

Fertrell Notes & Quotes



The Fertrell Company:
A Friend of Nature Since 1946

Tracy Mattocks, Editor

Notes from the President's Desk: Dave Mattocks



Welcome to Spring, the most wonderful season of the year. As we witness the coming to life of the trees, flowers, grass and soil creatures, we can also feel rejuvenated.

With great expectations and enthusiasm, the work ahead seems small compared to the pent-up energy from hibernation.

There is growing grass that requires cutting, with unwanted weeds. Gardens will be planted with high levels of enthusiasm. Every seed will be planted with expected results. Flower gardens must be included in our list of things to do. Beauty is always in the eyes of the beholder. Every individual has priorities to accomplish with the coming of Spring.

The value of working with nature cannot be measured in dollars and cents alone. Because we, as a part of creation, have a direct connection to soil, the therapy of working in the soil is highly gratifying. We are uniquely made and need to remember from where we originated. The Bible tells us that "...to every thing there is a season, and a time to every purpose under the heaven: a time to plant, and a time to pluck up that which is planted..." Ecclesiastes 3:1,2

Let us be glad for the Spring season...

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Field Day at Riverview Farm

284 Zook's Lane, Leola PA

Phone: (717)656-2469 ext 2

June 13, 2008, 9 AM – 3 or 4 PM

Local and organic food will be provided.

Please call for reservations by May 31st, 2008.

Why should I use Fertrell Horse Nutri-Balancer? by Don Brubaker

That was just the question that was asked recently through our new Google group on the web. We at the Fertrell Company believe that the products we offer are the best on the market. That may sound biased, but we always formulate our products for results and not price at The Fertrell Company.

Today when I arrived at the office there was a Feed Management magazine on my desk with the story Equine Performance Hinges on Optimal Mineral Intake. The following chart is from that article, with Fertrell specifications added at the end.

Minerals Maintenance	Pregnant and Lactating Mares	Growing Horses	Working Horses	Fertrell Horse Nutri-bal	Tolerance Levels	Maximum
Sodium (%)	.10	.10	.10	.30	.30	3
Sulfur (%)	.15	.15	.15	.15	.21	1.25
Iron (ppm)	40	50	50	40	176	1,000
Manganese (ppm)	40	40	40	40	61	1,000
Copper (ppm)	10	10	10	10	13	800
Zinc (ppm)	40	40	40	40	58	500
Selenium (ppm)	0.1	0.1	0.1	0.1	0.7	2.0
Iodine (ppm)	0.1 - 0.6	0.1 - 0.6	0.1 - 0.6	0.1 - 0.6	15.8	5.0
Cobalt (ppm)	0.1	0.1	0.1	0.1	.73	10

As you can see our 12% horse ration with Fertrell Horse Nutri-Balancer is as good or better than the specifications that were published in Feed Management. The rest of our products will perform just as well for you.

Product Special! GreenClean



Spring is here. It's time for pond cleanouts! GreenClean Granular Algaecide works on contact to control algae in water gardens, ornamental ponds, fountains, and other water features.

Treating String Algae

Use GreenClean on affected areas - including waterfalls and streams. Turn off circulation before applying and then turn circulation back on after 10-20 minutes.

Pond Cleaning

Use GreenClean for spring or fall pond cleaning. First, drain pond (remove fish & plants) then apply GreenClean to all surfaces. Rinse with water after 10-20 minutes and drain. Finally, simply re-fill pond replace fish & plants after de-chlorinating as appropriate).

Waterfall Treatment

Use GreenClean for stubborn string algae on waterfalls. First, turn circulation off and apply GreenClean directly to the algae. Let the GreenClean sit for 15-20 minutes, then restart the system.

Spot Treatment

Use GreenClean directly over the infested area. Re-treatment is required when heavy growth occurs.

Treating Roofs & Hardscapes

Use GreenClean to kill and prevent algae and moss from growing on roofs, walkways and patios. GreenClean may either be spread over the surfaces as a granular application, or it may be diluted in water to be sprayed on.

GreenClean Special price through June 30, 2008 25% off Available in 20 lb and 50 lb pails (while supplies last)

Feeding Milk or Milk Products to Chickens: by Jeff Mattocks

I have had interesting dialogue regarding feeding milk to poultry and think there are several points that need to be addressed.

Chickens love milk and all forms of milk products. You should know that chickens will consume more than they actually need for a daily requirement when milk is being added to feed. This effect is kind of like humans going to a really good buffet. On average we tend to eat a little more than we should.

- Milk in liquid form is "Only" between 3% high producing dairy animal and 8% protein from sheep or yaks.
- Dried whole milk on average is 26.7% protein from cattle.
- Poultry diets are calculated on "As Fed" or "As Is" basis not "Dry Matter" as with ruminants.

Therefore, milk in liquid form, straight from the cow, is 3-4% depending on the breed of bovine.

This data on the protein levels of milk can be gotten from most dairy farmers who sell to wholesalers who pay them based on protein and butter fat content of their milk.

The data I am using is from Feedstuffs magazine, reference issue 2002.

Morrison's Feeds and Feedings, 1957 shows milk protein level to be 3.5%.

I really don't want to be the "wet blanke" on this subject and I think there is a place for milk in a poultry diet. But on the other hand, I have autopsied several birds - broilers that had severely enlarged livers that were pale or uniformly discolored from free choice milk feeding.

- A chicken's liver only has so much capacity to process fats in the diet, and only a portion of these can come from milk or animal fats.
- Fat levels in a modern chicken diet must be between 4-6% of the diet total.

If you choose to feed milk to poultry, the feed ration must be compensated for the fat content of the milk. Therefore the milk quantity should be measured and controlled.

Changes to feeding and poultry over the past century:

- Due to the genetic selection and breeding of poultry over the past 100 or more years, the modern breeds, whether Cornish Cross or production layers, have diet requirements that are much higher than those of their ancestors 100 years ago.
- 100 years ago the average hen laid 150-200 eggs per year in comparison to 290-310 for modern production layers.
- The protein requirement of today's layers are 17-18% protein at the onset of lay-heritage breeds 12-14% was sufficient to support good egg production.
- The same holds true for the broilers of today verses the White Rock dual purpose birds of a century ago. Today the modern broiler breeds requires 18-22% protein to develop on time, or even to live well. If this protein value is not achieved they will suffer and have metabolic deficiencies or disorders. While the old heritage breeds that were used for meat would do well with a 16-17% protein starter-grower and 12-14% finisher, their growing period was over 14-16 or more weeks.

Years ago, broiler or meat birds would have hatched in May to early June when temperatures would have been milder, bugs available and a good scratch grain with left over milk would have made a decent feed. Their feed requirements weren't as high as today's super birds.

Milk is a really nice treat for poultry and if used judiciously can provide great help when fighting Coccidiosis and Necrotic Enteritis.

Milk is not really an effective modern breed poultry feed ingredient that will have enough protein to significantly offset the use of soybeans, peas, fishmeal, crab meal, or other protein inputs.

I honestly wish someone would do a SARE Grant to prove me and the data I have access to, wrong. I believe that milk is a wonderful whole food just not for poultry.

The Fertrell Berry Program

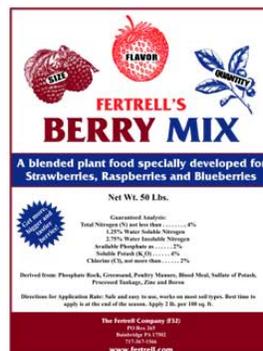
The Fertrell Berry Program is designed around organic fertilizers and how they work with different berry plants. The best time to fertilize is based on the plants' needs, to allow the nutrients to be absorbed by the roots in time to have an impact on plant growth and berry production. Many of our fertilizers will work well for berries, but **Fertrell Berry Mix 4-2-4** is specifically designed for berries with added zinc, boron, and sulfur.

Blueberries thrive in acidic soil within a 4.5 to 5.1 PH range. The lower PH makes it difficult for the plants to utilize phosphorous. We recommend a late summer to fall (July-September) feeding of **Holly Care 4-6-4** high phosphorous fertilizer with sulfur to provide the nutrients and acidity blueberries need with plenty of time for the roots to absorb them. In the early spring before leaves are fully developed, apply **Fertrell Berry Mix 4-2-4** to give the plants a boost prior to leaf and berry production. Using hardwood sawdust for mulch will reduce the nitrogen intake of your plants, and additional nitrogen may be required.

"Brambles" - Raspberries, Blackberries, Black caps, etc - Use a March application of **Aragonite** followed by an April application of **Berry Mix 4-2-4**. In August through October, apply **Berry Mix 4-2-4** to allow the nutrients to be absorbed into the plants roots. This will help set the plants for heavy Spring production.

Strawberries - Fertilize strawberries after the last harvest with **Berry Mix 4-2-4** before you mulch the plants. The fertilizer will more readily available to the plant roots if allowed to be absorbed directly into the soil while protected by the mulch. A spring application of **Fertrell Liquid #1** applied on top of the mulch at a ratio of 50 parts water to 1 part fish will give the plants a boost prior to berry production and help transfer the nutrients built up in the mulch to the plants.

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Blueberries			<i>Berry Mix 4-2-4 5lbs per 100 sq ft</i>				<i>Holly Care 2-2-45 lbs per 100 sq ft</i>					
"Brambles" Raspberries Blackberries Etc			<i>Aragonite 3lb per 100 sq ft</i>	<i>Berry Mix 4-2-4 5 lbs per 100 sq ft</i>			<i>Berry Mix 4-2-4 5lbs per 100 sq ft</i>					
Strawberries			<i>Liquid #1 At a 50:1 ratio</i>				<i>After Harvest Berry Mix 4-2-4 5lbs per 100 sq ft</i>					



The Fertrell Lawn Care Program

Mid August-September Turf Pro 5-3-4 is the most balanced of our granulated lawn care products. Turf-Pro 5-3-4 can be applied any time from April through October and is designed to thicken the turf and build the root system. Lower nitrogen complements the use of Weed Ban. Applied in late summer to early fall (**September-November**) at a rate of **6-10lbs per 1000 square feet**, Turf-Pro 5-3-4 will help your lawn recover from summer time damage and prepare for the winter dormant season.

November The bases of an effective lawn program begins with the mineralization of your lawn's soil. Fertrell's Soil Mineralizer applied in the **October - November** time frame at a rate of **10lbs per 1000 square feet** provides available calcium to allow lawn fertilizers applied later to be most effective. Soil Mineralizer also contains trace minerals, salt and sulfur to condition the soil and allow the turf's root structure to remain healthy during the dormant season and start off strong in the Spring.

Late Winter to early Spring (optional) February-March, is the time to apply Aragonite at a rate of **10lb per 1000 square feet** to give the soil a shot of calcium and help the turf get the most out of the nutrients already present in the soil and rain. This is also the time to apply **Weed Ban** to prevent the unwanted seeds from turning into unwanted weeds. Weed Ban will also provide nitrogen and boost the early Spring growth. Weed Ban may also be applied in late **June to July** to prevent fall weeds.

Early Spring Turf-Master 8-1-8 is our premium granulated lawn fertilizer containing both readily available and slow release nitrogen to promote lush sustained green growth while offering nutrients and minerals to thicken the turf and provide a healthy root system. Turf-Master 8-1-8 is ideal for Spring applications (**March-April**) at a rate of **5lbs per 1000 square feet**. Heavier applications, 6-10lb per 1000 square feet, will not burn grass-just lawn mower gas.

End of May - June Turf-Green 9-1-4 is for late Spring and Summer, (**June-July**) at a rate of **5lbs per 1000 square feet**, when you want to green up the lawn and promote summertime growth. Turf-Green 9-1-4 is granulated specifically to promote turf growth and bring a deep green to your lawn.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Soil Mineralizer										10 lb Per 1000 Sq Ft		
Aragonite		10 lb Per 1000 Sq Ft										
Weed Ban		20 lb Per 1000 Sq Ft				20 lb Per 1000 Sq Ft						
Turf Master			5 lb Per 1000 Sq Ft									
Turf Green					5 lb Per 1000 Sq Ft							
Turf Pro										10 lb Per 1000 Sq Ft		



Fertrell's Fruit Tree and Grape Recommendation



Apply fertilizer around base of fruit trees in a circle equal to the spread of the branches. That will cover the root system, which is equal to the branches in size.

All recommendations are in pounds per inch diameter of the base of the tree. A tree that measures four inches across the base and is recommended at 2 lbs per inch diameter. Should have 8 pounds of fertilizer spread on the ground covering out to the edge of the branch canopy.

Blue label and gypsum or Aragonite are added for mineralization and root growth in the Fall. Super N and foliar fertilizer are added in the Spring for leaf, blossom, and fruit growth.

	<i>Blue Label</i>	<i>Gypsum or Aragonite</i>	<i>Super N</i>	<i>Dormant Oil *</i>	<i>Foliar #3/ Humic Acid **</i>	<i>Surround</i>
Apple Tree Pear Tree	<i>Fall - 2 lb Per inch diam.</i>	<i>Fall - 3 lbs per inch diameter</i>	<i>Spring-2 lbs per inch diam.</i>	<i>Per directions</i>	<i>Per directions below</i>	<i>Per directions spring/once more if req.</i>
Stone Fruit Apricot Plum Peach	<i>Fall - 2 lbs per inch diameter</i>	<i>Fall - 2 lbs per inch diameter</i>	<i>Spring-2 lbs per inch diam.</i>	<i>Per directions</i>	<i>Per directions below</i>	<i>Per directions spring/once more if req.</i>
Nut Trees	<i>Fall - 2 lbs per inch diameter</i>		<i>Spring-2 lbs per inch diam.</i>			
Grapes & Vines	<i>Fall - 2 lbs per inch diameter</i>	<i>Fall - 2 lbs per inch diameter</i>	<i>Spring-1 lbs per inch diam.</i>	<i>Per directions</i>	<i>Per directions below</i>	<i>Per directions spring/once more if req.</i>

* Dormant Oil- Pure Spray Green, Insect Spray, or Seacide

- Apply 50:1 at the pre-leaf or bud stage, cover all exposed growth.
- For insect control use 100:1 as needed. Add Pyganic to mix per directions if desired.

!! Do Not Apply During Blossom! Needs To Be Allowed To Pollinate!!

** Foliar Feeding- Combine the following;

Liquid #3 three quarts
Humic Acid one pint
Water 10 gallons or as needed to cover all trees

Apply the mixture twice as follows;

At full foliage

$\frac{1}{2}$ fruit set

!! Do Not Apply During Blossom! Needs To Be Allowed To Pollinate!!



Close-out Items While Supplies Last!!!

Fertrell has the following items on close out while supplies last. Please call the main office for details on these products. (717) 367-1566.

BEAT IT!

BEAT IT is the most effective Deet-free, all natural herbal bug spray on the market.

Tell those bad bugs to just ... BEAT IT! Deet-free herbal insect repellent is for all nature lovers and outdoor enthusiasts. BEAT IT! effectively keeps insects away DEET-FREE! BEAT IT! is a **safe alternative to harsh chemical repellents**. Its bug busting strength comes from an essential oil combination of citronella, eucalyptus, tea tree, catnip, sweet orange, lemongrass, neem seed and other **essential oils** blended with soothing aloe vera and wheat germ oil in a base of pure water and biodegradable surfactants derived from coconut oil. BEAT IT! not only works great but smells wonderful and leaves your skin feeling soft and smooth.

Use on PEOPLE AND PETS to repel mosquitoes, deer flies, yellow flies, black flies, fleas, ticks, chiggers, and no-see-ums. BEAT IT! is now available in a durable spray pump, aluminum bottle, perfect for hiking and camping and easily recycled! BEAT IT! was developed for the humid, hot, swampy, bug infested climates of Florida.

Limited supply of 4 oz and 8 oz spray available

Hot Pepper Wax Insect Repellent is a natural garden/greenhouse spray repellent and insecticide. It is proven effective against aphids, spider mites, whiteflies, cabbage loopers and beet armyworms for up to 2 weeks.

Limited supply of 22 oz ready to use

16 oz concentrate or 1 gal concentrate

Perma-Guard Grain Storage D-10

Perma-Guard D-10 Grain or Seed Storage insecticide is refined from a fresh water Diatomaceous Earth of a particular variety and has a very high level of purity. Insect control by this material is of a physical nature, not chemical. D-10 kills in nine ways, all physical, but the primary cause of insect death is from dehydration.

The success of Perma-Guard D-10 system for protecting grains or seeds from insect damage depends upon lightly coating the outside surface of substantially all kernels with this powder. The most effective protection will be achieved if grain or seed are treated immediately after harvest. For best results, the moisture content of the grain or seed to be treated should be adjusted to no more than about 12% by weight. After treatment the grain or seed should be stored in bulk at a temperature above that required to hatch insect eggs which may be present for a period of time to hatch all eggs on the grain or seed.

Available in 1# and 5# bags

Soft Guard Gel

A clear, concentrated gel formulation of naturally healing aloe and vitamins, Soft Guard Gel is intended for topical use on cuts, wounds, abrasions, chapped teats, equipment stressed or otherwise unconditioned teats, teat ends or udders. The gel should be used daily for long term udder health maintenance.

Available in 12 fluid oz bottle

Super Soil Charger Tubes

Get your plants, shrubs and trees to REALLY thrive!! Inject some Super Soil Charger into the soil and watch the action.

Available in a kit (2 - 10 oz tubes and applicator gun) or single tubes

Cal-Pan Mint Udder Spray

With 35% pure Cal- pan Japanese Peppermint Oil to sooth and clear

Fertrell Dura-Bull Mineral Feeder - This durable mineral feeder features a heavy-duty 41" diameter flap protected by a rubber disk and solid bottom to minimize waste.

Perfect for the protecting your investment during the Grazing Season!

Protecting both the Livestock and the Minerals!

Quantities limited



The Farmer-to-Farmer Marketplace:

Connecting farmers to farmers for products they want to sell or need to buy. **You must be a Fertrell customer, and any crops or animals must have been fertilized or fed with Fertrell products.** We will not get involved in any monetary transactions. The ad may contain grains, forages, livestock, equipment, Include name, address, email, phone #, type of product, and any information that is pertinent to the ad. First come first served. **The ad will be run twice, and then you will need to resubmit if you wish it to be included again.** Email jeffmattocks@fertrell.com or don@fertrell.com or call the office at 717-367-1566 by 10th of month before publication.

Hay, Forages, Grains and Livestock

Organic & Non-GMO Roasted Soybeans & Corn

Bags, Totes, Bulk --- Ground, Rolled, Whole Picked Up --- Freight Arranged, Nutritional Blending, Inc. (800) 285-0796 nbisoybean.com (P0107)

Certified Organic Hay Top quality alfalfa, 49 large square bales. Please contact: Ernest Miller, IN (574)825-5260 (S0308)

Black Angus Cattle, Twenty-five ready for slaughter 3/15 - 5/30. No antibiotics or hormones. Raised locally on grass & finished on homegrown forage, hay, and grain. All natural raised, but not certified organic. Call Henry Martin, Watsontown PA Wed's 7pm - 7:15pm only. (S0308)

Equipment:

Poultry Processing Equipment Ashley, Pickwick, Featherman, Poultryman pickers and scalders. Vacuum packing machines, shrink bags, knives, kill cones and any equipment for poultry processing. We ship anywhere; Jim McLaughlin, Cornerstone Farm Ventures, Norwich, New York (800) 249-1585 or on the web at www.chickenpickers.com (P0107)

Cultivator 2 row, IVA manufacturing with fertilizer tank attachment, 4 years old, asking \$1100 leave message at (717)786-1049

Planet Junior Push Seed Planter \$225.00, also 8 cases of praying mantes Contact Donald Merrith, Hydes, MD (410)592-2467 (S0507)

Miscellaneous:

Eight cases of praying mantes Contact Donald Merrith, Hydes, MD (410)592-2467 (S0507)



Dealers News from the Field:

Your experiences throughout the growing season would be appreciated! Questions, comments, success stories, problems and suggestions are welcome. Deadline for submission will be the 10th of the month. Please keep your information brief and to the point. Fax into the office at 717-367-9319 att: News from the Field. Or e-mail news@fertrell.com Note: Please see our website for dealer addresses and phone numbers of a dealer near you.

Congratulations to the following new dealers:

Sunset Natural Foods 6104 Nittany Valley Road, Mill Hall, PA 17751 (570)726-7235

Edge of the Woods Native Plant Nursery LLC 2415 Route 100, Orefield, PA 18069

info@edgeofthewoodsnursery.com, web www.edgeofthewoodsnursery.com phone (610)395 2570, fax (610) 395 3546

Lansing City Market 333 N. Cedar, Lansing, MI 48912 (517)483-7460 www.lansingcitymarket.com

Miller's Orchards Farm Market 1515 Fairview Rd., Clarks Summit, PA 18411 (570)587-3399

Field Work Inc. LLC, 461 Mary's Pond Rd., Rochester, MA 02770 (508)295-2731

Bob Broyles PO Box 10, Towanda, KS 67144 (316)617-0467

Floyd McClaskey 1641 S. Webb Rd., Geuda Springs, KS 67051 (620)442-0878

John Thelander 4228 E. Crawford Salina, KS 67401

Scott Powers HC 2 Box 95-2 Gainesville, MO 65655 (417)679-3660

Coyote Creek Organic Feed Mill 13817 Klaus Ln ,Elgin, TX 78621 phone: (512)940-5663 fax: (512)285-2556

Stoneybrook Farm 37091 Charlestownpike , Hillsboro, VA 20132 (703) 999-6234

Thomas Edwards 5944 Oak Creek Way, Baltimore, OH 43105 (614)414-0005

Osterling's Lawn & Garden 101 S Monroe St, Butler, PA 16001 (724)287-3745

Osterling's Feed & Farm Supply 410 Erie St Ext, Grove City, PA 16127 (724)458-6141

Tips from the Front!



Check out our local outlets - they have more convenient hours than the Fertrell Plant.

Anna's Garden Center, 2919 River Road, Middletown PA 17057 (717)944-1124 (open evenings, Saturdays and Sundays) one stop will get your plants and fertilizer.

Brandt's Farm Supply, East High Street, Elizabethtown PA 17022 (717)367-1221

Davis Florist & Garden Center, 4200 Locust Lane, Harrisburg, PA 17109 (717)545-4721 bdavisr@verizon.net

East Drumore Foods, 937 Little Britain Road, Quarryville, PA 17566 (717)786-9171

Esh's Sharpening, 3867 Old Philadelphia Pike, Gordonville, PA 17529 (717)786-8422

Miller's Natural Food Store, 2888 Miller Lane, Bird In Hand, PA 17505 (717)768-7582

For the hobby/backyard farmer, we now have supplements available in small packaging:

10 lb Kelp meal

10lb Poultry Nutri-Balancer

5 lb Aragonite

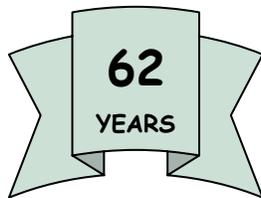


PO Box 265
Bainbridge, PA 17502

717-367-1566
FAX 717-367-9319

We're on the web
www.fertrell.com

A Friend of Nature Since 1946



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Fertrell group on Google

Remember to join the Fertrell group on Google. We currently have 40 members. Post your questions about organic and natural farming practices, including row crop, gardens, ornamentals, livestock, poultry and all things for sustainable agriculture.

Check it out!! Current questions include information on:

Nutri-Sil, Cattle Bac, Cal-Ox Gel, duck/geese ration, fly spray, foot and mouth program, feeding chickens without GMO fears, goat mastitis, and grain for cattle.

When joining the group please fill out your profile with your name, location and a brief biography. This will help connect members with the same interest.

Upcoming Events:

Greenview Lawn and Garden's show as part of the Amish Expo in Conneautville, PA on May 10th, 2008.

Fertrell Products will be presented. For more information, please call 814-587-2844