

AGGRAND[®] NEWS

AGGRAND Liquid Fertilizers Keep Hay Fields Producing

When Jeff and Lynn Tuttle started growing hay on an abandoned hog farm in Oklahoma in 2006, they didn't expect to weather their first season as farmers without rain.

"There has been a major drought the last two summers," Tuttle said. "It rivaled the dust bowl era in Oklahoma. Thanks to AGGRAND liquid fertilizer, the root system on our pastures was able to endure. Many local pastures were badly damaged, or reduced to sand lots."

Despite the conditions, Tuttle had a satisfactory hay yield last year and expects even greater production in the 2007 growing season.

Tuttle credits AGGRAND Liquid 4-3-3 and Liquid Lime for his success.

"The root system is healthier and more drought resistant," he said. "That's the real benefit of AGGRAND. It's like putting money in the bank."

Using AGGRAND organic liquid fertilizers for his crop, Tuttle has improved the pH balance critical for root growth.

"It's like turning the switch when you get the proper pH," Tuttle said. "AGGRAND organic fertilizer is a long-term investment in your crops and hay fields. It is easy to apply and will not burn grass or pollute ground water. It promotes root growth by revitalizing the soil, and increases production and drought resistance."

Besides using a good organic fertilizer, such as AGGRAND, patience is vital, Tuttle said.



The farm, on the outskirts of Spiro, Okla., is located in "real country," Tuttle said. People there long have done things a certain way, using chemical fertilizers and chicken manure. "The crops and pastures become more dependent on rain as the soil is stripped of its nutrients," he said.

Using organic fertilizers that replace nutrients in the soil and strengthen the root system of the crop may initially seem to take longer, he said, but actually is an investment in the land.

When Tuttle first began to farm the fields, he had to spray them with an "environmentally friendly" herbicide to knock out the weeds that had overgrown the good Bermuda grass.

Then he applied AGGRAND 4-3-3 and AGGRAND Liquid Lime together to bring up the pH balance of the soil.

"The weeds started dropping, and the grass was growing strong," Tuttle said. "The first cut yielded ninety-seven, 1000-pound round bales of hay. This was about twice the yield of other area farms."

The fields underwent a second cut last summer. Rather than following the habit of the local farmers of cutting down to the soil, Tuttle left about 4 inches of grass on the fields and put down another round of the AGGRAND fertilizers.

He has not had to re-seed the land and the weeds have not returned.



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AGGRAND Gets to the Root of Trees, Shrubs

One of the most effective methods for fertilizing older or larger woody plants such as trees and shrubs is deep root feeding below the root zone of a lawn.

The ideal fertilizer for deep root feeding is a liquid, low salt product, such as AGGRAND 4-3-3 Fish-Kelp fertilizer containing chelated macro and micronutrients that releases slowly into the root zone.

Several application methods are used for deep root feeding. All of these methods involve penetrating the root zone around the drip line of the tree or shrub (the feeder roots form a circle 2 feet to 4 feet wide around the drip line). One method is to pierce, dig or drill a number of holes in the ground 6 inches to 12 inches deep to receive the fertilizer solution. Another method is to rototill around the drip line, 2 inches to 3 inches, just deep enough to break up the sod but not deep enough to disturb many of the surface roots of the tree or shrub. Then use a soaker hose or a hose-end sprayer to apply the fertilizer. This method may not be possible on shallow-rooted trees such as maples.

A third approach is to apply the fertilizer without any previous tillage. A longer time must be allowed to effectively penetrate the root zone.



The fourth method uses a hollow tree spike through which the fertilizer is injected into the root zone. It may be impractical to use this method on highly compacted soils; in this situation it is better to bore a hole or till.

Tree and shrub fertilizers usually are applied in the early spring or in the fall. When performing deep root feeding by injection or through bored holes around trees and shrubs, use a grid pattern with points every two or three feet starting at least a foot away from the base of the tree

or shrub and extending one or two feet outside the drip line. Start from the trunk on larger trees. AGGRAND Natural Fertilizer should be applied at the rate of 4 ounces to 32 ounces per tree depending on trunk diameter.

The ratio of water to fertilizer is three or four ounces of fertilizer to one gallon of water for hand watering down to one half ounce per gallon for injection and soaker hoses. When pouring the AGGRAND 4-3-3 solution into holes, put one quart of solution into each hole.

Younger trees and shrubs and those in sandy soils need half of the above rate applied in the spring and fall.

Prepare Wildlife Food Plot in Spring

Spring is the time to get your wildlife food plots ready. AGGRAND Natural Fertilizer 4-3-3 and AGGRAND Liquid Lime are the choice of beginners and long term wildlife managers alike. Here's why:



- Quick acting lime
- Economical
- Natural and organic
- Easy to spread
- Mix with water
- Non-toxic, no chemical run-off
- Better growing potential and healthier soil.
- Land becomes a self-sustaining system
- Allows crops to yield longer and during a more stressful season
- Better antler development, healthier deer
- Also for pheasants, quail, turkey, partridge and bear

All you need is a small parcel of land to start your food plot.

For more information, contact your AGGRAND Dealer or 715-392-7101 at extension 6433 or 6419.

AGGRAND®

Natural Lawn and Garden Products

- Multi-purpose – flowers, fruits, vegetables, lawns, trees and crops
- Effective foliar feed or soil application
- Plants resist disease and stress
- Convenient liquid concentrate



Asparagus: A Very Fast Food

"Velocius . . . quam asperagi conquantur"

– Augustus Caesar



When Augustus said "Quicker than you can cook asparagus," he was referring to the very few minutes of steaming fresh asparagus requires before it's ready to receive a blanket of garlic and butter.

The succulent spears were held in such high regard by the Romans, that in the first century A.D. fast chariots and runners were employed to rush fresh asparagus to the Alpine snowline, where it was kept chilled for 6 months until the Feast of Epicurus.

'Sparrow grass,' 'sparragrass' or just plain 'grass,' as it is referred to by commercial producers is not only speedy to prepare, but, under the proper conditions, the shoots can shoot up 10 inches in one day.

AGGRAND Liquids Prepare Soil, Nourish Roots For Healthy Asparagus Plants

- Allow a sunny space for the asparagus row that won't shade other plants when the unharvested shoots grow into 5-foot to 6-foot feathery shrublets. Alternatively, the asparagus can be planted to provide summer shade for greens or cooler-weather crops. (Asparagus thickets were said to have concealed Perigyne, beloved of Theseus.)
- Dig a furrow about a foot deep and wide, and as long as space allows. Create a mound down the center of the trench using a mixture of compost, composted manure or leaf mold mixed about half and half with garden soil. Apply AGGRAND Natural Liquid Bonemeal mixed 6 ounces per gallon of water down the entire row. Use about a gallon of solution per 10 feet of row.
- Soak the roots in a weak solution of AGGRAND 4-3-3 – 1 ounce of AGGRAND 4-3-3 in a gallon of water – for 15 minutes before planting. Then, spread the asparagus root crowns out over the mound in the

AGGRAND HORTFACT

Asparagus (*asparagus officianalis*) has been wild harvested in the Mediterranean region and Asia Minor for more than 2000 years. It is a member of the lily family (liliaceae), which includes the lily, gladiolus, hosta and tulip.

The name is derived from the Greek *asparagos*, meaning 'sprout' or 'shoot.' The Romans brought it into cultivation around 200 B.C. Its popularity grew throughout Europe, appearing in England by perhaps 1000 A.D., where it was called 'sperage' or 'sperach' until the Latin name was adopted sometime in the 16th century.

Around the same time, asparagus was being touted as an aphrodisiac in certain Arabic texts, and was famously used by Mme. Pompadour in 18th century France to enhance, well, her delight. It finally arrived in America with early settlers, but was not formally cultivated here until sometime around 1850.

"Asparagus seems to inspire gentle thought."

– Charles Lamb, 18th C. English essayist

trench 18 to 24 inches apart, making a slight mound beneath each crown.

- Once the crowns are in place, cover them gently with 2 to 3 inches of compost and water in thoroughly with more of the weak 4-3-3 solution. As the shoots begin to appear, spread the remaining soil-compost mixture around them until only the top one inch is showing. Repeat this process every week until the soil is used up.
- At this point, water thoroughly with 3 ounces to one gallon 4-3-3 and 4 ounces to one gallon of 0-12-0 Bonemeal once per month during the growing season. Mulch with compost or shredded leaves to retain moisture.

Be patient. While it takes only a few minutes to cook asparagus, it takes time for the plant to mature for harvest. Do not harvest any spears during the first growing season, and for only two weeks the next. By the third season, you should be able to harvest a full four-to-six weeks or more.

AGGRAND Features Business-Building Course at Annual AMSOIL University



It's nearly time for AMSOIL University, the annual gathering of AMSOIL Dealers in Superior, Wis. This year's event is set for May 20-24.

"Creating an AGGRAND Business From the Ground Up," will be presented for Dealers interested in increasing their profits through sales of AGGRAND products.

This is a great opportunity for Dealers to learn more about AGGRAND products and

how they can be part of your successful AMSOIL business.

Many veteran Dealers have used and sold AGGRAND products for many years.

"I believe any Dealer who doesn't recognize the potential business opportunity of AGGrand is missing out," said Direct Jobber Gerry Reid of North Carolina. "I believe that to be truer today than ever before."



Hay Farmer Projects Greater Yield With AGGRAND

Continued from page 1.

The 2007 season is underway and Tuttle has once again fertilized with the AGGRAND fertilizers.

Water isn't a problem this year, he said.

"It has been a wet winter and the land is saturated, the ponds are full."

He expects an early cut at the end of May this year. In fact, he's predicting a third cut for the season.

"I think the AGGRAND is really going to take off and show this year and going into next year," he said. "It's a matter of being patient. Because of what we've done, I'm anticipating about a 50 percent increase in production."

He also expects it won't be long before others in the community are looking to buy AGGRAND products.

"The healthy grass growing on our property has not grown unnoticed," Tuttle said. "This is a close community, and people share information to help each other out. Our pastures are going to be a showcase. People talk and people look. People are watching."

We are looking forward to a bright green future with Aggrand.



Quick Hay and Pasture Reference

Depending on the results of a soil test, and aside from other amendments that may be required for soil balancing, AGGRAND 4-3-3 and AGGRAND Liquid Lime should be mixed at the rate of 1 gallon of each per 25 gallons of water and applied with agitation and/or recirculation to one acre of pasture at green-up in spring and after each cutting or grazing period when new growth reaches 4 to 6 inches.

Know Your Soil With AGGRAND Soil Sample Kit

Dealers should know AGGRAND makes available a soil sample kit, G-1374, for \$3. Complete instructions are included. The cost is \$12.70 for a basic analysis for one sample. Customers send the sample to Midwest Labs in Omaha, Neb., and the lab sends out results of the analysis to customers, and one to AGGRAND. AGGRAND personnel go over it and send customers a copy of the AGGRAND fertility guide, detailing which AGGRAND fertilizer products to use.

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with your
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"I formulated AGGRAND fertilizer, so I know it is second to none."

Al Amatuzio President and CEO,
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