed animal.'

January/February 2024

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Our Mission:
Healing the earth and
feeding the world
- *Better Naturally!*

Tortoise and the Hare by Matt Miller

Have you ever heard the old parable, of the tortoise and the hare? If you have it was probably told to while you were just knee high to a grasshopper. For those of you that have not, here is the spark notes version of the story.

There was a very fast but inconsistent hare that would brag and boast about how great they were. The other protagonist of the story was a slow consistent tortoise. The story goes that the hare was challenging all the creatures of the forest to a foot race. One day the tortoise took him up on the race. The hare and the tortoise decide on a destination and line up. They give themselves a count down and when they reach the word Go the hare takes off down the path leaving the tortoise in the dust.



Soon the hare thinks to himself I will stop to smell the roses until I see the tortoise again. So, he stopped for a few minutes. Once the tortoise can be seen again the hare takes off down the path again. Once again, once the tortoise is out of sight the hare thinks "I could use a bite to eat. I can wait until after the tortoise passes this time as I will easily be able to catch up."

A few minutes later the tortoise can be seen on the path. The hare mocks the

tortoise as he passes by. The hare finishes his meal and then takes off down the path. He catches up with the tortoise and pokes fun at the tortoise as he runs by. The tortoise paid no mind to the hare but kept focused on finishing the race.

Now the hare was much further than the tortoise and thought to himself, "Surely, I will win this race even if I stop for a nap. That tortoise will not pass by me before I wake from a short cat nap." So, the hare found a place to nap along the path. He fell asleep quickly. Soon the tortoise could be seen coming down the path.

The tortoise, noticing that the hare was taking a nap, saw him shivering, took the time to cover him with some leaves so he would stay warm and made his way down the path. Soon the tortoise was out of sight.

Five minutes passed by. Then ten minutes. Then thirty minutes passed by. Soon an hour and the hare wakes from their slumber.

He notices the leaves covering him and felt all warm and cozy. He wondered how much time had passed. He sees a small chipmunk sitting on a log and asks what time of day it was.

Chipmunk says, "I reckon it's a quarter till two based on the trajectory of the sun."

The hare, realizing he had been asleep for so long, hopped up and looked back at the path. The hare thought to itself "That tortoise is still back there away. I will slowly hop my way to victory so that the tortoise can catch up in time to see me cross the finish line."

The hare took off down the path.

Hopping with joy as he was thinking of the victory he was going to have over the tortoise. Occasionally he would look over his shoulder in hopes of seeing the tortoise catching up.

As the hare rounded the last turn in the bend, he saw the tortoise crossing over the finish line.

This story comes to mind as we come up on the end of one year and the beginning of the next. Often, I have found myself to be more like the hare. I will start a project and then get distracted by the things of life. More often I am hoping to be like the tortoise. The tortoise is slow but is seen in the parable as being consistent. He knows that if by just keep moving forward and focusing on the next step, he will reach the end goal.

My hope is that you will make time in your busy schedule today to do two life changing things for your next year.

First, take some time to think about what your goals are for next December. Take time to write this down and pinpoint the exact finish line that is for you. Maybe you want to lose 50lbs. It could be to launch the business you have been dreaming of. For some it is getting an extra bushel out of an acre.

The second thing I must give credit to Gary Keller and Jay Papasan in the book *The One Thing*. In this book it talks about how to accomplish goals similarly to the tortoise. In the book there are these dominos. At the front of the page there is one small domino that is followed by a slightly larger domino and this pattern continues. That tiny domino represents a small goal today that will get you to the end goal.

Look at that goal you want to achieve for next December and work backwards. For example, if you want to lose 50 lbs maybe the first goal for you is to simply go for a walk around your block today. And the next day go for that same walk but once you get home do ten pushups. The next day add thirty secs of jumping jacks.

I pray this next year will be better than the last for you. You are capable of so much more. Keep your chin up and keep working on your craft one step at a time.

It's Tradeshaw Season!

Our support staff will be traveling quite a bit attending tradeshaws and events between January and the end of April. You may not always be able to reach them right away. Whenever possible, the calls will go to their cell phones. Please leave a message! They will get back to you as soon as they are available. For customers with email, this may be a more convenient option.

Our staff can be reached: Monday-Friday from 7:30am - 4:00 pm EST. (717) 367-1566 or (800) 347-1566

Receptionist/ Customer Service

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ORDERS Should Be Sent To
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Classified ads:

For sale

Tamworth/ black boar, Weight 150 lbs, Age 5 months \$400.00

Jersey heifers, 6 - 12-month, A2/A2 100% Grass fed \$1200.00

Jersey Bull, 2 1/4 yrs. old; A2/A2 Grass fed, HP poles traits, Triple A # 435 Proven \$2500.00

Contact: Pleasant Pastures Daniel Stoltzfus 717-768-3437 648 Cambridge Road Honey Brook, PA 19344

Snow - Delays/Closings

For the safe commute of our employees to and from work, we implement delays

and / or closings, whenever the roads are hazardous due to winter road conditions. If you cannot reach us by phone, please try and reach out via email if possible. Not all staff have remote email access, but support and sales staff generally do. Also, if you leave a voicemail, someone will get back to you as soon as possible. Thank you for your patience and understanding.

Return Policy

Every now and then the question comes up regarding our policy for returning Fertrell products. In order to clear up confusion. We decided to inform all our customers of the return policy. Hopefully this may help answer some of your questions.

- 1) The request for return must be pre-approved by a Fertrell Employee. When requesting a return, the ship date must be known.
- 2) Products must have been purchased from Fertrell.
- 3) Only full, unopened packages will be accepted for returns.
- 4) Custom blends may not be returned.
- 5) Product must be returned in the same condition it was received.
- 6) Fertrell Shipping errors may be returned for full credit, restocking fee does not apply.
- 7) Out-dated (or old) products may not be returned.
- 8) Product damaged at the customer's location may not be returned.
- 9) Credit will be issued in the form of a credit memo, and credit will be issued based on current price or invoice price (whichever is less) less the restocking charge.
- 10) Restocking Charges:
If returned within 30 days 10%
If returned within 30-60 days 25%
If returned after 60 days 35%
- 11) The customer is responsible for the shipping cost.

From The Sea By Seth J. Epler

It is prudent for all of us to work with the Earth using the best tools we have available to us. In the growing industry that is sustainable and organic agriculture, the list of tools to use in our practices grows stronger by the day. Twenty, or even ten, odd years ago, there just were not that many tools to implement within an organic farming system. That has shifted for the better. We now live in a world where many companies have found value in organics. Therefore, there are many more products out there for the certified organic or natural minded farmer. But with that, can come the overwhelming sense of not knowing which tools are best suited for an individual operation.

I often think of the sea like I think about the soil, in that it is a vast expansive entity just teeming full of life. And I also often think that these are areas in which we are just cracking the surface in truly understanding some of the science behind the good. Either way, I would think it is safe to say that some really great things come from the sea, besides just what we eat. So, with all of that, let us take some time to look over some things that are tried and true and that certainly aren't new to the game. For example, these would be things like kelp, salt, fish, and aragonite.

Kelp is one of the world's highest natural sources of iodine. And it is full of other trace minerals. According to literature from Thorvin, their kelp is "a stable, bioavailable form of iodine, selenium, copper, zinc, and iron-and a broad range of other nutrients that are vital to thyroid health, as well as healthy skin, coat, and digestion." Fertrell uses forms of kelp in our fertilizers as well as for a staple

ingredient in our mineral mixes. Kelp does wonders in the feed and additionally works great as source for free choice nutrients. This natural product from the sea helps many of our customers keep their animals maintained and healthy. It works as a great preventative tool in keeping animals able to fight off deeper health issues and ultimately keep the vet bills down.

Did you know that the quality products Fertrell sells from Redmond are from an ancient seabed? According to Redmond's website, "There are few locations on Earth that contain the richness found at the Redmond mineral and clay deposit in central Utah. About 200 million years ago, a Jurassic Sea (known as the Sundance Sea) extended down into modern day Utah. This seabed became a cache for life sustaining minerals which crystallized and hardened into a subterranean deposit. About 60 million years ago, an eruption deposited volcanic ash over the sea minerals, creating a protective cap of bentonite. These 2 resources became the foundation for all of Redmond Agriculture's soil and livestock supplements." This is another example of the quality that comes from the sea. Utilizing these natural resources in our farming systems can be key to further successes.

Fertrell also relies heavily on different fresh and saltwater fish, as well as liquid kelp concentrate for many different uses. Science.org says that the Native Americans showed the first American settlers how to fertilize with fish before some plantings. This shows that natural sea resources have been used for as long as we have been writing things down about farming. And at Fertrell, we took both the wonderful kelp and mixed it with fish to create our highly selling

Fertrell Liquid #3, 2-3-1. The trace minerals and nutrients from the fish and kelp make for a boosted combination to help throughout the growing season. It goes great in transplant water. The added Liquid kelp is also great for stressful growing situations like early growth, budding, pod formation and fruiting. The Fertrell Liquid #3, 2-3-1 is also our go to for external stressful situations like frost, drought, or herbicide damage.



Liquid #3 2-3-1

Foliar Plant Food

Fertrell Liquid #3 Seaweed & Fish Based Fertilizer Supplement is a product designed for use in foliar applications to crops, or for adding to liquid fertilizer systems.

- 1 Quart (2.475 lbs.)
- 1 Gallon (9.9 lbs.)
- 5 Gallons (49.5 lbs.)

**Shake Well Before Use
Remains Liquid At All Times**

The FERTRELL Company (F532)
P. O. Box 265, Bainbridge, Pennsylvania 17502
www.fertrell.com

Another wonderful Fertrell product from the sea is Aragonite. This is a sea calcium derived from living organisms like coral and seashells. Aragonite is a strong source of calcium that Fertrell has relied on for many years. Generally running around 33% calcium, Aragonite is a source that works for you right away with its high readily available calcium numbers. It also has low magnesium numbers to it, so in high mag soils, it works very well. Whether it is for cleaning up blossom end

rot in produce or working to strengthen eggshell quality, Aragonite is another fine example of something from the sea utilized within Fertrell products.

And really, striving for healthy strong animals and plants is the name of the game here. Using all these different natural sea products to boost the immune system of plants and animals and helping them to fight off the bad stuff from the inside out, can potentially lead to better health all around. And in turn, that can lead to better profitability for your operations. We must always look to use the best tools available to us. And I think that some of the best tools available in organic farming comes from the sea.

Sacrifice Pastures By Baylor Lansden

When pasturing animals for winter, many farmers and homesteaders choose to use a place the animals will stay through the duration of the winter months- a sacrifice pasture. There are many good reasons for this, including: a lack of structured winter housing, ease of manure management, accessibility to livestock in winter weather, and the ability to rest other pastures through the winter. While the use of a sacrifice pasture works well for many operations, there are some considerations to run through before implementing this practice.

The pasture in which you choose as your sacrifice will receive a lot of “fertility” over the winter months. This can be a useful tool, as it will boost the nutrient profile of the pasture, as well as possibly increasing the organic matter content. If feasible, choose a pasture that does not already have high fertility, particularly high concentrations of phosphorus. It

may also be good to do a soil test after the animals are moved off in the spring, as this can tell you where the field’s soil fertility stands.

Although your sacrifice pasture may be receiving a lot of fertility, the pasture plants are also getting a beating. This is especially true of years with lots of precipitation, and freeze-thaw cycles. If you are using this pasture to house pigs, you should say goodbye to almost all the pasture plants that were there during the preceding fall.

Just as with soil fertility, use this as a tool to establish new pasture plants. To get the best spring stand, you will need full pasture remediation once the animals are removed. This includes tillage, at least a disking, but possibly both a primary and secondary tillage, plus drilling seed. If you do not have access to this equipment, do not have a desire to till your field, or only have a very small pasture to reseed, then there are still options.

If you are feeding hay, attempt to vary where you feed, so that you can cover the whole area by the time the animals move off. This will introduce new seeds to the pasture, especially legumes, which are often cut in their flowering stage.

You can also frost seed. This works best for clover seeds, which are broadcast in the late winter. The seeds work their way into cracks in the ground that are created by freeze-thaw cycles. The seeds will also be pressed into the ground by the animals inhabiting the pasture.

If the pasture ground is still in fair shape, but the pasture sward density is very denuded, you can run a no-till drill over it in spring to introduce new seeds to the sparse pasture.

A sacrifice pasture can work very well in an overall pasture rotation. With a little planning and proper implementation, you can be confident that the cold moonscape of a pasture that you leave in early spring will be a lush and fertile pasture to come back to in summer.

Upcoming events:

January 18th - 19th 2024 - Crop Growing Expo, Solanco Fairgrounds, 172 S Lime Street, Quarryville, PA 17566

January 18th - 20th - 2024 - APPPA Conference, Courtyard by Marriott Dallas, 210 East Stacy Road, Allen, TX 75002

January 27, 2024 -NOFA NJ 34th Annual Winter Conference, Rutgers Douglass Student Center, New Brunswick, NJ

February 8th - 10th - 2024 PASA’s 2024 Sustainable Ag Conference, Lancaster PA

February 15th - 17th 2024- 45th Annual OEFFA Conference, Cherry Valley Hotel and Ohio Event Center, Newark OH

February 22nd - 24th 2024 - New York Farm Show, New York State Fairgrounds, Syracuse, NY

March 22nd-23rd 2024 OKIE Homesteading Expo, Mayes County Fairgrounds 2200 NE 1st St, Pryor, OK

Fertrell Meetings

Watch Lancaster Farming for upcoming PA events!

Aloe Pellets To The Rescue! by Rodney Martin

What's an organic producer supposed to do, or where can he turn when the lurking specters of pneumonia, shipping fever, mastitis, elevated somatic cell counts, and other infectious disease attack his herd? If he doesn't have the old standby drugs at his disposal, does it mean he's already "sunk" before the battle starts? Well...he's not actually a sitting duck always waiting for the storm to burst upon him. Many herds with a focus on pasture, good nutrition, and "stress-free" environments for their animals already have a much lower incidence of disease. However, it is encouraging to know that the organic sector does have many effective weapons at hand when these challenges arise.



Dr. Paul Aloe Pellets, also commonly known as kelp aloe pellets, are one of these powerful weapons in the natural / organic producer's arsenal. They can be supplemented orally to ruminants that may be dealing with any variety

of infectious diseases. These pellets are especially effective with respiratory issues in calves and heifers. Coughing animals, perhaps with a nasal discharge, are not uncommon with the fluctuating temperatures of spring and fall; as well as the cold drafts and potential of poor air quality sometimes associated with wintertime housing.

Many conventional producers have found Aloe Pellets to be a superb replacement for Aureomycin crumbles which have become heavily regulated. Antibiotics, in general, go after the "bad bugs" with a "big shotgun", destroying many good organisms in the body in the process. The superior effectiveness of Aloe Pellets results from triggering and empowering the animal's natural immune system. The synergy of kelp, aloe, garlic and other ingredients in these pellets has proven to be a very effective disease-fighting package.

Kelp, dried seaweed, is a great source of nutrition, boosting the natural defenses of the body. The immune system uses the 60+ vitamins, minerals, and other phyto-nutrients to ward off attacking pathogens.

Aloe Vera has long been known as an immune modulator...putting the body's defenses on "high alert", and mustering them to fight the invading "enemy". Aloe is also very effective at helping to heal/recondition the epithelial tissues in the gastro-intestinal tract. This is the "nerve center" of the immune system.

Garlic has been shown by researchers to have excellent antimicrobial / "antibiotic" properties, helping in the battle against the "bad bugs".

Alfalfa meal and molasses in the pellet

package make them very palatable as a supplement for most animals.

Feeding rates and intervals for Aloe Pellets are as follows: 2 oz. of pellets per 100 lbs. of body weight per day, for 10-14 days, with a maximum adult dosage of 10 oz. per day. For prevention of shipping fever, caused by exposing animals to a new herd or environment, it is best to begin this supplemental treatment 3 days prior to the move/change. For treatment of high SCC levels in dairy herds, caused by underlying udder infections, a longer treatment period may be necessary. Many producers have found that feeding Aloe Pellets at a half-rate preventive/supportive level for the duration of a known stress or "less-than-ideal" environmental condition can be very effective in preventing disease outbreaks.

As with any natural "treatment" products, early disease detection and consistent treatment will increase the effectiveness of Aloe Pellets. Minimizing stress factors on the animals, fixing root cause issues, and focusing on good feed and water quality and nutrition is always better than relying on after-the-fact treatments. However, the team at Dr. Paul's Lab has given us many of these natural products to increase the overall health, vitality, and productivity of our farms.

Phosphorus Management by Ben Seldomridge

The "P" in NPK, phosphorus is an essential macronutrient. Some are concerned it is a problem that needs to be managed, and others say it is so deficient due to its varying bioavailability. First, I will discuss why it is essential, then the problems that can be caused in excess,

and finally the opportunities to manage this essential macronutrient.

Essential Nutrient

Phosphorus is a component of nucleic acid in plants, it is necessary for cell division, tissue development, energy transfer and protein synthesis. Phosphorus enables the plant to reach maturity faster, while stimulating root and shoot growth. However, its availability is limited when the soil cools or the pH is not at an ideal range for it to be available. Phosphorus bonds to the soil particles, rarely being found unbonded in nature. In rock phosphate and bone char (two common fertilizer sources) are bonded to calcium. Finally, manure and compost have ample phosphorus, being bound to the nucleic structures left behind in the decomposition process. Ideal pH range for availability is 6.5-7.5, but favor the acidic end of that range. This leads to conditions where phosphorus excess or availability can be a problem.

Excess Conditions

Phosphorus gets a bad rap in the water quality and compliance circles. Algal blooms are caused when soil bonded phosphorus washes into waterways. Excess phosphorus will exacerbate this problem. Excess phosphorus also limits plant uptake, as well as having antagonistic relationships with other nutrients in the soil. Levels above 150ppm in the soil will start to lock out iron and other essential micronutrients.

Management Opportunities

Now that there is an understanding of what phosphorus is, where it is valuable, and when it causes problems, here are some opportunities to balance the soil phosphorus levels. Typically, in the fall soil temperature will begin to decrease. Application of calcium, or other products

like Soil Mineralizer Plus, will help bond phosphorus to the soil. This product has ample calcium, as well as essential micronutrients, to help bond the phosphorus in the blend. Also, beneficial biology is in the blend which will process the phosphorus further. This product will allow for less spring nutrient application, as nutrients will not leach from the soil column. Common situations where there are high phosphorus levels are operations where consistent application of manure occurs, or where the soil is covered, and minerals cannot leach.

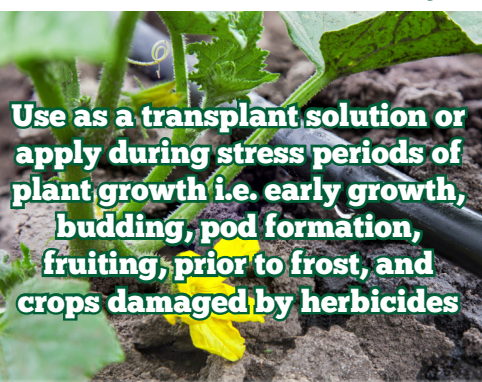


Super Plus 3-0-7 is an ideal product for a variety of applications. For example, on alfalfa fields that receive a lot of manure or greenhouse tomato operations where phosphorus tends to be higher. A higher amount of potassium in this blend is necessary for both crops as well. Managing organic matter helps bond phosphorus, making it bioavailable while retaining it in the soil column. Fertrell Bio-Hume and Liquid #3 2-3-1 applied via dripline in the growing season will keep phosphorus available from fruit onset to harvest.



Liquid #3 2-3-1

10% off during February*



Fertrell Goat Nutri-Balancer

Formulated specifically for the nutritional requirements for all stages of a goat's life.



Goat Nutri-Balancer is formulated with the essential vitamins, minerals, and trace elements to promote optimum animal health.

Goat Nutri-Blancer should be used with high-quality grains and forages for maximum health and performance.

Kid/Lamb Preparedness By Rachel Teller

As the calendar gets ready to turn again, we approach my favorite time of year. No, not Christmas-BABY SEASON! Since most sheep and goats are seasonal breeders, the barns are hopefully full of heavily pregnant does and ewes. Sure, not all does/ewes will freshen at the same time, but it is important to be ready for the onslaught of births waiting to happen. The more you can prepare ahead of time, the less stressful this process will be.

If this is your first time with pregnant animals, make sure you have a good mentor to plan with and have on call in case of emergencies. Experience can be the difference between a live birth and a dead kid/lamb. Make sure you know your limitations and how comfortable you are with assisting in case of emergency. Your mentor/veterinarian may not be able to be there in person but can still direct over the phone.

But before we can think about having babies on the ground, we have to get the pregnant dams ready for the big event. Preparation for birth should ideally be done 2-6 weeks prior to the due date. This includes administering any vaccinations, hoof trimming, hygienic trimming, nutritional evaluation, and pen set up.



If your farm participates in a vaccination protocol, the dry period is the perfect time to vaccinate the adults. This allows time for the dams to produce maternal antibodies that will be passed along in their colostrum. This is essential, as the youngstock are born without an immune system, and the maternal antibodies will offer the first rounds of health protection. It also gives you an opportunity to perform a hands-on health assessment of the moms to see if any other issues need to be addressed.



As we move closer and closer to a high stress event, we don't want to add stress during parturition. Any maintenance grooming should be done well in advance. This would include a final hoof trim to make sure there isn't any hoof rot or problems and that the does/ewes will be able to stand after birth to allow nursing. It is also a time to "crotch" out the animals. This is a hygienic clip around the udder, vulva, and fore udder of extremely hairy or woolly animals. A clipped animal is easier to monitor for labor progression, assisting with the birthing process, and for the offspring to find the teats without issue and nurse right away. It's nowhere close to a full body clip, just enough to keep things tidy.

As the due date approaches, the dams will have a high need for energy and nutrients but will not be able to consume enough

feed, due to the space requirements of the growing fetus, to meet this need. Because of the limited amount of space, make sure you are offering nutrient dense feeds along with plenty of fresh water. Have their lactation ration ready to go and any supplements you may need on hand.

Lastly, start setting up where you want them to give birth. Having separate lambing and kidding pens allow the dams to have time to bond with their babies. It reduces the amount of stress, and removes the natural herd competition. Whether they have access to solo pens or small group pens, a dedicated space will also allow you to focus your attention on them when they need it. Some basic supplies to have readily available, either in the pen or close by are: clean towels to help dry off the babies, small nasal bulb to help remove fluid and mucous from the newborn, gloves and lubricant in case you need to reach in and assist, iodine to dip the umbilical cord, and bottled with nipples to offer colostrum if the babies don't nurse right away.

With some small simple steps and planning, you can ensure a smooth kidding/lambing season and enjoy all the signs of new life in your barn.



Shipping Department

**Fertrell Sheep
Nutri-Balancer**

Fertrell®
SINCE 1946
Better Naturally!

**Fertrell Sheep
Nutri-Balancer is
specifically designed
to encourage
optimum health and
performance.**

**Containing not only
essential vitamins and
minerals, but also Kelp
Meal and Cobalt to
support great health
and performance.**

Customer pick ups

Just a reminder, for customer pickups with open vehicles, it is the customer's responsibility to make sure the product is protected from the elements. Although we shrink wrap (the sides) pallets well prior to shipping, the wrapping will not prevent product from being wet. Therefore, we are asking you to be prepared with a tarp. (When caps are available) we can cap your pallet at \$20 per pallet. The request must be made at the time the order is placed, so we are not holding up the loading process at the time of pick up.

Fertrell Dealerships

As part of the partnership between Fertrell and our distributors, we do request any business who has a website to add Fertrell within 30 days after the first Fertrell order, to let shoppers know that they are indeed a Fertrell outlet. We do understand that website updates often do not happen overnight, but we do want to request to add at least the logo or "ask us about Fertrell products" "Fertrell outlet" or similar. We have been receiving calls that dealers listed on our outlet map "do not mention Fertrell on their website," so the assumption is made that you no longer carry our products. Today, many shoppers want to look online before reaching out in person. Thank you in advance for your prompt response to this request!

Fertrell website:

Our Fertrell dealers and distributors are not only listed in our catalog, but also in our Outlet listing on the website. If you are one of those listings, we ask you to periodically check your listing for updates. There is an online form on the Outlet page to submit updates.

Visit us online at: WWW.FERTRELL.CO

Fertrell
SINCE 1946
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Notes & Quote
INSIDE THIS ISSUE

**Notes & Quotes
Newsletter**

How to get our Newsletter
Preferred option: Online at
www.fertrell.com

No online access:
Call 800-347-1566

Product Bundles

For small scale growers and backyard farmers. Check it out on our online store. These make also nice gift ideas.



Fertrell Dairy Products

Fertrell's Nutri-Balancers are special blends of vitamins, minerals and selected bacteria and probiotics to balance your feed programs and ensure proper nutrition. Nutri-Balancer feed supplements contain the highest quality Ingredients to ensure the best absorption and utilization by your animals. By including special ingredients such as Kelp Meal, Alfalfa Meal and digestive probiotics, Fertrell Nutri-Balancers help to provide all the key nutrients your animals need to thrive.

Our philosophy is that a well-bred animal should be a well-fed animal. Breeding determines what an animal can do – feeding and management determines what an animal will do. Let Fertrell Nutri-Balancers help give you a well-fed animal.



Fertrell offers 3 different Dairy Nutri-Balancers. Each has a different calcium to phosphorus ratio to balance rations with different types of forages. Our Dairy Nutri-Balancers have high levels of vitamins, highly bioactive minerals, and direct fed microbials to ensure health and performance of your dairy herd. By using the highest quality ingredients our Dairy Nutri-Balancers ensure that your herd can meet the challenging demands of today's milk markets.

Dairy Nutri-Balancer # 1 – for diets containing mostly legumes. Ca:P 1:2

Dairy Nutri- Balancer # 2 – for diets of mostly legumes with some corn silage. Ca:P 1:1

Dairy Nutri- Balancer # 3 – for diets of mostly corn silage with some legumes. Ca:P 2:1

Dry Cow Mineral is a balanced mineral for both dry cows and bred heifers. Contains essential vitamins and minerals as well as probiotics to ensure optimum health during gestation.

RC Gold 4X is a version of the former Rumi-Cult 40, that is 4 times stronger than the original formula (reducing freight costs). It is packaged in 12.5# bags, as well as in 50# bags. This product has additional enzymes added to enhance digestion of fibers and small grains. The extra enzymes will enable greater flexibility of what may be fed.

Cattle Choice 12-12 is a high potency blend of minerals with no salt added. It is specifically designed to balance the macro and micro mineral requirements of today's high-performance dairy and beef cattle. Caution: Cattle choice does contain copper and should not be fed to sheep.

Heifer Choice 2 to 1 is a high-quality vitamin/ mineral premix specifically designed for raising dairy replacement heifers. It is blended for heifers being fed mostly grass hay and pastures or corn silage and mixed hay combinations. **Caution:** Heifer Choice does contain copper and should not be fed to sheep. Please contact our Animal Nutrition team regarding these and / or any of our feed supplements and animal health products.

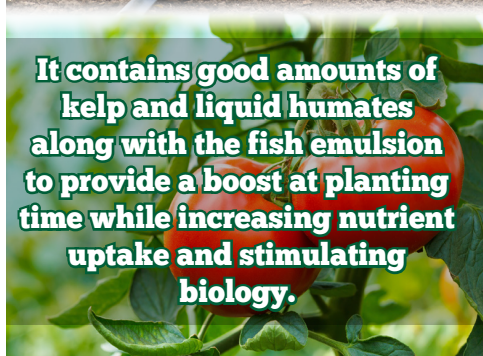


Liquid 3-4-3

10% off during February*



Fertrell Liquid 3-4-3 is formulated to meet the nutritional demands of high producing crops in a liquid fertilization program or a supplemental drip program.



It contains good amounts of kelp and liquid humates along with the fish emulsion to provide a boost at planting time while increasing nutrient uptake and stimulating biology.



This product contains sodium nitrate. Please verify with your certification agent, prior to ordering

*Restrictions Apply

Organic Potting Soil by Brandon Williamson

When you plant seeds, one of the first important steps is when the tiny plants start poking out of the soil we call this seedling emergence. During this early stage, it's crucial to have the right balance of nutrients. Nitrogen helps make leaves green, phosphorus helps roots grow strong, and potassium is like a boost for the entire plant. What's cool about organic fertilizers is that they release these nutrients slowly, so the plants don't get too much at once.

Using potting soil with organic fertilizer is like giving these young plants a shot of colostrum. The nutrients in organic fertilizers help the seedlings grow strong. The organic material in the fertilizer also makes the soil a comfy home for the new plants. It holds onto water, making sure the soil stays just right for the baby roots to grow. This means the plants are less likely to get stressed out by things like transplanting. As the seedlings grow into bigger plants, they keep getting the nutrients they need from the organic fertilizer, making them strong and healthy.

Using the right blend of nutrients in the beginning plant stages is crucial to success. We have been blending our organic fertilizer into potting soil for quite a while now. It has the right balance of nutrients that will help yield abundant and resilient crops.

If you haven't tried it out, we suggest you try a bag and see the results for yourself. One 2.8 cu. ft. loose filled bag will fill 33 (50-cell) flats.



**10% OFF during
the month of January**

**Our Premium Potting
Soil has enough
nutrients added to
the blend to grow
the plants to a
transplantable size.**

**2.8 cu. ft. loose filled
bag will fill
33 (50-cell) flats.**



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