



Fertrell

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Healing the
earth and feeding
the world *better,*
naturally.

Backyarders
& Homesteaders
See page 26

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just for you

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Fertilizer Usage Guide	9
Berry Care Program	10
Fruit Tree, Nut Tree and Grape Recommendations	11
Soil Analysis Request Form	13
Home Garden Fertilizer Recommendations	27
Lawn Care Program	28
Tree and Shrub Program	29
Mineral Wheel	32
The Fertrell Company History	33
Fertrell Outlets	35
Feed Manufacturers with Fertrell Products	39
Customer Testimonials	41

Products for Your Soil

Fertilizer Gold Blend	3
Fertilizer Super Blends	3
Fertilizer Blue Blend	3
Fertilizer Specialty Blends	4
Liquid Fertilizer Blends	4
Liquid Soil Amendments	4
Nitrogen Sources	5
Phosphorous Sources	5
Potassium Sources	5
Calcium Sources	5
Magnesium Source	6
Sulfur Source	6
Soil Amendments	6
Soil-Based Microorganisms & Mycorrhizal Fungi	6
Herbicides	7
Bactericides/Fungicides	7
Surfactant Additive	7
Professional Organic Potting Mix	7
Insecticides	8

Animal Nutrition Products

Dairy Products	15
Beef Supplement	15
Free-Choice Supplements for Livestock on Pasture	16
Supplements	16
Forage Inoculant	17
Forage & Feed Testing Procedures	17
Supplements for Swine, Goats, Sheep, and Horses	18
Supplements for Poultry	19
Dairy, Beef, Goats, Sheep & Horse Rations	21
Poultry & Swine Rations	22
Animal Health Products	23
Dr. Paul's Products	24
Redmond Products	25

Backyarders & Homesteaders

Products for Small-Scale Livestock ...	26
Lawn Care	28
Products for the Small-Space Gardener	30



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OUR MISSION

Your trusted partner, creating superior products for healthier soil, plants and animals. Healing the earth and feeding the world better naturally!

VALUES

Quality, Integrity, Customer Service, Compassion, Uniqueness.

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Fertilizers and Soil Conditioners

Our products are manufactured with ingredients that are NOP compliant and /or OMRI listed. However, we do recommend you checking with your specific certifier regarding the approval.

Fertrell fertilizers are biological plant foods, formulated to provide “time released” nutrients for your crops throughout the entire growing season. Fertrell plant foods are a unique combination of products which feed both plants and soil microorganisms. Fertrell fertilizers provide all the essential elements necessary for high-yield crop production and soil management. At Fertrell, we have recognized that the soil is a living organism — a vital and valuable resource. Our products encourage a living, well balanced soil.

The development of Fertrell products represents years of research. We provide a complete organic and natural product in one package — a plant food and soil conditioner that stimulates and builds the soil while supplying the necessary nutrients for plant growth. Our goal is to advance sustainable agriculture with a strong commitment to profitable farming, healthy soils and optimal production.

Fertrell fertilizers are natural and organic blends that provide the elements required to build a healthy and productive soil. Through the action of soil microbes, Fertrell fertilizers provide plants with a complete ration of nourishment during their growing season. By using Fertrell fertilizers you are helping to ensure crop quality as well as crop productivity.

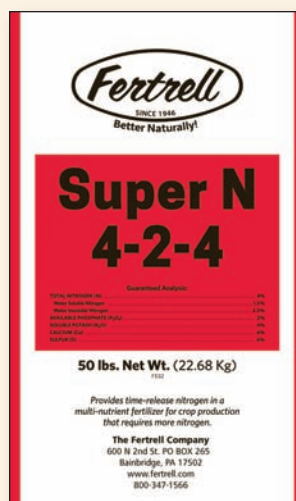
Fertrell fertilizers are a balanced plant food and soil conditioner that provide both macro- and micro nutri-

ents to facilitate optimal growth. Fertrell products have a lasting effect with ingredients that release nutrients throughout the growing season, stimulating plant growth and soil life. Our products help your soils to become richer by:

- Feeding soil microbes
- Supplying trace elements
- Stimulating humus production

Fertrell uses only the highest quality ingredients available. Our blends are produced to meet the needs of our customers. The basis of our products are animal and vegetable proteins and mined minerals, including blends of kelp, fish, feather and crab meals, and sulfate of potash, among others.

We support certified organic, natural, biological, and sustainably-minded farmers and produce products according to their needs and specifications. Sustainable agriculture is our passion and expertise.



Fertilizer Gold Blend

Gold Special Starter 2-4-2

Gold Special Starter is specially formulated as a starter or pop up fertilizer. Readily available phosphorus speeds germination and promotes rapid and vigorous growth. This is advantageous in areas with a short growing season or on heavier soils in a wet season. On soils testing low to medium phosphorus, it is most efficient in a band application. Use as a starter over a wide variety of crops, especially corn, small grains, seed beds and where strong root growth is required. Includes Boron and Zinc. Approximate bulk density 62 lbs/cu ft.

Fertilizer Super Blends

Super N 4-2-4

Super N is specially formulated as a multi-purpose plant food. It provides readily available nutrients to get the germinating seedling off to a fast and vigorous start, while supplying time-released nutrients that continue to feed the crop through the entire growing period. Because of the unique formulation of Super N, the entire plant food requirements of a crop can be applied in the row. Available with and without added Boron, Boron and Zinc. Approximate bulk density 59 lbs /cu ft.

Super K 3-4-7

Super K fertilizer is blended to meet the demands of higher phosphorus and potassium requirements by certain crops. It performs much like a combination of Super N 4-2-4 and Gold SS just with higher available potash. The phosphorus helps get germinating seedlings off to good start and the extra potassium helps finish the crop. Super K is also blended with crab meal for nematode control. Available with and without added Boron, Boron and Zinc. Approximate bulk density 46 lbs/cu ft.

Super 3-2-3

Super 3-2-3 is suited for most plant food applications. It is particularly well formulated for gardens and is very effective for spring plantings. Recommended in row for sowing seeds as well as a side dress on growing plants. Side dressing may be done at the time of planting. Super 3-2-3 will be available throughout the growing season. It will not leach away. Lawns: As a general purpose fertilizer, it is able to activate the microbial life in the soil which aids in thatch reduction. It adds important nutrients for strong root growth. It gives steady and long term nutrition to the soil and plants which results in strong soil and plant structure which is able to be resilient to adverse conditions — drought, heavy play area, etc. Approximate bulk density 46 lbs /cu ft.

Super Plus 3-0-7

Super Plus 3-0-7 is a long lasting Phosphorus free fertilizer. It has Aragonite and Zeolite which will give a little Calcium and trace minerals along with Nitrogen and Potassium. The Zeolite will help with soil conditioning and water retention. The Nitrogen sources are slow release so, there will be Nitrogen throughout the growing season. This product is for soil high in Phosphorus and low in Potassium. Approximate bulk density 71 lbs/cu ft.

Fertilizer Blue Blend

Blue N 5-1-1

Blue N is an advanced formulation providing a time-released nitrogen in a multi-nutrient fertilizer. Blue N was specially formulated for crop production that requires more nitrogen and when manures and legume rotations are used on a minimal basis. Blue N should be applied in broadcast application and plowed under or worked into the soil. Blue N will provide maximum growth and assure you of a strong finish. If phosphorous levels in the soil are low, then a starter fertilizer should be used in conjunction with Blue N. Available with and without Boron and with and without Sodium Nitrate. Approximate bulk density 52 lbs/cu ft.

Fertrell Custom Blended Fertilizers

Fertrell cares about the health of your soils and the crops you are producing. Our agronomists are available to interpret your soil tests, help with crop rotations, identify areas for improvement on your farm, and provide required soil fertility recommendations. One way Fertrell can address this is by custom blending fertilizers to match soil tests and an individual farm's needs. Some important points to remember:

- Minimum order of 1 ton or 2000 lb required for custom blends
- Custom made Fertilizer can be put into 50 lb bags or 2000 lb totes (minimum order 1 ton)
- Made specifically for your fields requirements
- Addition of micro-nutrients, beneficial soil biology or beneficial biology with mycorrhizae available.

This is a service that Fertrell offers as a benefit to you and your farm. Please contact your Fertrell Representative to discuss this option.

NOTES

- Add Fertrell Beneficial Biology or Fertrell Mycorrhizae Plus to any standard or custom blend.
- All blends available in Bag (50 lb) and Tote (2000 lb). When using fertilizer blends with added Boron and/or Zinc organic certifiers require a current soil test to show deficiency.
- **Allergen Notice:** Our fertilizer blends may contain peanut meal, feather meal and crustacean meal.

Specialty Blends and Liquid Fertilizers

Fertilizer Specialty Blends

Berry Mix 4-2-4

Berry Mix is a blended plant food specially aimed at more, bigger and tastier berries. Safe and easy to use. Works in most soil types. Best time to apply is at the end of the season. Includes Boron and Zinc. Approximate bulk density 65 lbs/cu ft. Also available in 25 lb bag.

Earth Friendly All Purpose 5-5-3

Earth Friendly All Purpose is an organic blend that provides balanced, slow-release nutrients without the risk of burning. It improves water penetration and conditions the soil for vigorous root growth. It does not contain Sulfur — it does contain Sodium Nitrate and Sul-po-mag. Approximate bulk density 49 lbs/cu ft. Also available in 25 lb bag.

Holly Care 4-6-4

An organic based plant food formulated to provide the high level of available phosphoric acid required by acid loving plants. Use it on hollies, dogwoods, gardenias, marigolds, rhododendrons, azaleas, ferns, hydrangeas and all other acid loving plants. Approximate bulk density 48 lbs/cu ft. Also available in 25 lb bag.

Rose Food 4-2-4

A favorite for rose growers, Rose Food is formulated as a multi-purpose plant food. It contains readily available nutrients to get the plant off to a fast and vigorous start while time released nutrients feed the plant throughout the growing period. Approximate bulk density 47 lbs/cu ft. Also available in 25 lb bag.

Liquid Fertilizer Blends

Fertrell Liquid 3-4-3

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.

- Plastic Container (1 qt, 1 gal, 2.5 gal)



Fertrell Liquid #3 2-3-1

Fertrell Liquid #3 will now have a new analysis with higher phosphorus. It will still have the same great benefits with the same combination of kelp concentrate and liquid fish as previous versions. Fertrell Liquid #3 also contains liquid humates to increase nutrient uptake and stimulate soil biology. Use as a foliar spray or added to liquid fertigation systems, our improved Liquid #3 will be better suited to meet the needs of growing crops with higher phosphorus. Liquid #3 can also be used as a transplant solution or applied during stress periods of plant growth i.e. early growth, budding, pod formation, fruiting, prior to frost, and crops damaged by herbicide. When foliar feeding, apply as a fine mist in early morning or late afternoon.

- Plastic Container (1 qt, 1 gal, 2.5 gal)



Drammatic "O" 2-5-1

Pure Liquid Fish Hydrolysate stabilized with phosphoric acid.

- Plastic Container (55 gal)



Liquid Soil Amendments

Fertrell Bio-Hume (12% concentrated Liquid Humus)

This liquid product is derived from decayed organic matter (humates). Liquid Humic Acid has a high cation exchange capacity which serves to chelate (collect) plant food elements and release them as the plant requires. The chelation process holds the nutrients in the soil solution and prevents their leaching and runoff. Humic acids will improve humus content in the soil for better tilth, water and nutrient retention, and soil aeration. Seed germination and plant root and top growth are enhanced.

- Plastic Container (1 gal)

Fertrell Liquid Kelp Concentrate

Liquid Kelp is not considered a fertilizer (the amounts of NP&K are relatively low) but contains all the micro-elements from A to Z; growth plant hormones, vitamins, enzymes and carbohydrates. It's a biostimulant, root system developer, and minor-nutrient deficiency cure. It can be used in conjunction with any water soluble spray.

- Plastic Container (1 qt, 1 gal)

Pro K 0-0-20

A fully soluble, plant-derived liquid potassium fertilizer. It is certified for organic use, designed to supply this nutrient (K) in a highly soluble form.

- Plastic Container (2.5 gal)

Micro Elements

A blend of micronutrients, freshwater algae extract, nitrogen and plant extracted amino acids (derived from Soybean).

- Plastic Container (2.5 gal)

Explorer 10-0-0 Liquid

A premium organic liquid nitrogen fertilizer. Explorer is 100% water soluble and approved for organic production. The L-Amino Acids in Explorer are immediately plant available, do not leach.

- Plastic Container (3.5 gal)

Individual Fertilizer Components

Nitrogen Sources

Alfalfa Meal 3-1-2

A reasonable alternative to blood meal as a source of nitrogen and is nicely balanced with phosphorous and potassium. Its carbohydrates and protein make it an excellent soil conditioner by encouraging microbial activity in the soil. Micronutrients are plentiful because its extensive root system provides them to the plant from deep below the earth's surface. Typical Analysis: 2.5-3% N based on protein. Approximate bulk density 30 lbs/ cu ft.

- Paper Bag (5 lb, 50 lb)

Blood Meal 12-0-0

A fast release source of organic nitrogen. It should only be used on plants that have a high nitrogen requirement. It may also be used in compost piles to increase the speed of the decomposition process. Tends to act as a deer repellent. Approximate bulk density 47 lbs/ cu ft.

- Bag (50 lb)

Feather Meal 13-0-0

An ideal source of nitrogen for all crops requiring a steady long lasting supply of that element. The product is not very water soluble, therefore leaching away from crops is almost nonexistent. The nitrogen is made plant available through microbial activity. Approximate bulk density 28 lbs/cu ft.

- Bag (50 lb)

Peanut Meal 8-1-1

Is a vegetable protein meal used as a natural Nitrogen Source. Approximate bulk density 47 lbs/cu ft.

- Bag (50 lb), Tote (2,000 lb)



Allganic Nitrogen 15-0-2

A highly available source of Nitrate nitrogen. Use when quick release nitrogen is needed to provide a boost to the crop. Sodium nitrate does have the ability to burn crops so limit its contact with crop foliage. Approximate bulk density 75 lbs/cu ft.

- Bag (50 lb)

Phosphorous Sources

Cal-Phos™ 0-3-0 18Ca

Cal-Phos™ is a naturally mined source of readily available phosphorus and calcium. With up to 18% total Phosphorus and 3% Phosphorus immediately available it can be a good amendment for soils needing phosphorus. It will not leach and will remain in plant-available form. The addition of Cal-Phos™ to manure has been proven to greatly reduce ammonia levels and increase the amount of Nitrogen retained in the manure for plant use. Approximate bulk density 74 lbs/cu ft. *Check availability.*

- Bag (50 lb)

Phostrell 0-6-0 32Ca

Phostrell is a unique blend of bone char and aragonite providing a high level of phosphorus and calcium. Approximate bulk density 81 lbs/cu ft.

- Bag (50 lb), Tote (2,000 lb)

Potassium Sources

Green Potash 0-0-15

Green Potash is a Fertrell custom blend containing zeolite and kelp. It provides an available source of potassium as well as a vast array of micro-nutrients in trace amounts. Zeolite also holds additional nutrients in plant-available forms and retains up to 55% of its weight in moisture. This is a great product anywhere additional potassium is required. Approximate bulk density 53 lbs/cu ft.

- Bag (50 lb), Tote (2,000 lb)

Sul-Po-Mag

0-0-18 22S 11Mg

Sul-Po-Mag is a soluble sulfate of potassium-magnesia. It is a crushed mineral that will



not alter the soil pH. Apply where magnesium and potassium are deficient and calcium is abundant. Approximate bulk density 97 lbs/cu ft.

- Bag (50 lb)

Sulfate of Potash 0-0-52 18S

Sulfate of Potash is a potassium and sulfur product used in potassium-deficient soils. Approximate bulk density 100 lbs/cu ft. *Please call for availability.*

- Bag (50 lb)

Calcium Sources

Aragonite 0-0-0 33Ca

Aragonite is a sea calcium that is exceptionally high in calcium and low in magnesium. Many soils have had dolomite lime added for years and the magnesium may be tying up other nutrients in the soil. Gypsum and aragonite should be used to off set a high mag content soil. Approximate bulk density 98 lbs/ cu ft.

- Bag (5 lb, 50 lb), Tote (2,000 lb)

Gypsum (Calcium Sulfate) 0-0-0 23Ca 17S

Is an outstanding soil supplement for soil lacking calcium, but the pH is adequate or high. Gypsum will loosen the soil, encourage soil life, and add the needed calcium. Calcium also acts as a weed deterrent as most weeds prefer acid soils. The sulfur when combined with water will form a weak sulfuric acid which will release calcium that is tied up in the soil solution. This is quick reaction product. Approximate bulk density 54 lbs/cu ft.

- Bag (50 lb)

Individual Fertilizer Components

Magnesium Source

Magnesium Sulfate 0-0-0 9.8Mg 13S

A great source of magnesium and sulfur for improving your soils and crops. Epsom salt can be applied and incorporated in the soil or dissolved in water and used for foliar or drip application. It is a fast and easy way to apply these two essential nutrients. Approximate bulk density 59 lbs/cu ft.

- Bag (50 lb)

Sulfur Source

Sulfur 90% Pelleted

90% Sulfur Granules is a quality sulfur-bentonite product that degrades readily upon contact with moisture in the soil. This provides a large surface area of sulfur to be oxidized to the sulfate form of sulfur. Approximate bulk density 71 lbs/cu ft.

- Bag (50 lb)

Soil Amendments

Diatomaceous Earth

Diatomaceous Earth is an abrasive powder made from the mineral remains of single cell aquatic plants. Approximate bulk density 16 lbs/cu ft.

- Bag (50 lb)

Fertrell Soil Mineralizer

Mineralize your soil with Fertrell Soil Mineralizer. It provides available calcium to allow your fertilizers to be most effective. It also contains trace minerals salt and sulfur to condition the soil and allow root structure to remain healthy. Apply at a rate of 15 lbs per 1000 square feet or 500lb/acre. Approximate bulk density 62 lbs/cu ft.

- Bag (50 lb), Tote (2,000 lb)

Pro Cal 3-0-0

A fully soluble, dry fertilizer approved for use in organic production, specifically designed to supply this important nutrient as a foliar. Great to use in prevention of the blossom end rot bitter pit, and other Ca deficiencies.

- Bag (44 lb)

Fertrell Micro Nutrient Essentials

A dry micro nutrient blend that can be added to your fertilizer to provide a complete plant food with all essential plant nutrients.

- Bag (50 lb)

Active 2-20-2

Active 2-20-2 is manufactured using the highest quality plant and mineral sources. The nitrogen comes from soy protein hydrolysate.

- Bag (44 lb)

Kelp Meal

Kelp meal conditions the soil, builds soil life, stimulates root development, reduces the effects of drought and frost and improves water retention in the soil. Our kelp meal is dehydrated and chopped seaweed of the *Ascophyllum nodosum* variety. It takes about two weeks to become plant available through microbial activity. Application rate: 15-25 lb/acre. Approximate bulk density 43 lbs/cu ft.

- Bag (50 lb)

Live Earth Humates

Live Earth Soil Conditioner is a 100% Humic Shale ore without fillers, binders or other additives. It can be safely applied at any time during the growing season without risk of burning. Additionally, the humic acid contained in our Soil Conditioner may increase the uptake of nutrients. Because it contains only aged ancient plant matter, it is safe for use around pets and children. Live Earth Humate is a CDFA Organic Input Material and can be used in all organic farming applications.

- Bag (50 lb)

Worm Castings

Worm Castings are a well balanced soil amendment providing a rich mixture of micronutrients, microbial organisms and organic matter. They contain an almost equal percentage of nitrogen, phosphorous and potassium plus calcium, and magnesium. An excellent top dressing for plants. Can be added to potting

mix, houseplants and raised beds.

- Bag (30 lb)

Zeolite

Zeolite's high CEC (cation exchange capacity) allows for absorption of cations (Ca, K, N, Mg, etc.) and holds them in plant-available form. Zeolite can hold up to 55% of its weight in water. Typically, when Zeolite is applied, crops require up to 35% less water. Zeolite has the ability to loosen heavy clay soils and retain nutrients and moisture in light sandy soils. Zeolite helps prevent compaction, increases water/nutrient infiltration and increases aeration. Zeolite absorbs ammonia very well from manure applications and works well for odor control of ammonia if mixed with manure. Approximate bulk density 57 lbs/cu ft.

- Bag (10 lb, 50 lb)

Soil-Based Microorganisms & Mycorrhizal Fungi

Fertrell Beneficial Biology

Contains our top blend of beneficial soil-based microorganisms including multiple species of plant growth promoting rhizobacteria (PGPR) and other beneficial plant growth promoting microorganisms (PGPs). This specially formulated blend enhances and restores beneficial soil microbe populations to augment the natural organic processes that occur in healthy soils.

- Bag (50 lb)

Fertrell Mycorrhizae Plus

This blend of beneficial soil-based microorganisms plus mycorrhizal fungi colonizes, nourishes and aids plant roots and the surrounding rhizosphere. This provides improved crop health, greater drought tolerance and mineral availability (i.e. phosphorus, nitrogen, calcium, iron, and more) and a more robust soil food web.

- Bag (50 lb)

Herbicides and Bacteriacides/Fungicides

Herbicides

200 Grain White Vinegar

Used as a natural and organic control of broad-leaf weeds. Vinegar is most effective when sprayed on target weeds during the hottest part of the day while they are in direct sunlight. Repeat spraying may be necessary to eradicate deeply-rooted weeds. Contains 20% acetic acid.

- 1 gal, 2.5 gal, 55 gal

Nature's Avenger

This natural, citrus oil based herbicide is designed to meet the needs of homeowners and businesses looking for an alternative to synthetic herbicides. Nature's Avenger is fast acting — often seeing visible results in two hours or less! Dead weeds or grass the next day. Tested against the leading synthetic herbicide glyphosate, Nature's Avenger has proven to be just as effective, but faster acting. Tested against other organic or "natural" products on the market approved for certified organic production.

- Plastic Jug (2.5 gal)



Bactericides/Fungicides

Copper Sulfate (25% Cu)

Copper sulfate is useful as a fungicide. It can be mixed with lime or used as a single ingredient. Water soluble. Average bulk density 75 lbs/cu ft.

- Bag (1 lb, 5 lb, 50 lb)

Regalia

Active against Soilborne and other pathogens that triggers a plant's natural defenses to protect against a variety of fungal and bacterial diseases. Designed for field and greenhouse applications, Regalia is an innovative tool to maximize plant health, quality and yield in a wide variety of specialty crops, including grapes, tomatoes, leafy greens, potatoes, citrus, cucurbits and strawberries

- Plastic Jug (32 oz, 2.5 gal)



Stargus

A Biofungicide that offers growers a sustainable mode of action to control Downy Mildew, Early and Late Blight, and a broad range of other fungal and bacterial diseases in a large number of commercial specialty crops.

- Plastic Jug (2.5 gal)



Surfactant Additive

Nu Film® P

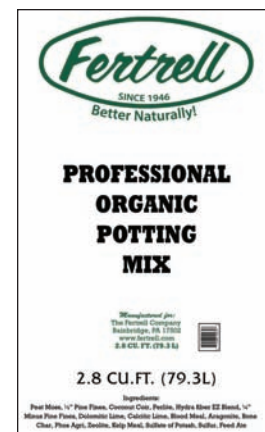
Nu Film® P is a surfactant additive (adjuvant) to use with foliar fertilizers, pesticides, fungicides and bactericides to increase their efficacy and decrease the effects of rain and UV light. It is derived from PINOLENE® a highly refined pine resin that melds with the waxy leaf surface.

- Jug (1 gal)

Professional Organic Potting Mix

Professional Organic Potting Mix is blended in accordance with the national organics program using only the best ingredients. The potting soil has nutrients added to aid in quick uniform and vigorous germination of seeds. Our potting soil has enough nutrients added to the blend to grow the plants to a transplantable size. The excellent water retention ability of our potting soil means less water is needed. This blend will support the plants immune system for a healthier transplant. Aragonite has been added to encourage better utilization of the nutrients in the blend. Aragonite is a sea calcium that is much more bio available than rock lime. Whether you are growing plants from seed, plugs or you are raising perennials and shrubs you will not be disappointed in this potting soil. One 3 cu. ft. loose filled bag will fill 33 (50-cell) flats. This product is only seasonally available.

- Loose fill bag (2.8 cu. ft.)



Insecticides

Insecticides

Grandevo

Grandevo is a bio-insecticide that is effective on chewing and sucking insects and mites. Grandevo has multiple modes of action to be long-lasting. It is safe for beneficials.

- Pack (1 lb, 6 lb)

Majestene

A powerful species-selective bionematicide with activity against eggs, juveniles and adult lesion, root knot, dagger, stunt, reniform and soybean cyst nematodes. Great for wire worm control.

- Plastic Jug (2.5 gal)



Pure Spray Green

Pure Spray Green provides protection at its purest. It quickly removes harmful insects, insect eggs, and pathogens, and at the same time is mild on beneficial insects. Proven in many cases to work as well as or better than synthetic chemical pesticides.

- Plastic Jug (2.5 gal)



PyGanic

PyGanic provides immediate insect control for organic farming. PyGanic Crop Protection was specially developed for Producers of Certified Organic Crops, providing immediate control of more than 40 insects, on over 200 crops. Its active ingredient is pyrethrum, an extract from the chrysanthemum plant family. Pyrethrum provides fast knockdown and control of a broad spectrum of crop-damaging insects, such as aphids, leafhoppers, thrips, mites, beetles, Lepidoptera and whitefly.

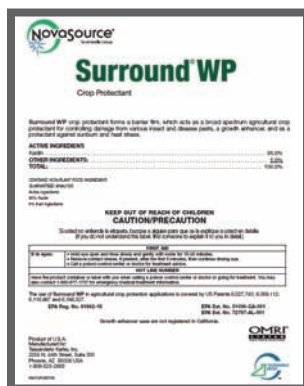
- Plastic Jug (1 gal)



Surround WP

Surround WP crop protectant offers growers a potent new weapon against pests and harmful solar effects. After Surround is sprayed on the plants, it safeguards fruit and foliage against many harmful insects, sunburn damage and heat stress. Surround WP is OMRI listed.

- Bag (25 lb)



Venerate XC

Venerate XC is a bio-insecticide that is effective on chewing and sucking insects such as thrips, aphids, leafhoppers, BM stinkbugs, etc. Venerate XC is safe for beneficials.

- 32 oz, 2.5 gal



Successful organic farming often combines both organically-approved insecticides and Integrated Pest Management (IPM).

Fertilizer Usage Guide

Corn	After sod with manure	Super N 4-2-4	350 lbs/acre
	After sod without manure		400 lbs/acre
	After corn with manure		400 lbs/acre
	After corn without manure		450 lbs/acre
	After beans with manure		300 lbs/acre
	After beans without manure		350 lbs/acre
	After legumes with manure		300 lbs/acre
	After legumes without manure		350 lbs/acre
Soybeans	After corn with manure	Super K 3-4-7	200 lbs/acre
	After corn without manure		250 lbs/acre
	After small grains with manure		200 lbs/acre
	After small grains without manure		250 lbs/acre
Small Grains	After sod with manure	Gold SS 2-4-2	150 lbs/acre
	After sod without manure		200 lbs/acre
	After corn with manure		200 lbs/acre
	After corn without manure		275 lbs/acre
	After legumes with manure		200 lbs/acre
	After legumes without manure		250 lbs/acre
Legumes	Continuing alfalfa	Super K 3-4-7	<i>Call for recommendations</i>
	After corn with manure		300 lbs/acre
	After corn without manure		375 lbs/acre
	After small grains with manure		300 lbs/acre
	After small grains without manure		375 lbs/acre
Grasses	After corn with manure	Blue N 5-1-1	250 lbs/acre
	After corn without manure		300 lbs/acre
	After beans with manure		250 lbs/acre
	After beans without manure		300 lbs/acre
	After legumes with manure		200 lbs/acre
	After legumes without manure		250 lbs/acre
	Continuing grass		250 lbs/acre
Vegetables	Greens with manure	Super N 4-2-4	400 lbs/acre
	Greens without manure		450 lbs/acre
	Fruiting crops with manure	Super K 3-4-7	400 lbs/acre
	Fruiting crops without manure		450 lbs/acre

Above are general recommendations and can be customized based on a soil test for best results.

The Fertrell Berry Care Program

The Fertrell Berry Care Program utilizes all natural and organic products and is designed for the natural grower. The best times to fertilize are based on the plants needs allowing 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

Blueberries thrive in acidic soil (4.5 to 5.1 pH range).

- In the early spring before leaves are fully out apply Fertrell Berry Mix 4-2-4 to give the plants a boost prior to leaf and berry production.
- Between July and September, we recommend a one time application of Holly Care 4-6-4 to provide a high phosphorous fertilizer with sulfur with plenty of time for the roots to absorb them.

Brambles: Raspberries, Blackberries, Black caps, etc.

- In March apply Aragonite followed by an April application of Berry Mix 4-2-4.
- Between August and October apply Berry Mix 4-2-4 once. The nutrients will be absorbed in the plants' roots preparing the plants for heavy fruit production the next spring.

Strawberries

- A spring application of Fertrell Liquid #3 applied on top of the mulch at a ratio of 75 parts water to 1 part Fertrell Liquid #3 2-3-1 will give the plants a boost prior to berry production and help wash the nutrients built up in the mulch to the plants.



- Fertilize strawberries after the last harvest with Berry Mix 4-2-4 one time between July thru September before you mulch the plants. The fertilizer will be more readily available to the plant roots if allowed to be absorbed directly into the soil while protected by the mulch.

	January-March	April-June	July-September
Blueberries	Berry Mix 4-2-4 6lb /100 row ft. One application in March. Fertrell Liquid #3 2-3-1 1-2oz/Gal every 14-21days throughout growing season	Pure Spray Green 2-4oz/Gal of water. Apply in spring at first leaves after last hard frost. Regalia at 2 Tbsp/Gal with Nufilm P ½ oz/Gal. Scout for pest pressure. Fertrell Liquid #3 2-3-1/Bio-Hume every 14-21days throughout growing season. Dripline application of Soluble S.O.P 0-0-52 18S at 10-15#/Acre every 7-10 days is recommended for fruit sizing.	Holly Care 4-6-4 10#/100 row ft, One application Post harvest. Scout for insects. Use Pyganic followed by Grandevo or Venerate
Brambles: Raspberries, Blackberries, Black caps, etc.	Aragonite 8#/100 row ft applied once in early spring. Berry Mix 4-2-4 6lb per 100 row ft. One application in March.	Pure Spray Green 2-4oz/Gal of water. Apply in spring at first leaves after last hard frost. Regalia at 2 Tbsp/Gal with Nufilm P ½ oz/Gal. Scout for pest pressure. Fertrell Liquid #3 2-3-1/Bio-Hume every 14-21days throughout growing season. Dripline application of Soluble S.O.P 0-0-52 18S at 10-15#/Acre every 7-10 days is recommended for fruit sizing.	Berry Mix 4-2-4 10#/100 row ft, One application Post harvest. Scout for insects. Use Pyganic followed by Grandevo or Venerate
Strawberries	Berry Mix 4-2-4 6lb per 100 row ft. One application in March. Fertrell Liquid #3 2-3-1 1-2 oz per Gal every 14-21 days throughout growing season. Aragonite 8#/100 row ft applied once in early spring.	Pure Spray Green 2-4oz/Gal of water. Apply in spring at first leaves after last hard frost. Regalia at 2 Tbsp/Gal with Nufilm P ½ oz/Gal. Scout for pest pressure. Fertrell Liquid #3 2-3-1/Bio-Hume every 14-21days throughout growing season. Dripline application of Soluble S.O.P 0-0-52 18S at 10-15#/Acre every 7-10 days is recommended for fruit sizing.	Berry Mix 4-2-4 10#/100 row ft, One application Post harvest. Scout for insects. Use Pyganic followed by Grandevo or Venerate

Fertrell Fruit Tree, Nut Tree and Grape Recommendations

Fertilizer should be applied at the drip line of the branches. Applying at the drip line will cover the root system which is equal to the branches in size.




	January–March	April–June	July–September	October–December
Apple & Pear Trees	<p>Super N 4-2-4 apply 2#/in diameter in spring or at planting.</p> <p>Apply Pure Spray Green in late winter before plants wake up at 2–4oz/Gal</p>	<p>Apply Regalia and rotate with STARGUS both at rates of 2Tbsp/Gal every 10–14 days.</p> <p>Apply Pure Spray Green 2–4oz/Gal every 14–21 days.</p> <p>Begin scouting for pests and use preventative pest measures such as Grandevo, Venerate, or Pure Spray Green.</p> <p>Use Fertrell Liquid #3 2-3-1/Bio-Hume every 14–21 days.</p>	<p>Scout and prepare for 2nd generation pest pressure.</p> <p>Use Regalia at 2 Tbsp/Gal every 14 days.</p> <p>Use Pyganic followed by Grandevo or Venerate once pest pressure is found.</p> <p>Rates vary depending on pest.</p>	<p>Pure Spray Green should be applied later fall at 2–4oz/Gal of water.</p> <p>Gold SS 2-4-2 apply at 2#/in. diameter in fall.</p> <p>Apply Soil Mineralizer at 2#/in. diameter in fall.</p>
Stone Fruit: Apricot, Plum & Peach Trees	<p>Super N 4-2-4 apply 2#/in diameter in spring or at planting.</p> <p>Apply Pure Spray Green in late winter before plants wake up at 2–4oz/Gal</p>	<p>Apply Regalia and rotate with STARGUS both at rates of 2Tbsp/Gal every 10–14 days.</p> <p>Apply Pure Spray Green 2–4oz/Gal every 14–21 days.</p> <p>Begin scouting for pests and use preventative pest measures such as Grandevo, Venerate, or Pure Spray Green.</p> <p>Use Fertrell Liquid #3 2-3-1/Bio-Hume every 14–21 days.</p>	<p>Scout and prepare for 2nd generation pest pressure.</p> <p>Use Regalia at 2 Tbsp/Gal every 14 days.</p> <p>Use Pyganic followed by Grandevo or Venerate once pest pressure is found. Rates vary depending on pest.</p> <p>Use Fertrell Liquid #3 2-3-1 every 14–21 days to ensure proper fruit sizing.</p>	<p>Pure Spray Green should be applied later fall at 2–4oz/Gal of water.</p> <p>Gold SS 2-4-2 apply at 2#/in. diameter in fall.</p> <p>Apply Soil Mineralizer at 2#/in. diameter in fall.</p>
Nut Trees	<p>Super N 4-2-4 apply 2#/in diameter in spring or at planting.</p> <p>Apply Pure Spray Green in late winter before plants wake up at 2–4oz/Gal</p>	<p>Apply Regalia and rotate with STARGUS both at rates of 2Tbsp/Gal every 10–14 days.</p> <p>Apply Pure Spray Green 2–4oz/Gal every 14–21 days.</p> <p>Begin scouting for pests and use preventative pest measures such as Grandevo, Venerate, or Pure Spray Green.</p> <p>Use Fertrell Liquid #3 2-3-1/Bio-Hume every 14–21 days.</p>	<p>Scout and prepare for 2nd generation pest pressure.</p> <p>Use Regalia at 2 Tbsp/Gal every 14 days.</p> <p>Use Pyganic followed by Grandevo or Venerate once pest pressure is found. Rates vary depending on pest.</p> <p>Use Fertrell Liquid #3 2-3-1 every 14–21 days to ensure proper fruit sizing.</p>	<p>Pure Spray Green should be applied later fall at 2–4oz/Gal of water.</p> <p>Gold SS 2-4-2 apply at 2#/in. diameter in fall.</p> <p>Apply Soil Mineralizer at 2#/in. diameter in fall.</p>
Grapes & Vines	<p>Super N 4-2-4 or Super K 3-4-7 apply 2#/in diameter in spring or at planting.</p> <p>Apply Pure Spray Green in late winter before plants wake up at 2–4oz/Gal</p>	<p>Apply Regalia and rotate with STARGUS both at rates of 2Tbsp/Gal every 10–14 days.</p> <p>Apply Pure Spray Green 2–4oz/Gal every 14–21 days.</p> <p>Begin scouting for pests and use preventative pest measures such as Grandevo, Venerate, or Pure Spray Green.</p> <p>Use Fertrell Liquid #3 2-3-1/Bio-Hume every 14–21 days.</p>	<p>Scout and prepare for 2nd generation pest pressure.</p> <p>Use Regalia at 2 Tbsp/Gal every 14 days.</p> <p>Use Pyganic followed by Grandevo or Venerate once pest pressure is found. Rates vary depending on pest.</p> <p>Use Fertrell Liquid #3 2-3-1 every 14–21 days to ensure proper fruit sizing.</p>	<p>Pure Spray Green should be applied later fall at 2–4oz/Gal of water.</p> <p>Gold SS 2-4-2 apply at 2#/in. diameter in fall.</p> <p>Apply Soil Mineralizer at 2#/in. diameter in fall.</p>
Product Use Directions	<p>Pure Spray Green (dormant oil)/50:1 Pre-leaf or bud cover all exposed growth. For Insect control use 100:1 as needed.</p> <p>Add Pyganic to mix per directions if desired.</p> <p>Do not apply during blossom! Needs to be allowed to pollinate!</p> <p>Per Acre – Mix 3 quarts Fertrell Liquid #3 2-3-1, 1 pint Bio-Hume, and 10 gal of water (or as needed to cover all trees)</p> <p>Per Gallon – Mix 2 oz Fertrell Liquid #3 2-3-1 and ¼–½ oz Bio-Hume per gallon of water</p>			<p>Apply mixture twice as follows: full foliage, ½ fruit set.</p> <p>Do not apply during blossom! Needs to be allowed to pollinate!</p> <p>Apply Soil Mineralizer at 2lbs per inch diameter.</p> <p>Apply Regalia 1 qt/50 gal of water after fruit set every 14–21 days discontinue after harvest.</p>



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About the Soil Test

- Soil testing is the agronomist's map to supplying the best blended fertilizer for your soil type and specific crops.
- Soil samples should be a true representation of the area sampled; results will reflect only the nutrient status of the sample revived.
- Test kits are available from Fertrell or your Fertrell dealer at no charge. The lab fee will be billed at the end of the month when we receive the invoice from the lab.
- Please send completed test form with sample directly to Agri Analysis or A&L Lab. This will help expedite the process.

Please allow 2 weeks for the report.

Tips for Tips for Taking Soil Samples

- Soil samples should be taken from the top 6 inches of the field.
- Samples should be taken from several areas of a field. These samples should represent the good and poor areas in that field. The size of the field determines the number of samples.
- Samples should be mixed in a clean plastic pail with a wooden stick and poured into a plastic bag or the bag provided by the lab.
- We recommend that samples not be touched by hands without gloves.
- For row crops, the best time for sampling is after the crop is mature or harvested. Hayfields, pastures and lawns may be sampled anytime when the temperature is above 40° F.

- Soil test should be taken at least every 2-3 years, however under certain circumstances yearly samples maybe necessary.

Note: Soil probes are not contained in the test kit.

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About Fertrell Nutri-Balancers

Fertrell's Nutri-Balancers are special blends of vitamins, minerals and direct-fed microbials (selected bacteria and probiotics) to balance your feed programs and insure 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 of 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 determine what an animal will do. Let Fertrell Nutri-Balancers help give you a well-fed animal.

We also custom blend minerals for specific animal nutritional needs.

Fertrell's Livestock and Poultry Supplements

Fertrell's vitamin mineral premixes came into existence in 1974 after our existing fertilizer customers urged the owners of Fertrell to make livestock supplements. It was also recognized that forages and feeds no longer contained enough nutrients to sustain modern, high production breed performance, making the need for balanced, organic and natural vitamins and minerals all the greater.

Fertrell Nutri-Balancers contain a blend of microbials, kelp meal, trace minerals and the highest quality macro minerals available on the market.

Our mission is to promote your animals' health so that they can perform at their fullest potential. It is our guarantee to you that we will continue to use high quality inputs to manufacture our livestock, poultry and specialty supplements.

Dairy Products

Fertrell offers 3 different Dairy Nutri-Balancers. Each has a different calcium to phosphorus to balance rations with different types of forages. Our Dairy Nutri-Balancers have high levels of vitamins, highly bioavailable 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 is able to meet the challenging demands of today's milk markets.

- Paper Bag (50 lb)

DAIRY NUTRI-BALANCER GUARANTEED ANALYSIS

Salt (min)	0.5%
Salt (max)	1.5%
Magnesium (min)	4.5%
Potassium (min)	0.9%
Selenium (min)	30 ppm
Vitamin A (min)	240,000 IU/lb
Vitamin D ₃ (min)	79,000 IU/lb
Vitamin E (min)	2,400 IU/lb

*Calcium & Phosphorus levels will vary depending on which Nutribalancer you choose.

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

A balanced mineral blend for both dry cows and bred heifers. Contains essential vitamins and minerals as well as probiotics to ensure optimum health during gestation.

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	3%
Calcium (max)	4%
Phosphorus (min)	5.5%
Salt (min)	0.90%
Salt (max)	1.25%
Selenium (min)	20 ppm
Vitamin A (min)	390,000 IU/lb
Vitamin D ₃ (min)	125,000 IU/lb
Vitamin E (min)	5500 IU/lb

RC Gold 4X

RC Gold 4X is a version of Rumi-Cult 40 that is 4 times stronger than the original formula. (reducing freight costs.) It is packaged in a 12.5 lb. bag, 4 per case. One 12.5 lb bag will replace one 50 lb bag of Regular Rumi-Cult 40. 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. RC Gold 4X has been formulated for use in organic production as well.

- Foil Bag (12.5 lb)
- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Vitamin A (min)	1,600,000 IU/lb
Vitamin D ₃ (min)	520,000 IU/lb
Vitamin E (min)	16,000 IU/lb
Total Live Yeast (min)	160 billion CFU/lb
Lactic Acid Bacteria (min)	310 million CFU/lb

For Nutri-Balancer rations, see page 21.



Beef Supplement

Beef Nutri-Balancer

Fortified heavily for the beef growers and finishers to provide nutritional support during times of stress. Specifically formulated to meet the nutritional requirements of a brood cow.

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	16%
Calcium (max)	18%
Phosphorus (min)	6%
Salt (min)	11.5%
Salt (max)	12.5%
Magnesium (min)	5.5%
Potassium (min)	1.5%
Selenium (min)	30 ppm
Copper (min)	180 ppm
Zinc (min)	960 ppm
Vitamin A (min)	208,000 IU/lb
Vitamin D ₃ (min)	85,000 IU/lb
Vitamin E (min)	2,600 IU/lb
Total Live Yeast (min)	18 Billion CFU/lb
Total Lactic Acid Bacteria (min) ..	40 Million CFU/lb

For beef rations, see page 21.

Pit N' Pen

Are you tired of all the back breaking work of cleaning out box stalls? Pit N' Pen will help to ease that work by dissolving the solids and gistering the fibers in manure. Do neighbors around you complain about how your liquid manure smells when you are spreading it on the fields? Pit N'Pen can help with this. By using Pit N' Pen you will be helping to break down the manure into more soil friendly and neighbor friendly asset from your farm. One 25 lb box treats up to 500,000 gallons of liquid manure or up to 35,000 cubic feet of dry bedding making pack manure.

APPLICATION RATES

Dry Manure Packs 1/2 lb per 100 sq ft
Non-Fibrous Apply every 3 inches of depth
Fibrous Apply every 6-8 inches of depth

Liquid Manure Packs

Initial treatment 2 lb per 10,000 gallons
Subsequent treatments ... 1/2 lb per 10,000 gallons

Free Choice Supplements for Livestock on Pasture

Grazier's Choice

A ready-to-use mix of kelp meal, calcium, phosphorus, trace mineral salt from red-mond minerals, vitamin E, selenium, and diatomaceous earth. Even grazing livestock will have a need for supplemental calcium, phosphorus, vitamins and selenium. *Grazier's Choice contains no added copper and is not harmful to sheep.*

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	9.5%
Calcium (max)	10.5%
Phosphorus (min)	3.0%
Salt (min)	24%
Salt (max)	26%
Selenium (min)	45 ppm
Zinc (min)	20 ppm
Vitamin E (min)	1,350 IU/lb

Grazier's Choice with Copper

Our Grazier's Choice mineral with 1,000 ppm copper added. For producers with low copper levels in pastures or forages.

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	9.5%
Calcium (min)	10.5%
Phosphorus (min)	3.0%
Salt (min)	26%
Salt (max)	24%
Copper (min)	1500 ppm
Selenium (min)	45 ppm
Zinc (min)	20 ppm
Vitamin E (min)	1,350 IU/lb

Cattle Choice 12-12

Cattle Choice 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.*

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	14%
Calcium (max)	16%
Phosphorus (min)	12%
Salt (min)	0.3%
Salt (max)	0.5%
Magnesium (min)	4%
Potassium (min)	1%
Selenium (min)	30 ppm
Vitamin A (min)	200,000 IU/lb
Vitamin D ₃ (min)	80,000 IU/lb
Vitamin E (min)	2,500 IU/lb

Heifer Choice 2 to 1

Heifer Choice 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 cornsilage and mixed hay combinations. Caution: Heifer Choice *does contain copper and should not be fed to sheep.*

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	17%
Calcium (max)	20%
Phosphorus (min)	10%
Salt (min)	0.2%
Salt (max)	0.3%
Magnesium (min)	4.0%
Potassium (min)	0.5%
Selenium (min)	30 ppm
Selenium (max)	33 ppm
Vitamin A (min)	208,000 IU/lb
Vitamin D ₃ (min)	80,000 IU/lb
Vitamin E (min)	2,600 IU/lb
Total Live Yeast (min)	18 billion CFU/lb
Lactic Acid Bacteria (min)	40 million CFU/lb

Fertrell Fly Aside

Fertrell Fly Aside is a high-sulfur and garlic granular mineral supplement for all grazing livestock. Sulfur is an essential element that is key in forming the amino acids Methionine and Cystine. Sulfur also aids cattle in the utilization of non-protein nitrogen found in lush early growth grasses. Garlic has been shown to reduce external parasite pressure.

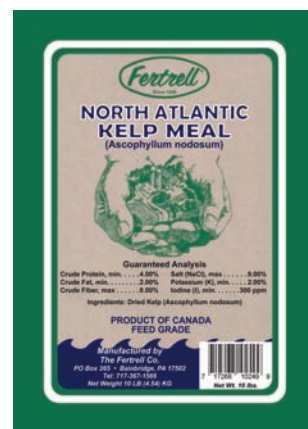
- Paper Bag (50 lb)

Supplements

Magnesium Sulfate

Epsom Salt — is a valuable combination of magnesium and sulfur with magnesium at 10% and sulfur being at 13%. This unique combination of mineral makes it more easily digested than most other forms of magnesium. Our livestock have a requirement for both magnesium and sulfur being added to their diets. Epsom Salt is probably the most effective supplement for these minerals.

- Paper Bag (50 lb)



Fertrell North Atlantic Kelp Meal

Fertrell North Atlantic Kelp Meal is a 100% natural feed supplement manufactured by Acadian Seaplants Limited. ASL™ Kelp Meal is a naturally balanced and chelated source of trace minerals containing a broad range of minerals and other essential nutrients necessary for optimal animal nutrition.

- Paper Bag (50 lb)

Thorvin Kelp

Thorvin Kelp is harvested from Iceland in an organic harvest site. The fresh harvest is immediately brought to a nearby dryer so none of the nutrients are lost in transport. Thorvin Kelp is then dried at controlled low temperatures using geothermal energy, a renewable resource, to concentrate its rich nutrient profile. Thorvin contains one third less moisture, 30% more iodine, and is the only kelp supplement with a guaranteed selenium claim. Thorvin Kelp is certified organic and OMRI-Listed.

- Paper Bag (50 lb)

Forage Inoculant & Feed/Forage Testing Procedures

Forage Inoculant

Nutri-Sil

Nutri-Sil is a live bacteria, added to silage and baled forages to assist the fermentation process. It causes the forages to retain more of their moisture, protein and energy value and increases the palatability and digestibility of the harvested crop.

• Paper Bag (50 lb)

GUARANTEED ANALYSIS

Total Bacteria (*Enterococcus faecium*, *Lactobacillus buchneri*, *Bacillus Subtilis*, *Lactobacillus plantarum*, *Pediococcus acidilactici*, *Enterococcus faecium*, *Bacillus subtilis*)

..... 115 Billion CFUs/lb (min)

DIRECTIONS

Mix thoroughly with forage at the rate of:

MOISTURE %	NUTRI-SIL (lbs)
60% or above	1 lb per ton
40%-60%	2 lb per ton
40% or less	3 lb per ton



Water Soluble Nutri-Sil

Nutri-Sil decreases the pH rapidly to begin the fermentation process for good quality stored silages and baled forages. The lactic acid bacterium begins the fermentation process, helping the forages to retain more moisture, protein, and energy value. Using water soluble Nutri-Sil will help with the palatability and the digestibility of the silage and baled forages. Water soluble Nutri-Sil has the same bacteria that our trusted Nutri-Sil has, which has been accepted for organic production for over 20 years. One package will treat 100 tons of product providing 5 grams per treated ton of forage at 60% moisture and above. Use 10 grams for moisture 40-60%. Use 15 grams for moisture 40% or less.

• Package (500 grams)

GUARANTEED ANALYSIS

Total Bacteria (*Enterococcus faecium*, *Lactobacillus buchneri*, *Bacillus Subtilis*, *Lactobacillus plantarum*, *Pediococcus acidilactici*, *Enterococcus faecium*, *Bacillus subtilis*)

..... 125 Billion CFUs per 5 gram

Forage & Feed Testing Procedures

Please request test bags from the Fertrell office and follow the sampling instructions below.

On the sample bags, be sure to include the following:

- Your complete address
- Phone number
- Name of your local rep (if applicable)
- For forages, request the **Fertrell Forage Test Analysis**.
- For grain request the **AG4A test**.

Mail samples directly to:

Waypoint Laboratory
280 Newport Road
PO Box 483
Leola, PA 17540

SAMPLING INSTRUCTIONS

Analytical results are only as good as the sample, please follow instructions below.

- Avoid contamination by using clean hands and clean containers.
- Collect enough material to fill the sample bag (about 1 pint).
- All bagged samples should be placed in a larger plastic bag for shipment. Squeeze the air out of the bag and tie it shut. If shipping is delayed for more than one day the samples should be frozen.

Silage Samples

- When filling your silo, take 3 to 5 handfuls of silage from each of several loads.
- From store silage: Do not collect off the top. Either dig down 2 to 3 feet or collect freshly unloaded material. Take 3 to 5 handfuls from different locations.

Concentrates and Grain

- Take 5 to 6 random cup sized samples from different locations in the mixture.

Hay Samples

- It is best to use a forage sampler. They take a sample 1 1/8" in diameter by 18 inches long.
- Different 'batches' should be kept separate and tested separately.
- Samples should be taken from about 15-20 bales. Square bales: probe from the end into the center.
- Stacks of hay: probe at random 15 to 20 times.
- Round bales: also collect 15-20 probes by probing from the outside diameter toward the center.

Supplements for Swine, Goats, Sheep, and Horses

Swine

Sow Nutri-Balancer

Sow Nutri-Balancer is uniquely fortified to meet the extra needs of sows during gestation and lactation. Providing extra vitamins, minerals, trace minerals and direct fed microbials promoting optimum health.

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	19%
Calcium (max)	21%
Phosphorus (min)	9%
Salt (min)	9.5%
Salt (max)	11%
Iron (min)	3400 ppm
Zinc (min)	3300 ppm
Selenium (min)	6 ppm
Selenium (max)	7 ppm
Vitamin A (min)	72,000 IU/lb
Vitamin D ₃ (min)	13,000 IU/lb
Vitamin E (min)	450 IU/lb

Swine Nutri-Balancer

Fertrell Swine Nutri-Balancer has been developed to exceed the nutritional needs for all stages of developing swine on pasture or in confined areas. Providing high levels of vitamins, minerals and direct fed microbials to support health and development.

- Paper Bag (60 lb)

GUARANTEED ANALYSIS

Calcium (min)	19%
Calcium (max)	22%
Phosphorus (min)	8%
Salt (min)	8%
Salt (max)	10%
Iron (min)	3600 ppm
Zinc (min)	2500 ppm
Selenium (min)	5 ppm
Selenium (max)	6 ppm
Vitamin A (min)	60,000 IU/lb
Vitamin D ₃ (min)	11,000 IU/lb
Vitamin E (min)	375 IU/lb



For swine, goat, sheep, and horse rations, see page 21-22.

Goats

Goat Nutri-Balancer

Our premier Goat Nutri-Balancer is 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-Balancer should be used with high-quality grains and forages for maximum health and performance.

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	14%
Calcium (max)	16%
Phosphorus (min)	9%
Salt (min)	0.5%
Salt (max)	1%
Magnesium (min)	4%
Selenium (min)	30 ppm
Selenium (max)	33 ppm
Zinc (min)	4,000 ppm
Copper (min)	2200 ppm
Copper (max)	2300 ppm
Vitamin A (min)	280,000 IU/lb
Vitamin D ₃ (min)	80,000 IU/lb
Vitamin E (min)	3,500 IU/lb
Total Live Yeast (min)	25 billion CFU/lb
Lactic Acid Bacteria (min)	60 million CFU/lb

Sheep

Sheep Nutri-Balancer

Sheep Nutri-Balancer is specifically designed to encourage optimum health and performance. Containing not only essential vitamins and minerals but help meal and cobalt to support great health and performance.

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	12%
Calcium (max)	14%
Phosphorus (min)	3.5%
Salt (min)	1%
Salt (max)	1.5%
Magnesium (min)	8%
Potassium (min)	2%
Selenium (min)	30 ppm
Vitamin A (min)	230,000 IU/lb
Vitamin D ₃ (min)	70,000 IU/lb
Vitamin E (min)	800 IU/lb
Manganese (min)	2,200 ppm
Zinc (min)	2,000 ppm
Iron (min)	1,800 ppm
Cobalt (min)	100 ppm
Iodine (min)	170 ppm
Total Live Yeast (min)	10 billion CFU/lb
Total Lactic Acid Bacteria (min)	20 million CFU/lb

Horses

Horse Power

Horse Power is a vitamin/mineral premix with added probiotics to enhance digestion and help improve performance while promoting which promotes strength, stamina and muscle tone. Add to grains for a complete horse feed.

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	10%
Calcium (max)	12%
Phosphorus (min)	4%
Salt (min)	17%
Salt (max)	19%
Magnesium (min)	0.9%
Copper (min)	160 ppm
Selenium (min)	11 ppm
Zinc (min)	1000 ppm
Vitamin A (min)	79,200 IU/lb
Vitamin E (min)	1,000 IU/lb

Redmond Rocks

Salt rocks with shapes designed specifically for horses that uses the horse's natural intelligence to teach them to seek. Contains trace minerals from an ancient sea in Southern Utah. Also available in loose salt form.



GUARANTEED ANALYSIS

Salt (min)	91%
Salt (max)	96%
Calcium (min)	0.35%
Phosphorus (min)	0.002%
Magnesium (min)	0.06%
Potassium (min)	0.03%
Sulfur (min)	0.07%
Copper (min)	10 ppm
Zinc (min)	1 ppm



Supplements for Poultry

Poultry Nutri-Balancer

Poultry Nutri-Balancer is made with specialty products created exclusively for Fertrell. As a complete vitamin and mineral supplement, your poultry will thrive on our Poultry Nutri-Balancer. While there are many look-alike products, none can measure up to the original Fertrell Poultry Nutri-Balancer. Poultry Nutri-balancer can be used for all species of poultry (broilers, layers, turkeys, ducks, guineas, etc), ages and stages of production.

- Paper Bag (60 lb)

GUARANTEED ANALYSIS

Methionine (min)	3.3%
Calcium (min)	13%
Calcium (max)	15%
Phosphorus (min)	10%
Salt (min)	10%
Salt (max)	12%
Selenium (min)	10 ppm
Vitamin A (min)	112,000 IU/lb
Vitamin D ₃ (min)	50,000 IU/lb
Vitamin E (min)	1,500 IU/lb
Lactic Acid Bacteria (min)	750 Million CFU/lb
Bacillus Bacteria (min)	150 Million CFU/lb



Poultry Booster Pack

Poultry Booster Pack is a blend of vitamins and direct-fed microbials specifically designed to refresh aged or held-over Poultry Nutri-Balancer (PNB). Fertrell guarantees its vitamins for six months of normal storage (out of sunlight and dry). Vitamin potency will naturally decrease by 25% after six months of normal storage.

Please note: Poultry Booster Pack does not replace the much needed calcium, phosphorus, kelp meal, salt and other essential micro nutrient that Poultry Nutri-Balancer contains. It is only to be used to refresh expired PNB.

- Paper Bag (3.5 lb)

Fertrell Poultry Breeder Supplement

Poultry Show and Breeder is a supplement high in vitamins and essential amino acids for fertility, egg quality, hatchability, and feather quality. This is intended for breeder flocks and show poultry. Breeder flocks have higher amino acids and vitamin requirements. Show poultry have higher amino acid requirements to improve feathering and plumage.

Available exclusively direct from Fertrell — see online store

- Paper Bag (10 lb, 40 lb)

Fertrell Turkey Booster

Fertrell is proud to introduce our newest product to assist you in your turkey operation: Turkey Booster! This product is meant to supplement the Poultry Nutri-Balancer for a more personalized ration for your turkeys. It has a higher vitamin and mineral content to meet the needs of your turkeys for optimum growth and development.

- Paper Bag (25 lb)

Fertrell Fish Meal

Our fish meal meets organic standards and is approved by AWA* for their farmers. This meal is a custom blended product made from wild-caught fish containing 60% protein and essential amino acids. Fertrell Fish Meal has the most antioxidants available, is low-ash, and has been proven essential for poultry diet formulations.

- Foil Bag (10 lb)
- Paper Bag (50 lb)

Alfalfa Meal

Fertrell's Alfalfa Meal is certified organic. It provides 17% or more natural protein and offers many benefits to your livestock. Alfalfa is full of minerals, trace minerals, beneficial dense fiber and carotenoids. Carotenoids are part of the vitamin A family of vitamins and support egg yolk and skin color in meat birds.

- Paper Bag (50 lb)

Dry Aragonite

Dry Aragonite is a superior form of calcium that will benefit both livestock and poultry. Aragonite promotes strong bones, enhances milk and egg production, with the added benefit of efficient weight gain, feed utilization and muscle tone.

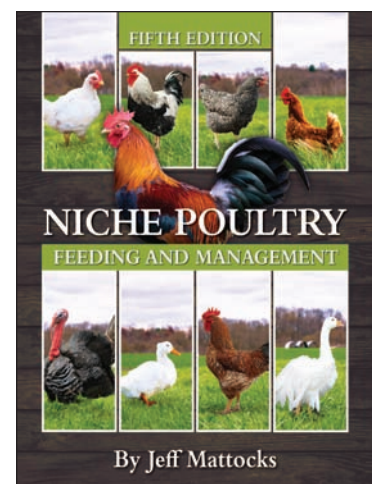
- White Paper Bag (50 lb)

Crab Meal

Crab meal is a good source of protein and calcium for poultry. Containing about 30% protein, we can use crab meal as a part of a no-soy ration. Crab meal is high in salt and should be fed only under the direction of a qualified nutritionist.

Call for availability. Currently not available.

- Bag (44 lb)
- Totes (2,200 lb)



For poultry rations, see page 22.

** Currently meets AWA standards. Please check with certifier before use.*

Grit

All poultry have a gizzard that needs to be filled with grit in order to properly break down fiber and pasture. Our granite grit is broken into various sizes depending on the age of your birds. You can mix grit into a feed ration at 25 lb/ton, top dress it, or make it available free choice.

- Plastic Bag (5 lb, 50 lb)



Beef Supplements

Beef Supplement

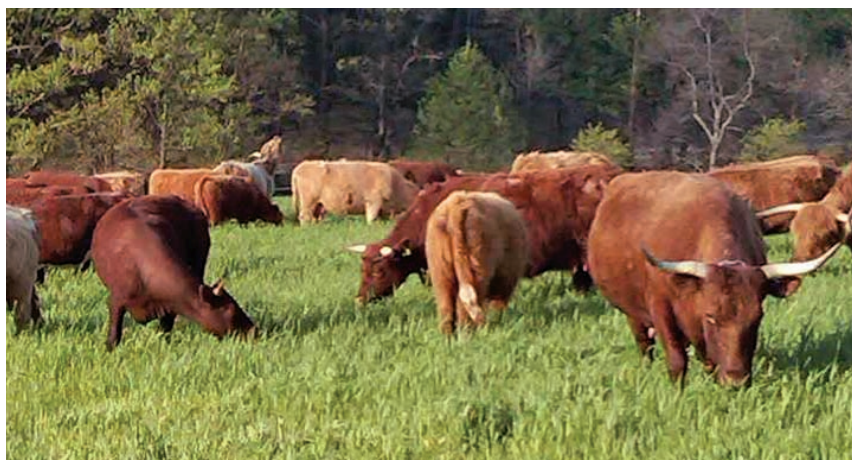
Beef Nutri-Balancer

Fortified heavily for the beef growers and finishers to provide nutritional support during times of stress. Specifically formulated to meet the nutritional requirements of a brood cow.

- Paper Bag (50 lb)

GUARANTEED ANALYSIS

Calcium (min)	16%
Calcium (max)	18%
Phosphorus (min)	6%
Salt (min)	11.5%
Salt (max)	12.5%
Magnesium (min)	5.5%
Potassium (min)	1.5%
Selenium (min)	30 ppm
Copper (min)	180 ppm
Zinc (min)	960 ppm
Vitamin A (min)	208,000 IU/lb
Vitamin D ₃ (min)	85,000 IU/lb
Vitamin E (min)	2,600 IU/lb
Total Live Yeast (min)	18 Billion CFU/lb
Total Lactic Acid Bacteria (min)	40 Million CFU/lb



Pit N' Pen

Are you tired of all the back breaking work of cleaning out box stalls? Pit N' Pen will help to ease that work by dissolving the solids and gistering the fibers in manure. Do neighbors around you complain about how your liquid manure smells when you are spreading it on the fields? Pit N'Pen can help with this. By using Pit N' Pen you will be helping to break down the manure into more soil friendly and neighbor friendly

asset from your farm. One 25 lb box treats up to 500,000 gallons of liquid manure or up to 35,000 cubic feet of dry bedding making pack manure.

APPLICATION RATES

Dry Manure Packs	1/2 lb per 100 sq ft
Non-Fibrous	Apply every 3 inches of depth
Fibrous	Apply every 6-8 inches of depth

Liquid Manure Packs

Initial treatment	2 lb per 10,000 gallons
Subsequent treatments	1/2 lb per 10,000 gallons

For beef rations, see page 21.

Dairy, Beef, Goat, Sheep & Horse Rations

DAIRY RATIIONS

Spring Grass Ration — 13%

INGREDIENTS	LBS
Shelled Corn	1,104
Roasted Soybeans	350
Oats	350
Molasses	100
Dairy Nutri-Balancer #3	75
RC Gold 4X	6
Salt, TM	15
TOTAL:	2000

Stored Feed Ration — 16%

INGREDIENTS	LBS
Shelled Corn	1,004
Roasted Soybeans	550
Oats	250
Molasses	100
Dairy Nutri-Balancer #3	75
RC Gold 4X	6
Salt, TM	15
TOTAL:	2000

CALF RATIIONS

Calf Starter — 18%

INGREDIENTS	LBS
Shelled Corn	733
Roasted Soybeans	400
Soybean Meal	250
Crimped Oats	350
Dairy Nutri-Balancer #2	100
Kelp Meal	50
Molasses	100
RC Gold 4X	12
Salt, TM	5
TOTAL:	2000

Calf Grower — 16%

INGREDIENTS	LBS
Cracked Corn	783
Roasted Soybeans	400
Soybean Meal	150
Crimped Oats	400
Dairy Nutri-Balancer #2	100
Kelp Meal	50
Molasses	100
Salt, TM	5
RC Gold 4X	12
TOTAL:	2000

BEEF RATIIONS

Beef Grower — 15% Protein

INGREDIENTS	LBS
Shelled Corn	1,079
Roasted Soybeans	450
Oats	400
Beef Nutri-Balancer	50
RC Gold 4X	6
Kelp Meal	15
TOTAL:	2000

Beef Finisher — 12% Protein

INGREDIENTS	LBS
Shelled Corn	1,179
Roasted Soybeans	300
Oats	450
Beef Nutri-Balancer	50
RC Gold 4X	6
Kelp Meal	15
TOTAL:	2000

SHEEP RATIIONS

General Maintenance /Grower — 16%

INGREDIENTS	LBS
Shelled Corn	1,135
Oats	250
Roasted Soybeans	550
Sheep Nutri-Balancer	50
Salt, TM	15
TOTAL:	2000

HORSE RATIIONS

Horse Ration — 12%

INGREDIENTS	LBS
Whole Shelled Corn	369
Cracked Corn	400
Crimped Oats	800
Soybean Meal	200
Linseed Meal	50
Horse Power	50
Molasses	125
RC Gold 4X	6
TOTAL:	2000

GOAT RATIIONS

Lactating / Starter — 16%

INGREDIENTS	LBS
Cracked Corn	685
Crimped Oats	550
Roasted Soybeans	550
Molasses	100
Goat Nutri-Balancer	100
Salt, TM	15
TOTAL:	2000

Grower / Developer — 14%

INGREDIENTS	LBS
Cracked Corn	735
Crimped Oats	650
Roasted Soybeans	400
Molasses	100
Goat Nutri-Balancer	100
Salt, TM	15
TOTAL:	2000

Maintenance / Finisher — 12%

INGREDIENTS	LBS
Cracked Corn	785
Crimped Oats	750
Roasted Soybeans	250
Molasses	100
Goat Nutri-Balancer	100
Salt, TM	15
TOTAL:	2000



Poultry & Swine Rations

POULTRY RATIONS

Broiler Grower — 19%

INGREDIENTS	LBS
Shelled Corn	1,040
Roasted Soybeans	600
Oats	100
Alfalfa Meal	100
Fertrell Fish Meal, 60%	75
Aragonite (calcium)	25
Poultry Nutri-Balancer	60
TOTAL:	2000

Pullet Grower — 16%

INGREDIENTS	LBS
Shelled Corn	1,215
Roasted Soybeans	450
Oats	100
Alfalfa Meal	100
Fertrell Fish Meal, 60%	50
Aragonite (calcium)	25
Poultry Nutri-Balancer	60
TOTAL:	2000

Layer Ration — 17%

INGREDIENTS	LBS
Shelled Corn	935
Roasted Soybeans	630
Oats	100
Alfalfa Meal	100
Aragonite (calcium)	175
Poultry Nutri-Balancer	60
TOTAL:	2000



TURKEY RATIONS

Turkey Starter — 26%

INGREDIENTS	LBS
Roasted Soybeans	463
Shelled Corn	162
Oats	100
Wheat	100
Fertrell Fish Meal, 60%	75
Alfalfa Meal	50
Poultry Nutri-Balancer	30
Aragonite (calcium)	7.5
Turkey Booster	12.5
TOTAL:	1000

Turkey Grower #1 — 23%

INGREDIENTS	LBS
Roasted Soybeans	900
Shelled Corn	627.5
Wheat	200
Alfalfa Meal	100
Fertrell Fish Meal, 60%	75
Poultry Nutri-Balancer	60
Aragonite (calcium)	25
Turkey Booster	12.5
TOTAL:	2000

Turkey Grower #2 — 20%

INGREDIENTS	LBS
Shelled Corn	740
Roasted Soybeans	725
Wheat	300
Alfalfa Meal	100
Fertrell Fish Meal, 60%	50
Aragonite (calcium)	25
Poultry Nutri-Balancer	60
TOTAL:	2000

Turkey Finisher — 17%

INGREDIENTS	LBS
Shelled Corn	790
Roasted Soybeans	625
Wheat	400
Alfalfa Meal	100
Aragonite (calcium)	25
Poultry Nutri-Balancer	60
TOTAL:	2000



SWINE RATIONS

Swine Nursery Feed — 22%

Age 4 to 10 weeks, 11 to 44 pounds

INGREDIENTS	LBS
Shelled Corn	834
Roasted Soybeans	500
Oats	200
Fertrell Fish Meal, 60%	200
Milk Pellets	200
RC Gold 4X	6
Swine Nutri-Balancer	60
TOTAL:	2000

Swine Grower — 16%

Age 10 to 22 weeks, 44 to 110 pounds

INGREDIENTS	LBS
Shelled Corn	1,034
Roasted Soybeans	450
Oats	400
Fertrell Fish Meal, 60%	50
RC Gold 4X	6
Swine Nutri-Balancer	60
TOTAL:	2000

Swine Finisher — 14%

Age 22 weeks to Market, 110 pounds to Market

INGREDIENTS	LBS
Shelled Corn	1,134
Roasted Soybeans	400
Oats	400
RC Gold 4X	6
Swine Nutri-Balancer	60
TOTAL:	2000

Use a 14% swine finisher ration if you plan to raise your pigs above 230 pounds live. A lower protein ration is more economical, but the pigs will put on more fat. Make sure your market can accommodate this.

SOW RATIONS

Sow Feed — 16%

Gestating 4 to 8 pounds depending on body condition

INGREDIENTS	LBS
Shelled Corn	994
Roasted Soybeans	450
Oats	400
Fertrell Fish Meal, 60%	50
RC Gold 4X	6
Sow Nutri-Balancer	100
TOTAL:	2000

Lactating: Feed according to body condition and the number of piglets nursing. Full feed may be appropriate if she's nursing more than 8 piglets.

Animal Health Products

Black Walnut Hull Powder

A dietary supplement used to correct digestive tract abnormalities caused by parasites, Coccidiosis, E-Coli form, and Salmonella type organisms. Typically given at the rate of 1/2 or 1 teaspoon per day depending on the size of animals and level of infections.

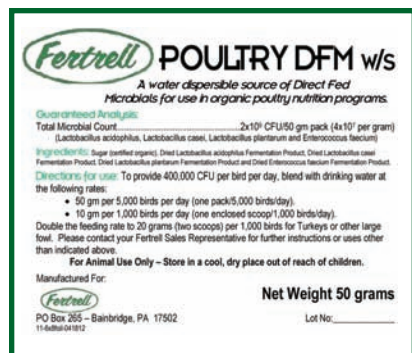
* This statement has not been evaluated by the FDA. This product is not intended to diagnose, treat, cure or prevent any disease.

- Foil Pack (1 lb)

Copper Sulfate

Can be used as a digestive aid for poultry with coccidiosis and other bacterial infections. Recommended use: 1 oz per 5 gallons of water for 3 days. Do not use for longer than 3 days in a row.

- Bag (5 lb)



Direct Fed Microbial, Dry

Concentrated package of beneficial bacteria. Promotes better digestion and overall health. For dry use only.

- Foil Pack (1 lb)

Direct Fed Microbial, Water Soluble

Provides all the benefits of the dry formula above in a through-water source.

- Foil Pack (50 gm)
- Tub (1 lb)

Molasses

We have both certified organic as well as non-GMO. Molasses will aid in overall digestion.

- Plastic Jug (2.5 gal)

Fly Aside Liquid

Fertrell Fly Aside is a high-sulfur and garlic granular mineral supplement for all grazing all livestock. Sulfur is an essential element that is key in forming the amino acids Methionine and Cystine. Sulfur also aids cattle in the utilization of non-protein nitrogen found in lush early growth grasses. Garlic has been shown to reduce external parasite pressure.

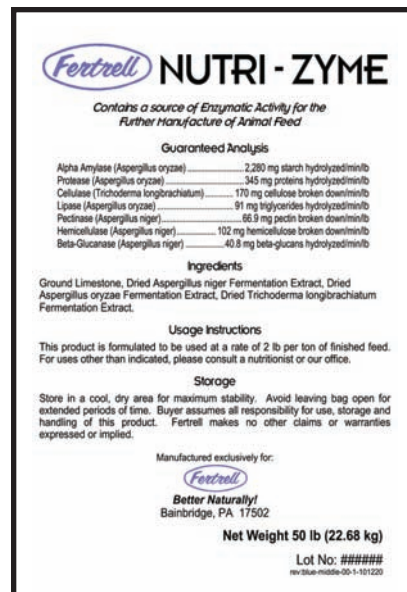
- Plastic bottle (1 qt, 1 gal)



Garlic Oil

Used to soothe the ear and as an antibiotic. The Fertrell Company has taken certified organic garlic and steeped it in certified organic olive oil and aged it to perfection. Garlic oil can be used on any species of farm animal. Bottom of Form Recommended Dosage: 1-2 ml a day; safe for external application. Shake well. Refrigerate after opening.

- Brown glass bottle (16 oz)



Nutri Zyme

Best used in any animal diet where alternative grains replace corn and soy. Formulated to be used at a rate of 2 pounds per ton of complete ration.

- Bag (2 lb)

Organic 60 Grain Apple Cider Vinegar

Use at a rate of 1 oz/gallon of water. Contains 6% acetic acid.

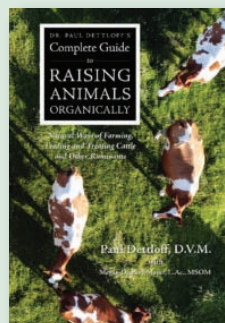
- Jug (1 gal, 2.5 gal, 55 gal)



Animal Health Products

Fertrell carries Dr. Paul's Lab and Dr. Sarah's Essentials. We offer a range of their products, including, but not limited to:

- Aloe Pellets
- Aloe C
- CEG
- OLS-M
- Dull It
- Calf Start
- Swinex
- Poultry X
- CGS Remedy
- Super Wound Spray
- Cocci-Blast
- Downer Bolus
- Fresh Cow Bolus
- Poke Oil



Dr. Paul's Lab and Dr. Sarah's Essentials have a line of natural health care products for livestock. *Dr. Dettloff's Complete Guide to Raising Animals Organically* is a great book for natural ways of farming, feeding, and treating livestock naturally. This book is available for purchase through the Fertrell Company.



Aloe Pellets
5 lb, 25 lb



Aloe C
1 gal



CEG
8 oz, 32 oz



OLS-M
8 oz, 32 oz



Dull It
8 oz, 32 oz



Calf Start
32 oz, 64 oz, 1 gal



Swinex
60 oz, 5 qt, 3 gal



Poultry X
5 qt, 3 gal



CGS Remedy
60 oz, 5 qt, 15 lb



Super Wound Spray
22 oz, 64 oz



Cocci-Blast
60 ct



Downer Bolus
25 ct, 80 ct



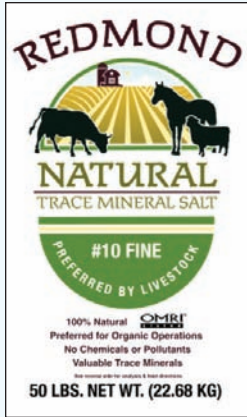
Fresh Cow Bolus
20 ct, 80 ct



Poke Oil
8 oz, 32 oz

Redmond Products

Products for Animal Health



Redmond Trace Mineral Salt

While natural trace mineral salt (NTM) is mostly pure salt, (95% pure sodium chloride) it also contains many valuable trace minerals. These valuable minerals are all essential to the proper growth and development of your livestock.

- Block (44 lb)
- Plastic Bag (50 lb)



Redmond Conditioner

Redmond Conditioner is an ideal supplement for all classes of livestock. This colloidal Silicate contains over 50 mineral compounds ready for immediate utilization by the animal. It can be fed free choice, used as a top dress, or mixed in a TMR. It can improve the nutrition, health, and profitability of your animals. It is listed by OMRI for use in organic production.

- Plastic Bag (50 lb)
- Tote (2,000 lb)



Redmond Salt with Garlic

Redmond 10 Fine with Garlic is formulated to help control pest such as flies, lice, and ticks.

- Plastic Bag (50 lb)

Redmond RealSalt

Redmond RealSalt is a natural mineral sea salt from an ancient unpolluted ocean. It has a naturally 'sweet' flavor which brings out flavors in foods that other salts just mask over. Although it is not sold with any medical claims, users report it lowers blood pressure and eliminates water retention. It is available as the original sea salt.

- Pouch (26 oz)
- Plastic Bag (25 lb)



Redmond Bentonite Clay

Redmond Bentonite Clay is a volcanic ash which fell in sea water, so it contains all the minerals from the volcanic ash, plus all the minerals from the sea. They use it externally for boils, bruises, bee stings, cuts, infections, and burns. 1 part of Redmond bentonite clay to 2 parts of water.

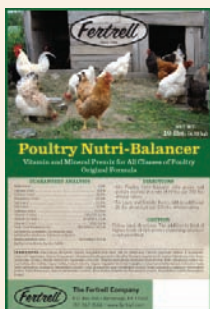
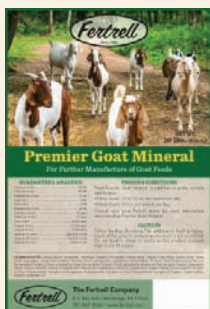
- Jar (10 oz)
- Pail (6 lb)



Products for Small-Scale Livestock

About Fertrell Nutri-Balancers

Fertrell's Nutri-Balancers are special blends of minerals, vitamins and direct-fed microbials (selected bacteria) to balance your feed programs and insure proper nutrition. Nutri-Balancer feed supplements contain the highest quality ingredients. A well-bred animal should be a well-fed animal. Breeding determines what an animal can do — **feeding and management determine what an animal will do.** We also custom blend minerals for specific animal nutritional needs.



Directions and nutritional information are provided on the Nutri-Balancer label.



Nutri-Balancers

Dairy Nutri-Balancers

Fertrell's line of Dairy Nutri-Balancers includes three dairy premixes. Each is blended with precise ratios of calcium and phosphorous to balance rations with all types of forages. See brochures for more information.

Dairy Nutri-Balancer #1 — For diets containing mostly legumes.

Dairy Nutri-Balancer #2 — For diets of mostly legumes with some corn silage.

Dairy Nutri-Balancer #3 — For diets of mostly corn silage with some legumes.

- Paper Bag (50 lb)

Goat Nutri-Balancer

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

- Foil Bag (10 lb)
- Paper Bag (50 lb)

Horse Nutri-Balancer

Feed at the rate of two ounces per head per day to all horses over 400 pounds; under 400 pounds, one ounce. Do not exceed 4 ounces per head per day so as not to exceed the maximum permitted intake of Selenium per head per day. Each measure holds one ounce

- Foil Bag (10 lb)

Poultry Nutri-Balancer

Poultry Nutri-Balancer is made with **specialty products created exclusively for Fertrell.** That is why we confidently stand behind the quality of our premier poultry vitamin-mineral supplement. While there are many look-alike products, none can meas-

ure up to the original Fertrell Poultry Nutri-Balancer.

- Foil Bag (10 lb)
- Paper Bag (60 lb)

Sheep Nutri-Balancer

Sheep NB may be offered free choice during the grazing season or winter season. Sheep NB may also be mixed with grains for flushing ewes during breeding season and feeding lambs. Feed Sheep NB in addition to grain, protein and forages. Average daily consumption expected is $\frac{3}{4}$ oz per animal per day.

- Foil Bag (10 lb)
- Paper Bag (50 lb)

Swine Nutri-Balancer

A vitamin/mineral premix to promote maximum performance and ensure optimum health.

- Foil Bag (10 lb)
- Paper Bag (60 lb)

Home Garden Fertilizer Recommendations

Product	Plant	Application Rate	Frequency
Blue N 5-1-1	Vegetables	18 lbs per 1,000 sq. feet or 10 lbs per 100 row ft if no manure/compost added	Spring and/or Fall
Super N 4-2-4	Lawns	15 lbs per 1,000 sq. feet	Spring/Fall
	Vegetables	18 lbs per 1,000 sq. feet or 10 lbs per 100 row ft if no manure/compost added	Planting
	Sidedress	5 lbs per 100-ft row	Spring and/or Fall
	House Plants	1 Tbsp per 3-inch pot 1 tsp per additional 1 inch	Spring and/or Fall
	Potting Soil	4 oz per 4 quarts Soil Mix	Spring and/or Fall
	Flowers	2 lbs per 100 sq. feet	Spring and/or Fall
	Roses	½ lb per small bush ¼ lb per small bush	Spring After bloom
	Azaleas & Evergreens	½ lb small bush	Spring
	Bulbs	½ cup/hole mixed into soil	Planting
Holly Care 4-6-4	Hollies, Dogwoods, Azaleas, Gardenias, Marigolds, Ferns, Hydrangeas, Rhododendrons, Pachysandras	1 lb per small tree or shrub 4-6 oz per flowering plant	Spring and Fall Spring
Fertrell #3 Foliar Feed 2-3-1	Vegetable & Flowers	1 oz per 1 gallon of water	Apply evenings when budding, pod forming & fruiting
	Lawns	1 quart per 1,000 sq. feet	3 times per season
Berry Mix 4-2-4	Strawberries, Brambles, Blackberries, Grapes, Blueberries, Gooseberries, Currants, Elderberries	20 lbs per 1,000 sq. feet	Spring or Fall
Rose Food 4-2-4	Roses	½ lb per plant ¼ lb per plant	Spring After each bloom cycle
Super K	General	15-20 lbs per 1000 sq. feet	Planting
	Side dressing vegetables	5 lbs per 100-ft row	During growing season
	Fertilizing potted vegetables	1 Tbsp per 4 inches of pot, for every additional one inch in diameter of pot add one 1 tsp	Planting
Earth Friendly All Purpose 5-5-3	Lawns	15 lbs per 1,000 sq. feet	Spring or Fall
	Vegetables	18 lbs per 1,000 sq. feet	Planting
	Sidedress	5 lbs per 100-ft row	2 inch high
	House Plants	1 Tbsp per 3" pot 1 tsp per additional 1 inch	Every 3 months Every 3 months
	Potting Soil	4 oz per 4 quarts Soil Mix	2 inch high
	Flowers	2 lbs per 100 sq. feet	Spring or Fall
	Roses	½ lb per small bush	Spring
	Azaleas & Evergreens	½ lb per small bush	Spring
	Bulbs	½ cup per hole mixed in soil	Planting

See pages 3-4 for product descriptions.

Fertrell Lawn Care Program

Lawn Care

Turf Pro 5-0-5

Turf Pro is a balanced fertilizer blended to be available throughout the season. Can be applied anytime from April through October and is designed to thicken the turf and build the root system. General application: 6-10 lbs/1000 sq ft.

- Bag (50 lb)



WeedBan

WeedBan is the first natural weed control on the market; made from a byproduct of corn syrup production, it works by stopping the development of the secondary feeder roots causing the seedling to die. This is a preemergent product, effective against dandelions, crabgrass, creeping bent grass, foxtail, lamb-squarier, purslane, redroot pigweed, smart weed, barnyard grass and bermuda grass. WeedBan converts to approximately 10% Nitrogen. It is a weed and feed product, not just an herbicide. Available through your local distributor only.

- Bag (50 lb)



Mid August–September

Turf Pro 5-0-5, the most balanced of our lawn care products, is designed to thicken the turf and build the root system. Applied in late summer to early fall (Sept–Nov), at a rate of 6–10 lbs per 1000 square feet, Turf-Pro 5-0-5 will help your lawn recover from summer time damage and prepare for the winter dormant season.

Fall

The basis 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 10 lbs per 1000 square feet provides available calcium to allow the 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 to March is the time to apply **Aragonite** at a rate of 10 lbs 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 July and August to prevent fall weeds.

End of May–June

Turf Pro 5-0-5 may be applied in late spring to early summer (May–June), at a rate of 5 lbs per 1000 square feet, when you want to green up the lawn and promote summertime growth. Turf Pro 5-0-5 is formulated specifically to promote turf growth and bring out a deep green to your lawn.

	Turf Pro 5-0-5	Soil Mineralizer	Aragonite	Weed Ban
January				
February			10 lbs per 1000 sq. ft.	20 lbs per 1000 sq. ft.
March				
April				
May	5 lbs per 1000 sq. ft.			
June				
July				20 lbs per 1000 sq. ft.
August				
September	6-10 lbs per 1000 sq. ft.			
October		10 lbs per 1000 sq. ft.		
November				
December				

See pages 5, 6, and 28 for product descriptions.

Fertrell Tree and Shrub Program

	Holly Care 4-6-4	Weed Ban	Fertrell Liquid #3 2-3-1	Soil Mineralizer
Early Spring	1 lb per inch diameter of trunk	20 lbs per 1000 sq ft (if required)	1-2 oz per gallon	
Early Fall	1 lb per inch diameter of trunk	20 lbs per 1000 sq ft (if required)	1-2 oz per gallon	
Late Fall				10 lbs per 1000 sq ft

Established Trees and Shrubs

Early Spring

- Rake back mulch, spread **Fertrell Holly Care 4-6-4**: 1 lb per inch diameter of trunk at drip line.
- To avoid weeds in bed, add **Fertrell Weed Ban**: 20 lbs per 1000 sq. ft.
- Replace old mulch, water in with **Fertrell Liquid #3 2-3-1**: 1-2 oz per gal. Add a layer of new bark mulch for a total of about 3 inches (keep back from stem/trunk).

Early Fall

- Same as early spring (no Weed Ban).

Late Fall

- Apply **Fertrell Soil Mineralizer**: 10 lbs per 1000 sq. ft.



New Plantings

- Prepare planting hole, add $\frac{1}{3}$ high-quality compost to the original soil, mix well, plant the shrub/tree at the proper depth, allowing for the mulch layer. After back filling, water in with **Fertrell Liquid #3 2-3-1**: 1-2 oz per gallon. After planting, top dress soil with **Fertrell Holly Care 4-6-4**: 1 lb per inch diameter of stem. Add bark mulch for a total of about 3 inches (keep back from stem/trunk).
- A soil test is recommended if soils are of unknown quality or have not been tested recently. A soil test is *highly* recommended for a large planting. Contact your Fertrell representative or the main office for a soil test kit.

	Fertrell Liquid #3 2-3-1	Holly Care 4-6-4
Planting	1-2 oz per gallon	
After Planting		1 lb per inch diameter of stem

See pages 4, 6, and 28 for product descriptions.

Products for the Small-Space Gardener

Biological Fertility for Every Crop

Our fertilizers blend organic and natural products along with mineral ingredients to address the needs of specific crops. As with all Fertrell products, these

fertilizers encourage soil life, improve the health of plants and increase yields, while benefiting the environment.



Alfalfa Meal 3-1-2

A reasonable alternative to blood meal as a source of nitrogen and is nicely balanced with phosphorous and potassium. Its carbohydrates and protein make it an excellent soil conditioner by encouraging microbial activity in the soil. Micronutrients are plentiful because its extensive root system provides them to the plant from deep below the earth's surface.

Typical Analysis: 2.5-3.0% N based on protein.

- Foil Bag (5 lb)



Earth Friendly All Purpose 5-5-3

An organic blend that provides balanced, slow-release nutrients without the risk of burning. Improves water penetration and conditions the soil for vigorous root growth.

- Foil Bag (5 lb)
- Paper Bag (25 lb)



Aragonite

A sea calcium that is exceptionally high in calcium and low in magnesium. Many soils have a high magnesium content and the magnesium can tie up other nutrients in the soil. Use Aragonite to offset a high mag content soil or low calcium. Typical Analysis: 0-0-0-39 Ca.

- Foil Bag (5 lb)



Flower Care 3-4-3

A blended plant food designed to increase the health of your plants and produce more blooms. Readily available phosphorus speeds germination and promotes rapid and vigorous growth.

- Foil Bag (5 lb)



Berry Mix 4-2-4

A blended plant food specially aimed at more, bigger and tastier berries. Safe and easy to use. Works in most soil types. Best time to apply is at the end of the season.

- Foil Bag (5 lb)



Fertrell North Atlantic Kelp Meal

A 100% natural feed supplement that contains a broad range of minerals and other essential nutrients necessary for optimal animal nutrition. The term "essential" mineral nutrient refers to a mineral element.

- Foil Bag (10 lb)

Products for the Small-Space Gardener



Holly Care 4-6-4

An organic-based plant food formulated to provide the high level of available phosphoric acid required by acid-loving plants. Use it on hollies, dogwoods, gardenias, marigolds, hydrangeas, rhododendrons, azaleas, ferns, and all other acid-loving plants.

- Foil Bag (10 lb)
- Paper Bag (25 lb)



Tomato Grower 3-4-7

Tomatoes are heavy feeders. Tomato Grower contains everything they need to thrive. Apply this blend once in the spring and once during the middle of the growing season. The resulting tomato fruit will be large, flavorful and nutritious all season long!

- Foil Bag (5 lb)



Rose Food 4-2-4

Formulated as a multi-purpose plant food. It contains readily available nutrients to get the plant off to a fast and vigorous start while time released nutrients feed the plant throughout the growing period. This formula is a favorite for rose growers throughout the USA.

- Foil Bag (10 lb)
- Paper Bag (25 lb)



Vegetable Blend 5-3-4

This organic blend will supply you with large, delicious, nutritious produce all season long! The key ingredients in our Vegetable Blend include aragonite and kelp meal which promotes healthy soil and stimulates plant root development. Apply in the spring and once during the growing season.

- Foil Bag (5 lb)



Super Plant Food 3-2-3

Suited for most plant food applications. It is particularly well formulated for gardens and is very effective for spring plantings. Super 3-2-3 will be available throughout the growing season; it will not leach away. Use on lawns as a general purpose fertilizer. Super 3-2-3 activates the microbial life in the soil which aids in thatch reduction.

- Foil Bag (10 lb)
- Paper Bag (25 lb)



Zeolite

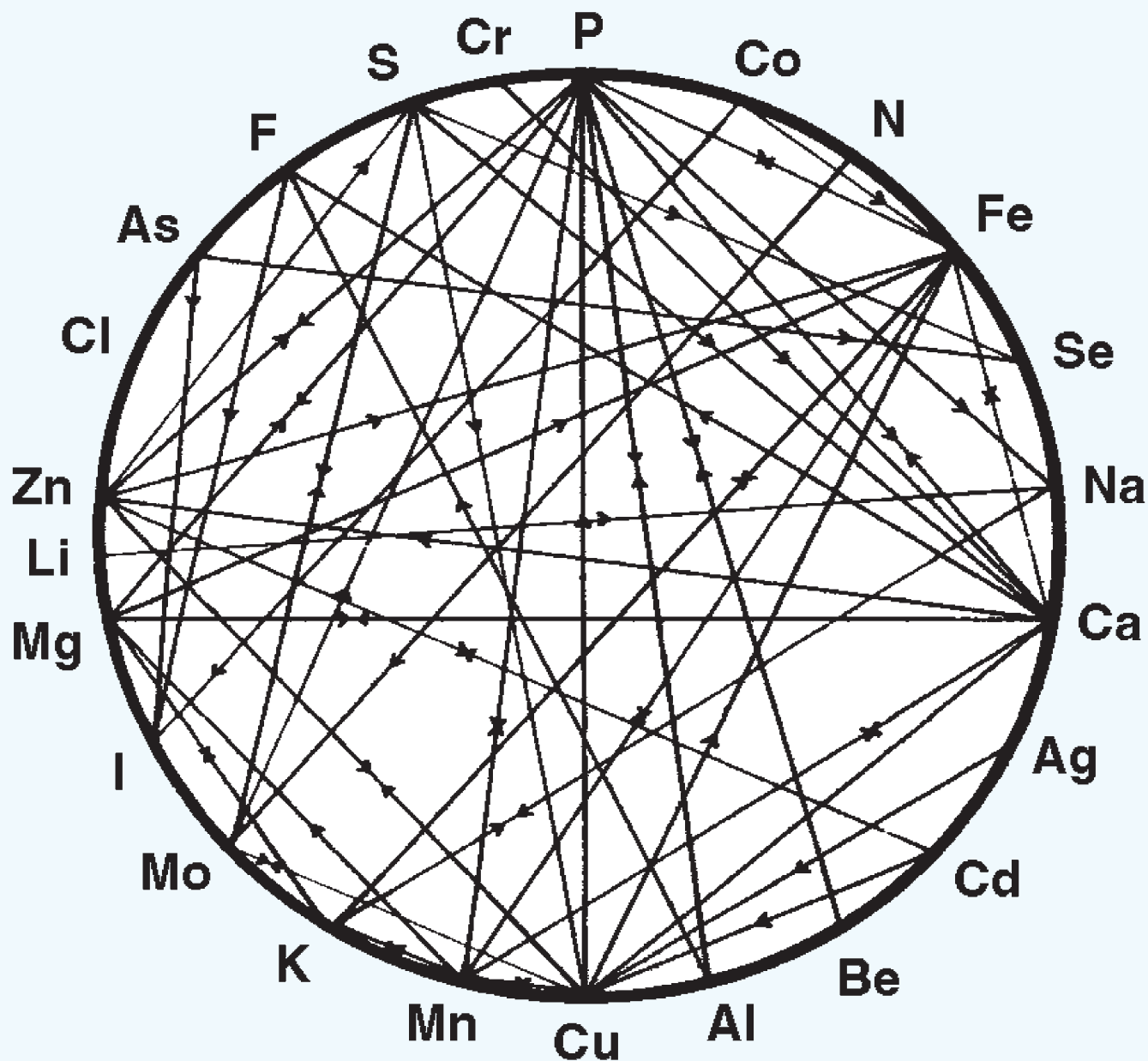
Zeolite's holds many minerals in plant-available form which helps increase their absorption. Typically, where zeolite has been applied, crops will require up to 35% less water. Zeolite has the ability to loosen heavy clay soils and retain nutrients and moisture in light sandy soils. Zeolite helps prevent compaction, increases water/nutrient infiltration and increases aeration.

- Bag (10 lb, 50 lb)

Mineral Wheel

The Mineral Wheel otherwise known as Mulder's Chart is a representation of the interactions between plant nutrients. This is a way of helping us understand what nutrients work well together and also what nutrients can interfere with the uptake or utilization of other nutrients. This is Antagonistic

and Synergistic relationships that you see connecting various nutrients. This does not show every relationship as the soil food web is incredibly complex and can be impacted by other factors such as Soil Texture, Temperature, and Microbial populations to just name a few of the factors!



The Fertrell Company History

1946–Present

The Organic Development Company came into existence in 1946. The company was formed to provide an alternative to commercial blends of salt and acid based fertilizers. Mr. John Johnson had determined that his roses were not meeting his expectations: their endurance and fragrance were falling short of his standards. As a result, The Organic Development Company was formed in Fullerton, Maryland, in Mr. Johnson's garage. He determined that by mixing plant, animal, and mineral compounds that his roses attained maximum performance.



The Fertrell Company is the second-oldest producer of organic fertilizers in the United States. Their reputation for quality and service is second to none. The growth in organic production over the past 70 years have helped the company continue to grow.

The Organic Development Company relocated to the present site at Bainbridge, PA in 1961. Liquid fertilizers were added to the company's offerings in that year.

Rufus Miller became sales manager for Mr. Johnson and began developing sales in the farming community, particularly among Amish and Mennonite farmers who have long appreciated the value of organic fertilizers. Much of our growth can be attributed to word-of-mouth advertising within the farming and gardening communities.

In 1973, following the death of Mr. Johnson, the company name became The Natural Development Company. The name changed again in 1975 to The Fertrell Compa-

ny. The name Fertrell is derived from parts of the words: Fertilizer — **FER**; Trace Minerals — **TR**; and Elements — **EL**.

The Nutri-Balancer feed line came into existence in 1974, when soil tests revealed shortages of nutrients in local farm land.

Late in 1990, Mr. Miller decided to offer the company for sale. Three of Fertrell's employees, Dennis Nygaard, Reuben Gantz and David Mattocks, came together and purchased Mr. Miller's stock and the ownership of The Fertrell Company.

In 1996, under the direction of Mr. Jack Robinette, the Fertrell Co. introduced Poultry Nutri-Balancer. Jeff Mattocks, then-Company Vice President and nutritionist, has successfully promoted this product across the United States.

Dennis Nygaard retired in 1996, and Reuben Gantz retired in 2000. David Mattocks continues as the chair-

The Fertrell Story

man of board of Fertrell.

David Mattocks retired in 2013. However, he remained active with the company in training new staff members to our philosophies and traditions.

In 2003, Fertrell adopted an Employee Stock Owned Plan (ESOP). This was an ideal that would continue Fertrell for future generations of farmers and employees without needing to be sold to an outside entity. Fertrell continues to be employee-owned today.

In 2017, construction began on a new warehouse and office building at the Bainbridge location. The project was completed in 2018 and has allowed Fertrell to expand both production and employment.



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Hickory Hill Land & Farms LLC

David Peters
5959 Allentown Road
Elida, OH 45807
419-905-8887
dpeters09@hotmail.com

COLUMBIA

Dan Reynolds

5648 Woodville Road
Leetonia, OH 44431
330-714-7935

COLUMBIANA

Van Pelts Fresh Produce

4069 Unity Line Road
New Waterford, OH 44445
330-457-2651

DARKE

Kraut Creek Regenerative Ag Supply

1468 Sater Street
Greenville, OH 45331
937-459-0618
info@krautcreek.com

GEAUGA

Meadow-Shene Feed

5501 Clark Road
Middlefield, OH 44062
440-693-4416

Pleasant Valley Greenhouse

13310 Clay Street
Middlefield, OH 44062
440-636-5558 voice mail
Fertrell liquid fertilizers only

HOLMES

Holmes Ag Service

301 S Market Street
Holmesville, OH 44633
330-279-2501
Feed Supplements, Fertilizers

LOGAN

Kevin Bell

5643 Township Road 206
Bellefontaine, OH 43311
937-210-6283
Kbandc84@yahoo.com
Serving Logan County and surrounding areas

New Bedford Feed and Supply

33906 Ohio 643
Baltic, Ohio 43804
330-897-6492
david.nbf@plainemails.com

WAYNE

Alan Imhoff

8391 Lattasburg Road
West Salem, OH 44287
800-215-9825

Mt Eaton Elevator

15911 Berry Street
Mt Eaton, OH 44659
330-359-5028
Feed Supplements, Fertilizers

• *Served by*

Bee Rite Sales

shipped from
5505 SE International Way
Milwaukie, OR 97222
Cell: 503-209-1555
Beerite@MSN.com
Feed Supplements, Fertilizers, drop ship
States covered: Alaska, California, Hawaii, Idaho, Montana, North Dakota, Oregon, Utah, Wyoming

OKLAHOMA

New dealerships available

CREEK

Fisher Farms

29323 South 257th West Avenue
Bristow, OK 74010
918-367-3931
fisherfarms.feedstore@gmail.com

OREGON

BENTON

Quilted Barn Feed Co

PO Box 563
Philomath, OR 97370
503-347-6538
QuiltedBarnFeedCo@gmail.com
www.QuiltedBarnFeed.com

CLACKAMAS

Concentrates Inc.

5505 SE International Way
Milwaukie, OR 97222
800-388-4870/503-234-7501
Kayla@concentratesnw.com
Feed Supplements, Fertilizers, Drop ship

JACKSON

Bee Rite Sales

shipped from
5505 SE International Way
Milwaukie, OR 97222
Cell: 503-209-1555
Beerite@MSN.com
Feed Supplements, Fertilizers, drop ship
States covered: Alaska, California, Hawaii, Idaho, Montana, North Dakota, Oregon, Utah, Wyoming

LINN

Northern Farm & Feed

39624 Highway 228
Sweet Home, OR 97386
541-401-9924
Northernfarmsandfeed@gmail.com

PENNSYLVANIA

ADAMS

Edwin S. Witter

2260 Upper Bermudian Road
Gardeners, PA 17324
717-515-0696
Servicing counties: Adams, Cumberland, Franklin, Perry, York

BEDFORD

Don Leap

P O Box 703
Hyndman, PA 15545
814-842-3370

Limebank Hollow Farms

2525 Madley Hollow Road
Buffalo Mills, PA 15534
814-842-3200

BERKS

Harlan S Burkholder

35 Koffee Lane
Kutztown, PA 19530
610-683-1124

Cornerstone Organic Feed

509 Long Lane
Kutztown, PA 19530
610-894-5106
Fax: 610-894-5107
cornerstoneorganicfeeds@gmail.com
Fertilizer and Organic Feed

Panorama Natural Feeds

85 Mud Run Road
Oley, PA 19547
610-987-3898 FD
Fertilizers

BRADFORD

Judson's Mill

PO Box 67
6872 Austinville Road
Columbia Cross Roads, PA 16914
570-297-2153
Feed Supplements

BUTLER

Osterling's Feed & Grinding

3035 Old Route 422
Fenelon, PA 16034
724-283-1819

Osterling's Lawn & Garden

101 S. Monroe Street
Butler, PA 16001
724-287-3745
osterlings.lawn@yahoo.com

CENTRE

Martin's Feed & Fertilizer

534 Main Street
Coburn, PA 16832
814-649-8787
Fax: 814-649-8704
martinsfeed@gmail.com

Tait Farm Food

179 Tait Road
Centre Hall, PA 16828
800-787-2716
valerie.zoller@gmail.com
Seasonal

CHESTER

King's Herb Nook

1060 Compass Road
Honeybrook, PA 19344
610-273-4583

Organics Unlimited

120 Liberty Street
Atglen, PA 19310
610-593-2995
Feed Supplements

CLARION

County Line Feeds

1028 County Line Road
Venus, PA 16364

Hubert Derstine

86 Blairs Corner Road
Emlenton, PA 16373
814-358-2217
derstinefarm@gmail.com
Feed Supplements, Fertilizers

CLINTON

Nittany Feeds

1126 Beagle Road
Mill Hall, PA 17751
570-927-2720
Jonathan Fisher

CUMBERLAND

Fritz's Custom Feed

Jason and Heather Fritz
1815 McClures Gap Road
Carlisle, PA 17015
717-423-6623
jhfrizt@pa.net

ELK

Keller Greenhouse

779 Brandy Camp Road
Kersey, PA 15846
814-594-7486
tkellersgreenhouse@windstream.net

JUNIATA

Hickory Haven Farm

39 Cherry Hill Road
Richfield, PA 17086
717-504-2887/Fax: 717-593-0112

The Agronomy Center

12039 William Penn Hwy
Thompsontown, PA 17094
717-535-5151
theagronomycenter@gmail.com
painter@agronomycenter.com

LANCASTER

Brandt's Farm Supply

601 East High Street
Elizabethtown, PA 17022
www.brandtsfarmsupply.com
717-367-1221

Harvest Moon Organics

526 Quarry Road
New Holland, PA 17557
717-445-6215

Miller's Natural Food Store

2888 Miller Lane
Bird in Hand, PA 17505
717-768-7582
Fertilizers

Ross Feed and Grain

Butch Ross
27 North Church Street
Quarryville, PA 17566
717-786-7361

Stevens Feed Mill

28 Stevens Road
Stevens, PA 17578
717-336-2150
email: micah@stevensfeed.com
Feed Supplements Only

LEBANON

Jr's Crop Nutrition

128 Mastle Road
Newmanstown, PA 17073
717-629-4155 (Paul)
717-224-5065 (Kendrick)
Jrzlf@gmail.com

Triple M Farm

1525 King Street
Lebanon, PA 17042
717-272-3225
Jerry@triplemfarms.com

MERCER

Osterling's Feed & Farm Supply

410 Erie Street Ext
Grove City, PA 16127
724-458-6141

MIFFLIN

Peachey Harness and Farm Supply

644 Banker Hill Road
Belleville, PA 17004
717-483-6235
Fax: 717-483-9922
Peacheysupply@gmail.com

Yoder's Rugs

161 S. Kishacoquillas Street
Belleville, PA 17004

MONTGOMERY

Pottstown Roller Mills

625 Industrial Highway
Pottstown, PA 19464
610-323-8620
pottstownrollermills@gmail.com
Fertilizers, Drop ship

PERRY

Jeff Pennay Regional Rep

Liverpool, PA 17045
717-275-4496
jeffpennay@fertrell.com

Peaceful Acres Ag

650 Lyons Road
Millerstown, PA 17062
717-438-3121

SNYDER

Hickory Haven Farm

Wayne Charlton
39 Cherry Hill Road
Richfield, PA 17086
717-694-3555

SOMERSET

Country Seeds & Supplies

5940 Mt. Davis Road
Meyersdale, PA 15552
814-662-4033
Feed Supplements, Fertilizers

Productive Farm Products LLC

160 Farm View Road
Schuylkill Haven, PA 17972
717-222-4116
dale@productivefarmproducts.com

River Road Ag

Glenn Schrock
676 River Road
Salisbury, PA 15558
301-697-3442/301-697-3441

SUSQUEHANNA

Peter Kane

13928 Route 167
Montrose, PA 18801
570-278-4036
Seasonal

TOIOGA

Tice's Mobile Feed Service

19731 Route 6
Mainesburg, PA 16932
570-549-3567

UNION

Grove's Mill

2509 Hoffa Mill Road
Lewisburg, PA 17837
570-524-2436
Feed Supplements, Fertilizers

YORK

Hakes Farm & Seed

11744 Winterstown Road
Red Lion, PA 17356
717-244-2754
dvseedman@aol.com
Fertilizers

K. C. Schaefer Supply

2655 Springwood Road
York, PA 17402
717-741-5088
cha@kcschaefer.com
www.kcschaefer.com
Fertilizers, Drop ship

SOUTH DAKOTA

New dealerships currently available

- Additional areas served by

Prairie Oaks Farm

Randy Wattermann
2049 M Road
West Point, NE 68788
402-372-5005
wattermann@skyww.net
Feed Supplements, Fertilizers

TENNESSEE

HICKMAN

Bruce Magoon — MPS
215 Miller Road
Centerville, TN 37033
931-224-0878
bruce.magoon@yahoo.com

ROBERTSON

Windy Acres Farm

5552 Dixon Road
Orlinda, TN 37141
615-766-3676
windyacresfarm@bellsouth.net

SEQUATCHIE

Stephen Stoltzfus

195 Smile Drive
Dunlap, TN 37327
717-381-5257

VAN BUREN

Pine Dell Feeds

459 Bud Boyd Road
Spencer, TN 38585

TEXAS

BASTROP

Coyote Creek Organic Feed Mill

13817 Klaus Lane
Elgin, TX 78621
512-285-2556
info@coyotecreekfarm.org

COOKE

Tony's Seed and Feed

119 South Main Street
Muenster, TX 76252
940-759-2241
tonyssandf@ntin.net

KAUFFMAN

Shady Grove Bio Ag

18477 County Road 4057
Kemp, TX 75143
972-576-6365
david@sgbioag.com

LUBBOCK

New Country Organics

211 15th Street
Lubbock, TX 79401
888-699-7088

UTAH

New dealerships currently available

- Serviced by

Bee Rite Sales

shipped from
5505 SE International Way
Milwaukie, OR 97222
Cell: 503-209-1555
Beerite@MSN.com
Feed Supplements, Fertilizers, drop ship
States covered: Alaska, California, Hawaii, Idaho, Montana, North Dakota, Oregon, Utah, Wyoming

UINTAH

Bryan Bell

Boot Hill Farms
Vernal, UT 84078
435-790-7645
bbellpasture@gmail.com
Animal Feed and products
servicing Utah, SW Wyoming, NW Colorado

VERMONT

New dealerships currently available

CHITTENDEN

Maple Wind Farm

1149 East Main Street
Richmond, VT 55477
802-233-8781
info@maplewindfarm.com
www.maplewindfarm.com

VIRGINIA

FLOYD

Seven Springs Farm

Ron Juffes
426 Jerry Lane
Check, VA 24072
540-651-3228 or 800-540-9181
7springs@swva.net
www.7springsfarm.com
(20 miles SW of Roanoke, VA)
Feed Supplements, Fertilizers, Drop ship

LOUDOUN

Dawson Gap Naturals

14079 Mountain Road
Hillsboro, VA 20132
540-668-6611
info@dawsongap.com
http://dawsongap.com

ROCKINGHAM

Rodney Martin (Regional Rep)

Bridgewater, VA 22812
540-828-2616
Rodney@fertrell.com

TAZEWELL

Burkes Garden Ag Supply

John Lee Fisher
7458 Burkes Garden Road
Tazewell, VA 24651
276-472-2166

WAYNESBORO

New Country Organics

801 2nd Street
Waynesboro, VA 22980
540-469-0694
customer@newcountry-organics.com
www.countrysidenatural.com
Feed Supplements, Fertilizers, Drop ship

WASHINGTON

SPOKANE

Natural Farm Feed

Richard & Caitlin Fischer
*Washington and Idaho State
6229 N Rambo
Spokane, WA 99224
sales@nffmail.com
www.naturalfarmfeed.com
509-720-7064
Feed Supplements Drop ship

STEVENS

Red Bridge Milling

145 W 3rd Avenue
Kettle Falls, WA 99141
509-738-9004
brad@theredbridgefarm.com
www.theredbridgefarm.com
Non-GMO Expeller Pressed Canola Oil, Feeds, Custom Milling, Feed Supplements, Fertilizers
* Washington, Idaho, Oregon, Montana

- Additional areas served by

CLARK

Bee Rite Sales

shipped from 5505 SE International Way
Milwaukie, OR 97222
Cell: 503-209-1555
beerite@msn.com
Feed Supplements, Fertilizers, drop ship
States covered: Alaska, California, Hawaii, Idaho, Montana, North Dakota, Oregon, Utah, Wyoming

WEST VIRGINIA

New dealerships currently available.

- Additional areas served by

River Road Ag

676 River Road
Salisbury, PA 15558
814-662-2048

MONROE

Blue Ray Chapel of Hope Inc

5800 Willow Bend Road
Union, WV 24983
304-545-5810
info@bluerayofhope.com
www.bluerayofhope.com

WISCONSIN

LINCOLN

Silver Creek Enterprise and Orchards

3975 Julian Drive
Merrill, WI 54452
715-297-1426
silvercreekcenter@aol.com
silvercreekenterpriseandorchards.com
Andrew Lonsdorf
Certified organic feed rations

MARATHON

Pleasant Meadows

Steve Thorne
1502 West Union Avenue
Wausau, WI 54401
715-571-2970
pleasantmeadowsdairy@gmail.com

MONROE

Mt. Taber Feed Mill

S 0765 Cty V
Kendall, WI 54638
608-489-2241
mttabormill@outlook.com
Feed Supplements

TREMPEALEAU

Andersen Feeds

19775 E Mill Road
Galesville, WI 54630
608-582-2595
Fax: 608-582-4303

S&S Grain LLP

N 29483 River Valley Road
Arcadia WI 54612
608-683-1872
Feed Supplements

WYOMING

New dealerships currently available

- Additional areas served by

Prairie Oaks Farm

Randy Wattermann
2049 M Road
West Point, NE 68788
402-372-5005
wattermann@skyww.net
Feed Supplements, Fertilizers

- Serviced by

Bee Rite Sales

shipped from
5505 SE International Way
Milwaukie, OR 97222
Cell: 503-209-1555
Beerite@MSN.com
Feed Supplements, Fertilizers, drop ship
States covered: Alaska, California, Hawaii, Idaho, Montana, North Dakota, Oregon, Utah, Wyoming

INTERNATIONAL

CANADA

CALGARY

Trevor and Ingrid Benson

TIGA Acres
RR1 Site 3 Comp 3
Sundre AB
TOM 1X0
403-915-2102
tigaacres@outlook.com
www.tigaacres.com
facebook.com/FertrellCanada

Feed Manufacturers with Fertrell Products

FLORIDA

VOLUSIA

Luznar Feed Mills, Inc.
David Luznar
3645 Watermelon Lane
New Smyrna Beach, FL 32168
386-428-4155
luznarfeed@yahoo.com

GEORGIA

GORDON

Resaca Sun Feeds LLC
1022 Fite Bend Road
Resaca, GA 30735
706-629-7010
info@resacasun.com
www.resacasun.com

IDAHO

CANYON

LBE Feed
21731 Upper Pleasant Ridge Road
Caldwell, ID 83607
208-989-3626
brandonlambson@gmail.com
Non-GMO

Treasured Sunrise Acres LLC
31228 Hwy. 95
Parma, ID 83660
208-649-7602
treasuredsunrise@hotmail.com
www.treasuredsunriseacres.com

ILLINOIS

LIVINGSTON

Stutzman's Feed Mill
John
85E CR 250 N
Arthur, IL 61911
217-543-2195/Fax: 217-543-3677
stutzmansfeed@yahoo.com
Conventional, Non GMO

SALINE

Miller Custom Feed
Joe C Miller
2910 N America Road
Galatia, IL 62935

WHITESIDE

Yorktown Organic Feed
29990 IL Hwy 92
Tampico, IL 61283
815-438-2543
Fax: 815-438-2546

INDIANA

MONTGOMERY

Beiler Ag
4128 N 400 E
Rockville, IN 47872
765-597-2306

DAVIESS

Organic Acres
Joseph J Graber
10972 N 1150 E
Odon, IN 47562
812-636-9500

IOWA

ADAMS

Feeder's Grain and Supply
2052 Hunter Trail
Corning, IA 50841
641-322-4011

DECATUR

Saint Maurice Feed & Supply, LLC
1913N CR 850 E
Greensburg, IN 47240
812-663-4343
smfsgreensburg@icloud.com
Feed & Feed Supplements. Fertilizer by special order.

DUBUQUE

Skip Breitbach Feed
562 Balltown Road
Sherrill, IA 52073
563-552-2393

HAMILTON

BlueStem Organic Feed Mill
Cindy McCollough
1565 280th Street
Webster City, IA 50595
515-832-2992
Organic

JOHNSON

Solon Feed Mill
Greg
310 S Dubuque Street
Solon, IA 52333
319-624-2422

MITCHELL

Riverside Feeds LLC
300 Forest St
Riceville IA 50466
641-985-2494
Fax: 641-985-4009
Riversidefeeds@gmail.com
www.riversidefeeds.net

KANSAS

ALLEN

C3 Feeds LLC
14250 220th Road
Erie, KS 66733
620-473-0045 or
620-473-0023
ccubedfeeds@gmail.com
Organic & Non-GMO

KENTUCKY

JEFFERSON

Fresh Start Grower's Supply
Steve Paradis
1007 East Jefferson Street
Louisville, KY 40206
502-442-7883
Fax: 502-442-7881
steve@freshstartgrowers.com
Organic

LOGAN

Adairville Feed Mill
103 E Gallatin Street
Adairville, KY 42202
270-539-7171

MERCER

Sunny Pastures
560 Unity Road
Harrodsburg, KY 40330-9741
859-613-3939
Fax: 859-865-4423

NEOSHO

JK Organics LLC
101 E. Neosho Ave
Thayer, KS 66776
620-212-0423 or 620-839-5856
Jkorganicsllc@gmail.com
Organic and Non-GMO Feeds and feed supplements

MAINE

AROOSTOOK

Yost Farm
331 East Blaine Road
Blaine, ME 04734
207-551-5020
Yostfarmtransport@gmail.com

MARYLAND

CARROLL COUNTY

RD Bowman and Sons Inc
PO Box 658
Westminster, MD 21158
410-848-3733
Fax: 410-848-3554
dalebowman@qis.net

FREDERICK

Farmers Co-op
820 East South Street
Frederick, MD 21701
800-255-0023
richard.ohara@farmerscoop.com
www.farmerscoop.com
Conventional

MONTGOMERY

Nick's Organic Farm
8565 Horseshoe Lane
Pommac, MD 28054
301-983-2167
Organic

ST. MARY'S

Stoltzfus Farm and Feed
28180 Thompson Corner Road
Mechanicsville, MD 20659
301-472-4351

WASHINGTON

Martin's Elevator, Inc.
13219 Maugansville Road
Hagerstown, MD 21740
301-733-2553

MICHIGAN

BARRY

Freeport Milling
John
223 Division
Freeport, MI 49325
616-765-8421

ISABELLA

Graham's Organics
Pat and Jim
3653 East Weidman
Rosebush, MI 48878
989-433-5900
Certified Organic only

LAPEER

Brown City Elevator
PO Box 15
4185 Main Street
Brown City, MI 48416
810-346-2895

MARQUETTE

Seeds N' Spores
724 Greenfield Road
Marquette, MI 49855
906-249-9284
seedsandspores@miulink.com
Non GMO

OKLAND

Uncle Luke's Feed Store
6691 Livernois
Troy, MI 48089
248-879-9147
www.unclelukes.com

OSCODA

Country Feed Supplies
389 West Kittle Road
Mio, MI 48647
989-826-2305

WASHTENAW

Dexter Mill
Keri
3515 Central Street
Dexter, MI 48130
734-426-4621

MINNESOTA

STEARNs

D L Luxemburg Feed Service
2967 St Hwy 15
St. Cloud, MN 56301
320-252-1513
Conventional, Non GMO & Organic

WINONA

Elba Co-Op
1230 South Main Street
Elba, MN 55910
507-932-3861

MISSOURI

DOUGLAS

Beaver Creek Feeds
Rte 3 Box 251 L
Ava, MO 65608
417-543-8224
www.beavercreekfeed.com
Non-GMO

WRIGHT

Peterson Processing
314 East 1st
Mountain Grove MO 65711
316-655-4360
petersonorganicfeeds@gmail.com
petersonorganicfeeds.com

MONTANA

CASCADE

Eden Feeds LLC
Manufacturer of Non-GMO Live-stock Feeds
Great Falls, MT 59405
406-750-1138
www.edenfeeds.com
(North Central MT)

NEBRASKA

CUMING

Prairie Oaks Farm
Randy Wattermann
2049 M Road
402-372-5005
West Point, NE 68788
wattermann@gmail.com
Non GMO, Organic/Transitional

NEW YORK

COLUMBIA

Stone House Farm
3161 US Route 9
Hudson NY 12534
(518) 851-2000 Jay
Jay@stonehousegrain.com

MONTGOMERY

John Lyker
655 West Lyker Road
Sprakers, NY 12166
518-774-1777/518-673-3999
Non-GMO

ST. LAWRENCE

Martin's Farm & Garden Supply
860 County Route 47
Potsdam, NY 13676
315-265-4180
martinsfarmsupply@slc.com
Feed Supplements, Fertilizers

YATES

Lake View Organics
Mary-Howell Martens
119 Hamilton Place
Penn Yan, NY 14527
315-531-1038
Mh@lakevieworganics.com
Organic only

NORTH CAROLINA

GUILFORD

Reedy Fork Organic Farm
George Teague
7092 Sockwell Road
336-449-4888
Elon, NC 27244
reedyfork@gmail.com
Organic

STANLY

Mauney's Feed Mill
Kelly
Highway 52
704-463-1331
New London, NC 28127
mauneyfeedmill@ctc.net
Non GMO & Conventional

OHIO

DARKE

Kraut Creek Regenerative Ag Supply
1468 Sater Street
Greenville, OH 45331
937 459 0618
info@krautcreek.com
www.krautcreek.com

GAUGA

Meadow-Shene Feeds
5501 Clark Road
Middlefield, OH 44062
440-693-4416

HOLMES

Holmes Ag Service
301 S Market Street
Holmesville, OH 44633
Conventional, Organic Resale

PREBLE

Dale Filbrun Farm
3993 State Rt 503 S
West Alexandria, OH 45381
937-787-4885
Organic

WAYNE

Mt Eaton Elevator
Phil
15911 Berry Street
Mt Eaton, OH 44659
330-359-5028
Conventional

OREGON

BENTON

Quilted Barn Feed Co
PO Box 563
Philomath, OR 97370
503-347-6538
QuiltedBarnFeedCo@gmail.com
www.QuiltedBarnFeed.com

Feed Manufacturers with Fertrell Products

LINN

Northern Farm & Feed

39624 Highway 228
Sweet Home, OR 97386
541-401-9924
Northernfarmsandfeed@gmail.com

PENNSYLVANIA

BERKS

Cornerstone Organic Feeds LLC

509 Long Lane
Kutztown, PA 19530
610-894-5106
Fax: 610-894-5107
Cornerstoneorganicfeed@gmail.com

Harlan S Burkholder

35 Koffee Lane
Kutztown, PA 19530
610-683-1124
Non GMO

Panorama Natural Feeds

Vernon Burkholder
85 Mud Run Road
Oley, PA 19547
610-987-3898
Organic

Clair H. Wenger

67 New Schaefferstown Road
Bernville, PA 19506
610-401-8022
Organic, Non GMO

BRADFORD

Judson's Mill

PO Box 67
6872 Austinville Road
Columbia Cross Roads, PA 16914
570-297-2153
Poultry Rations only

BUTLER

Osterling's Feed and Grinding

3035 Old Route 422
Fenelton, PA 16034
724-283-1819
Conventional

CHESTER

Organics Unlimited

120 Liberty Street
Atglen, PA 19310
610-593-2995
Organic

CUMBERLAND

Fritz's Custom Feed

Jason & Heather Fritz
1815 McClures Gap Road
Carlisle, PA 17015
717-423-6623 or 717-261-7067
jhfriz@pa.net
Transitional Organic

LANCASTER

C.E. Sauder & Sons

359 Weaverland Valley Road
East Earl, PA 17519
717-445-4822
Custom mixes upon request

Ross' Feed & Grain

27 North Church Street
Quarryville, PA 17566
717-786-7361
Non GMO

Stevens Feed Mill

28 Stevens Road
Stevens, PA 17578
717-336-2150
Conventional

LEBANON

Triple M Farm

Jerry
1525 King Street
Lebanon, PA 17042
717-272-3225
Non GMO & Conventional

MONTOUR

Ziegler Farm

51 Ziegler Road
Watsonstown, PA 17847
570-437-2156 (Abe Ziegler)

PERRY

Peaceful Acres Ag

John Lapp
650 Lyons Road
Millerstown, PA 17062
717-768-7062 or 717-438-3121
Non GMO

SNYDER

Amos M Martin

2284 Snyder Road
Watsonstown, PA 17777
570-649-6720

TIOGA

Tice Feed Mill

Mike Tice
1900 Old State Road
Mainesburg, PA 16932
570-549-2475
Organic

UNION

Groves Mill

(H&C Grove Feed)

3013 Hoffa Mill Road
Lewisburg, PA 17837
570-524-2436
Conventional, Non GMO

TENNESSEE

HICKMAN

Bruce Magoon — MPS

215 Miller Road
Centerville, TN 37033
931-224-0878
bruce.magoon@yahoo.com

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ments and all organic ingredients.

From Joel Salatin

I ran experiments with Fertrell and no meat and bone meal compared to biological products geared to minimize damage from toxins; the Fertrell won hands down and enabled us to get completely away from commercial byproducts. Fertrell literally kept us in the pastured poultry business.

Fertrell Rose Food 424 has made my roses so nice. Your products are so wonderful Thank You for what all y'all do!! My Knock-out Roses have never looked so good... Nicole and the team at Fertrell Rock — **Paul, NJ**

From Dave Shields

Our Pastured Poultry operation is critically linked to the nutrition and management support we receive from Fertrell. We can't recommend them enough to anyone making a business at pastured raised animals.

Just FYI, other minerals are nowhere near as good as Fertrell. I've had to do remedial mineral work on two herds here in Montana that were getting other minerals and had problems with kidding/kids. One herd had severe iodine deficiency, with kids even being born with goiters and hairless, some born live and some dead. The other herd had multiple kidding difficulties and deaths of weak kids. I think perhaps that the salt in the other mineral limits the ability to intake the right amount of minerals, though I cannot be sure that is the reason. Both owners claimed to be feeding the other minerals free choice. In any case, Fertrell minerals and kelp remedied both herds. I recommend only Fertrell goat minerals because of that. I do recommend Redmond equine salt rocks and Redmond conditioner as a buffer in the feed ration in addition to the Fertrell goat minerals. The local herd owners that use Fertrell goat minerals have outstanding hair quality on their goats and excellent kidding reports.

— **Angela Krebs,**
Heritage Organics, MT



The Fertrell Company
P.O. Box 265
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Bainbridge, PA 17502



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