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Notes & Quotes

INSIDE THIS ISSUE

September / October 2022

Preparing your Orchards	2
Fall Soil Testing	3
Early Order Fertilizer	4
Soil Mineralizer Plus	5
News From The Front	5
Fertrell Product Reference	6-7

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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!*

Preparing your Orchards by Sage Dennis

Peaches have been a fruit that has eluded us growing tree fruits in the Northeast for some-time organically. Peaches in my opinion are the perfect example of who to properly farm organically. It is all about preventing a problem rather than reacting to it when it arrives.

Peaches take this and then run with it since 4 out of 5 times by the time you notice symptoms it is already too late. Here at Fertrell we realize the hardships that growers are having with not just peaches but apples, stone fruits, and grapes as well and we've worked hard to figure out a complete program to give the farmer's a fighting chance.

These programs start in the fall before the next growing season. Many insects and diseases like to take up residence on your property. So being sure to remove any dropped, damage, or mummified fruits. As well as branches that may be damaged, dead, or infected branches. Just making sure your tree is clear is not enough however. The area around your tree needs to be clear as well. No dropped fruits, clean cut area

surrounding your tree and the removal of weeds will also help as they can host pests over the winter. Using a dormant oil application periodically throughout dormancy will help control potential infections. Also application of a Bordeaux blend of 1 pound of sulfur, 1 pound of lime, and 10 ounces of Regalia for every 10 gallons of water in the late spring as your plant is about to wake up will give it a nice kick start against attackers.




Once the plant starts to wake up you are going to want to start following your fertilization program to make sure that both your plants are able to meet its own nutrient demands as well as keep it more healthy. Your plant isn't the only thing that is waking up, this is when you want to

keep a tight regiment of Bordeaux Blend every week with an additional application during periods of heavy rain as that is when the spores are looking for next hosts. Insects are also waking up and there are far too many to get into detail about any particular one so be sure to do some research or contact an knowledgeable individual who can help you create one.

This regiment should really continue until the weather clears up and everything dries out. The plants susceptibility at this time should be lesser because most diseases do not like hot, dry weather and your plant has had ample time to build-up it's nutrient reserves. I failed to mention but scouting for various pests should of been something that you should be doing in every season; with the only change being what you are scouting for. In the winter, infected or dead plant material. In the spring, signs of diseases or onset pests. In the summer, pests and pest damage. In the fall, signs of infection from various sources.

The harvest is near and the petals are dropping. Plants are getting ready to get into dormancy and there are few crucial steps that can make or break next season for you. So even if you are busy do not skimp out! You'll thank yourself next year.



OCTOBER SPECIAL

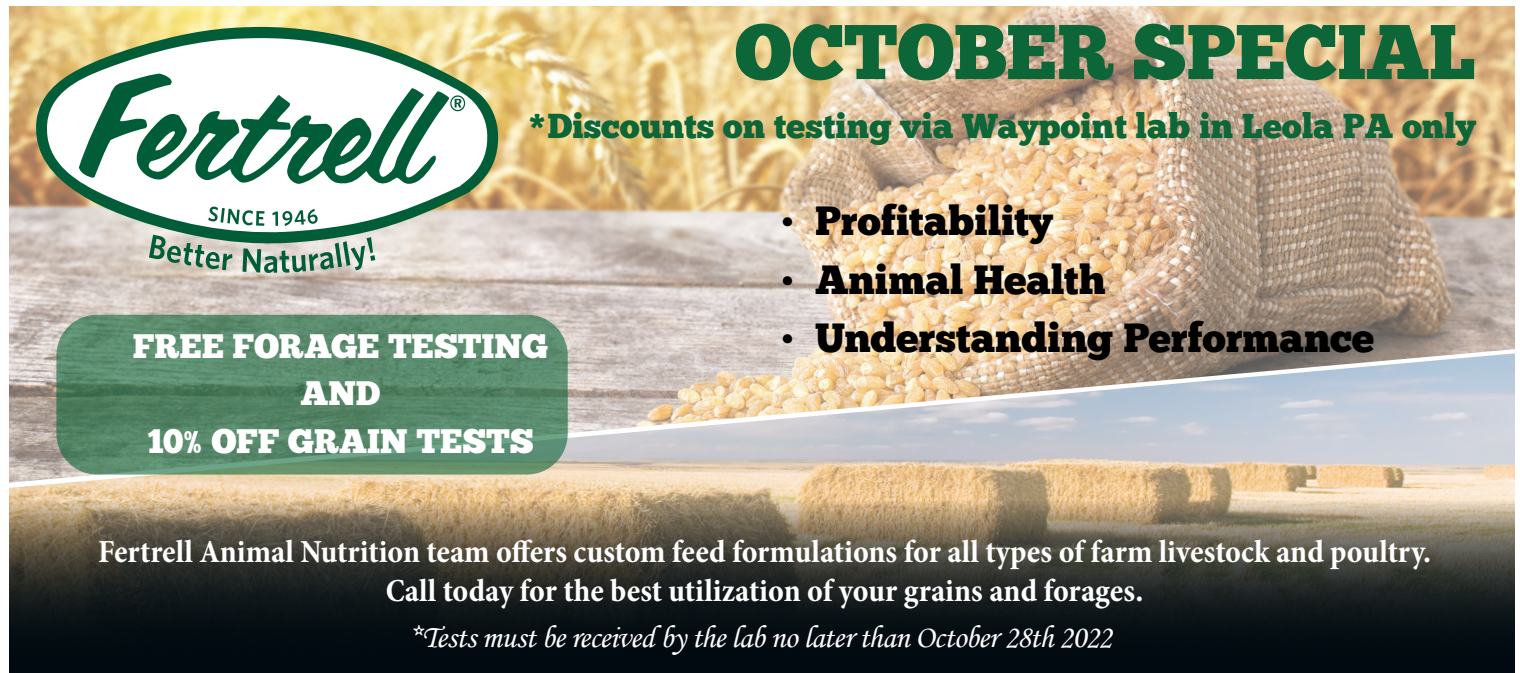
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- **Understanding Performance**

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Call today for the best utilization of your grains and forages.

**Tests must be received by the lab no later than October 28th 2022*



Fall Soil Testing

August means it's almost time for fall soil testing! We like to remind our customers of the importance of soil testing in the fall. Whether you're a backyard gardener or you have acres of field crops, soil testing is the key to figuring out what amendments you need to put down to grow successful harvests. Here are some key things to remember when pulling your samples:

Fertrell suggests fall sampling.

- Mostly because of time; spring is busy and you don't often get a lot of time for planning and ordering.
- Sample 1/3 of your fields every year- Samples are generally considered accurate for 3 years so this time frame works well.
- Don't specifically test bad areas or good areas unless you are trying to determine what to do in one particular area.

Extension soil tests generally don't give you organic matter or any of your nutrient breakdowns. For an \$8.00 savings, you're getting rid of 3/4 of the test. Make sure you're sending your samples to a lab that will give us a full soil breakdown. We recommend Waypoint Labs (was Agri-Analysis) in Leola, PA.

Proper Sampling Techniques:

- Always use a clean soil probe and a clean plastic bucket.
- Typical sample depth is 6-8 inches for field crops or trees.
- Pull 8-12 cores/sample; depending on the size of the field, you may need more cores per sample.
- Place soil cores in the bucket.
- Once all the cores are pulled, mix them together in the bucket. (Not with your hands- the oils can skew test results!)
- Don't pull out rocks, etc. unless they're really large.

Always remember to pull a little more than you need! Labs generally hold samples for a few weeks and can re-test if you think there's been an error.



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IT'S TIME TO SOIL TEST AND PROPERLY PLAN FOR 2023!
Fertrell will work with your soil test to help determine deficiencies. Balanced soils will produce better yields and healthier crops for your farm.

Special - 50% OFF our standard soil test during September, on samples received by Waypoint lab in Leola PA by 9/30/2022.



Contact a local Fertrell Representative through our online locator at www.fertrell.com or Fertrell's main office at 800-347-1566 to get further information on soil testing.



Organic & Conventional Brown Pullets for sale.

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newgenpoultry@gmail.com
(717) 587-9113

Early Order Fertilizer

We see the need to make changes to our early order discount program. As all of you have seen over the past couple of years the price for everything is constantly changing. In most cases cost of everything is going up. Due to unstable cost as well as the ability to source ingredients we need to adjust how we manage our Early Order Fertilizer program.

The big change will be the price of your fertilizer. We will establish the current price of your order based on the cost of the ingredients at the time of manufacturing and delivery. Many people don't understand that we make the fertilizer usually at the time it is ready to be received by you the customer and not at the time you order it in the fall. This may lead to a large difference in the cost of the ingredients to make those fertilizers.

In most years, the price of fertilizer ingredients is lowest through the late summer, fall and

early winter. Then as we get closer to planting season, we always see the prices of Nitrogen, Phosphorus and Potassium go up significantly. This is when every farmer wants to buy or receive their fertilizer and crop inputs.

The best time to buy and receive fertilizers will always be in the last quarter of the year. Unfortunately, many farmers are unable to store their fertilizer through the winter due to available storage space.

With all of that being said, the price of your fertilizer will be determined when you order it for manufacturing and delivery.

How it works – We will apply a percentage of additional credit to the amount of your early order payment. Example below. This will show on your account as a credit. This can be used when you need it on all qualifying products listed below.

Depending on when the payment lands in our

office, the applicable discount will be applied.

A \$10,000 prepayment in September = \$10,800 toward your Spring Fertilizer order.

A \$10,000 prepayment in October = \$ 10,700 toward your Spring Fertilizer order.

A \$10,000 prepayment in November = \$10,600 toward your Spring Fertilizer order.

A \$10,000 prepayment in December = \$10,500 toward your Spring Fertilizer order.

The discounts and blends offered in this program are the same as before:

Discounts: September 8%, October 7%, November 6% and December 5%.

Blends: Super N, Super K, Blue N, Gold SS and Custom blends

Time of receipt of payment will determine which discount will be applicable.



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JUMP START NEXT SEASON!

Applicable Blends	
Gold SS	2-4-2
Blue N	5-1-1
Super N	4-2-4
Super K	3-4-7
Custom Blends	

DISCOUNT	
September	8%
October	7%
November	6%
December	5%

Orders must be placed and paid for by the last business day of the month. No other discounts apply. Discount applies before shipping. Orders must be delivered/picked up by March 14, 2023. Restrictions may apply.

Contact your local Fertrell dealer or the office today by calling 800-347-1566, emailing info@fertrell.com or online at www.fertrell.com.

Soil Mineralizer Plus by Sage Dennis

Laying down fertility in the fall is an important first step for the success of next growing season. However, you don't want to worry about losing any nutrients you may put down. Manure is great however the majority of that nitrogen will be lost over the winter months plus not everyone may have ample amounts of quality manure to use for fall fertility.

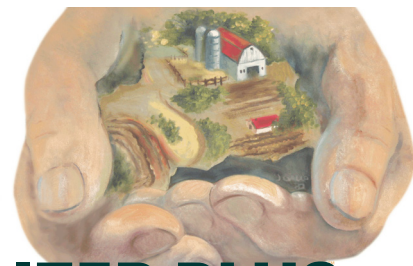
Fertrell has been finding success with our customers who are using annual applications of one of our newest formulations the Fertrell Soil Mineralizer Plus. The "Plus" is there because we took our soil Mineralizer and were able to help increase its availability of nutrients to better suit your plants next season.

It is a 0-4-4 product that has additional Micronutrients and bacterial biology to help increase the breakdown rate of the inputs you invest on your field, whether it be manure, other fertilizers, or just the Soil Mineralizer Plus. This product is meant to be as simple as possible.

After you get your last cutting or finish harvesting an area for the season a quick broadcast application of Fertrell Soil Mineralizer Plus will help fortify your soils and get your plants the boost that you are always hoping for the next growing season.

This product is meant to be economical as well. We understand that the end of the year is not an ideal time to apply fertilizer which is why we designed Soil Mineralizer Plus with that exact thought in mind. It's easy, it's affordable, and it will stay in the soil.

As always, we would be happy to assist you in seeing if Soil Mineralizer Plus is right for you. Give the office a call at 717-367-1566 or 800-347-1566.



SOIL MINERALIZER PLUS GET A JUMP START ON NEXT YEAR!

- Aids in crop residue digestion
- Helps prolong duration of nutrient release
- Prepares perennial crops for dormant season

***10% off for orders placed during October**

Fertrell Soil Mineralizer Plus is a simple and effective blend that increases biological activity in the soil, winterizes perennial crops, and sets your table for success in the coming growing season.



***Available in 50 lb. paper bags, and 2000 lb. totes.**

Contact a local Fertrell Representative through our online locator at www.fertrell.com or Fertrell's main office at 800-347-1566

News From The Front

Supply chain issues

You may have noticed, due to ongoing / reoccurring supply chain issues, we are experiencing delays in deliveries of some of our ingredients and inbound products. This is now also affecting our packaging sources.

You will be seeing plain vs printed bags. Sorry for this inconvenience, but be assured nothing changed in the formulation or quality of our products.

We apologize for this inconvenience, especially for retailers, where packaging is important. Thank you for your understanding.

Price changes

Please note, due to the current commodity and fuel price situation, **PRICES MAY CHANGE WITHOUT NOTICE**. Please review your order confirmation for possible price changes throughout the month.

Holiday closing

We will be closed for Labor Day September 5th.

Fertrell Product Quick Reference

Often Growers are familiar with the products they want to use, but don't recall the application rates prior to placing their orders. We always welcome the calls to our agronomy department, but farming hours don't necessarily coincide with our office hours. In an effort to help our customers immediately, we decided to list the rate charts again for quick reference.

Fertrell Product	Function	Rate per Gallon	Rate per 1000 sq ft	Rate per Acre	Sizes Available
Fertrell Liquid #3 2-3-1	Revigor the plant and encourage overall growth throughout the season. Contains Plant Growth hormones(PGR's) from kelp which can help plant through times of stress	1-2 oz/gal	-	2-3 qts/Acre	1 qt/ 1 gal/5 gal/55 gal
Liquid 3-4-3	Contains kelp and liquid humates along with fish emulsion to provide a boost to at planting while increasing nutrient uptake and increasing biology.	1-2 oz/gal	-	2-3 qts/Acre	1 qt/ 1 gal/5 gal/55 gal
Fertrell Bio-Hume	Contains high C.E.C which serves to collect plant food elements and release them as the plant requires. Will help improve tilth, water and nutrient retention.	1 oz/gal	-	1-2 pts/Acre	1 gal/ 5 gal
Fertrell Liquid Kelp	Contains a spectrum of microelements; plant hormones, vitamins, enzymes and carbohydrates for you plants. It serves as a bio-stimulant and root system developer.	1-2 oz/gal	-	1-4 pts/Acre	1 pt/1 gal/ 5 gal
BAICOR micronutrients	Products specially formulated to address particular deficiencies in a plant.	1-2 oz/gal	-	1-4 qts/Acre	1 gal (5gal special order)
Green potash	Blend of Zeolite and kelp to give you readily available potassium as well as the ability to hold onto the nutrients in the soil. Very useful for potassium deficient soils.	-	8 lb./1000 sq ft	300 lb./Acre	50 lb./ 2000 lb. tote
Sul-po-mag	Used when both potassium and magnesium are required, also a good source of sulfur.	-	As needed	As needed	50 lb.
Kelp Meal	High in Iodine. Used to control cutworm in corn. As well as aiding the plants in times of stress such as drought and frost.	-	4-5 lb./1000 sq ft	15 lb./Acre 1st year 20 lb./Acre 2nd year 25 lb./Acre 3rd year	50 lb.
Live Earth Humates	Acts as an organic chelator to help stimulate microbial life. Increases the plants ability to uptake nutrients.	-	4-5 lb./1000 sq ft	200 lb./Acre	50 lb.
Pelleted Sulfur	Used to drop the pH of the soil and help bind of excess magnesium in the soil.	-	7 lb./1000 sq ft	max 300 lb./Acre best split applied	50 lb.
Fertrell Soil Mineralizer	Containing Calcium, Sodium, Sulfur, and trace mineral to help develop you plants root system. Best used to help your plants ready for winter.	-	10-15 lb./1000 sq ft	400-500 lb./Acre	50 lb.
Fertrell Soil Mineralizer Plus	Contains Calcium, Phosphorous, Potassium, Sulfur, trace minerals and biology to be used as to help bolster non-mobile nutrients and aid in soil preparation for dormancy.	-	4 lb./1000 sq ft	200 lb./Acre	50 lb.
Micro- Nutrient Essentials	Used in an area that needs a variety of micronutrients. Contains B, Ca, Cu, K, Mn, S, Zn, and Humates. This can be used independently or added into a custom blend.	-	1-2.25 lb./1000 sq ft	25-100 lb./Acre	50 lb.
WeedBan	Natural pre-emergent weed control which converts itself into another form of Nitrogen later on in the season to feed your crops.	-	20 lb./1000 sq ft	-	50 lb.

Fertrell 3rd Party Product	Function	Rate per Gallon	Rate per 5 Gallon	Rate per Acre	Sizes Available
Regalia	Bio-fungicide, triggers plants natural defenses on variety of fungal & bacterial diseases, Early blight, Rhizoc, Powdery Mildew, etc.	2-4 Tbs	10 Tbs or 5 oz fluid	2-4 qts/ Ac	1 qt/ 2.5 gal
Stargus	Bio-Fungicide that acts as a plant-growth promoting microbe, stimulating plant defenses, and. Stargus colonizes the plant tissue to out-compete pathogenic organisms trying to gain a foothold.	2-4 Tbs	10 Tbs or 5 oz fluid	2-4 qts/ Ac	2.5 gal

Fertrell 3rd Party Product	Function	Rate per Gallon	Rate per 5 Gallon	Rate per Acre	Sizes Available
Venerate	Bio-Insecticide, Effective on chewing & Sucking insects i.e. thrips/ aphids/ leafhoppers/ BM stinkbug, etc. etc. Safe for beneficials	4 Tbs	20 Tbs or 10 oz fluid	1-2 qts/ Ac	1 qt/ 2.5 gal
Grandevo	Bio-Insecticide, Effective on chewing & Sucking insects & Mites, Multiple modes of action, long lasting, Safe for beneficials	2 Tbs	10 Tbs or 2.5 oz dry	2 lb./ Ac	1 lb./ 6 lb. pack
Copper Sulfate 25% (Cu)	Copper Sulfate is a natural fungicide, Works very well, should be alternated with another product	1.5-2.5 Tbs	7.5-12.5 Tbs	2-4 lb./ Ac	1 lb. / 5 lb. / 50 lb.
200 Grain Vinegar	Weed killer, contact killer, Apply to weeds 4 in and under, Apply in full sunlight	1/2 strength or straight	5 gal or straight	5-10 Gal/ Ac	1 gal/ 2.5 gal/ 55 gal
Natures Avenger AG	Weed killer, contact killer, Apply to weeds 4 in and under, Apply in full sunlight	1:3,1:4,1:6 ratio	1:3,1:4,1:6 ratio	1:3,1:4,1:6 ratio	24 oz/ 1 gal/ 5 gal
PyGanic 5.0	Insecticide, Non selective, Broad pest control, UV light destroys it, Spray in evenings, Pyrethrum is active ingredient 5% concentration	1.5-3 tsp	8-15 tsp	9-15 oz Fluid	1 gal
Pure Spray Green	Insecticide, highly refined mineral oil, Non selective, Broad pest control, Also kills egg clusters etc. Also acts as a "sticker"	1-2 oz	5-10 oz fluid	1-2 gal/ Ac	2.5 gal.
Surround WP	Kaolin Clay, Both a physical barrier on plant leaf and ingested by chewing insects it will clog digestive tract, Mixed with water to apply	1/4-1/2 lb.	1.25-2.5 lb.	25-50 lb. dry	25 lb.
Diatomaceous Earth	Insect control, Abrasive "glass like", cuts exoskeleton of insects (slugs, ants, fleas, grass hoppers, other crawling insects)	Dusting	Dusting	Dusting	2 lb./ 50 lb.
NuFilm	Wetting agent, Creates soft film which polymerizes and reduces effects of rain/ UV light. Increases adhesion of applied products	1/2 oz	1-3 oz	4-16 oz	1 gal
Soluble Sulphate of Potash	Used as a dripline application to continue large, bountiful fruit sets throughout the season by ensuring your crop is able to meet it's potassium requirements.	-	4-5oz/1000 sq ft	10-15 lb./Acre	50 lb.
Ferticell Pro K 0-0-20	A fruit rind as derivative that can be foliar applied or applied through drip. It is convenient, easy to use, and provides ample Potassium to aid in fruit sizing, yield, and color.	1oz/Gal	-	2qts/Acre	2.5 gal.
SPE 120	An inoculant that infects your plant to prevent stress hormones from being released reducing pest pressure. Also able to infect and predate on insects that have consumed infected plant material given the proper circumstances	1oz/Gal	-	1oz/Acre (liquid) 2oz/Acre (Dry)	6 oz (Liquid) 8oz (Dry)
Peach Leaf Curl Bordeaux Blend	Applied once at the beginning of dormancy once leaves have dropped and again before first bud swell in the spring. 2 oz/Regalia, 1 lb. Copper Sulfate, 1 lb. lime, 10 Gal water.	straight blend	-	straight blend	-
Peach Borer Paste	Use in the spring. Damaged or struggling trees are more susceptible to insect pressure. 10 pts Surround, 10 pts Lime, 1 Pt Copper Sulfate. Mix with enough water to create a paste and paint a 12" band around the base of each tree.	straight blend	-	straight blend	-
Leafhopper Control Blend	8 lb. high Pulverized Lime, 8 lb. copper Sulfate per 100 gallons of water. This is a very messy and hard to mix blend that can help control leafhoppers for those who want a cheap alternative. Sprayer must have an agitator and ceramic nozzles.	straight blend	-	straight blend	-
Weed Control Blend	A mix of 20oz of 200 Grain Vinegar, 28 oz of Natures Avenger (1:3 ratio), and 2-4 Tbsp of Epsom Salt. This is a non-selective blend that is meant to kill of all weeds. Grasses may require additional applications. Broadleaf's will die after first application.	straight blend	-	straight blend	-



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Poke Oil - Olive Oil, Phyto Lacca and Camphor. Available in 8 oz and 32 oz bottles.

10% Off October - December, 2022



Downer Bolus Aragonite, Calcium sulfate, Magnesium sulfate, Potassium sulfate, Potassium chloride, Calcium carbonate and Monosodium phosphate. Available in a 25 count container.



Eliminate Bolus Ginger Root, Diatomaceous Earth, Neem Bark, Garlic, Yucca Root. Available in a 25 count container.



SwineX DE, Neem Bark, Ginger Root, and Garlic. Available in 60 oz, 5 qt, and 3 gallon jars.