

AGGRAND® NEWS

No Substitute for AGGRAND Experience

AMSOIL Direct Jobber Gerry Reid from Chester, Virginia knows from experience that AGGRAND Natural Fertilizers work wonders.



Gerry Reid got involved with AGGRAND almost from day one, and he hasn't looked back. He read about it, studied it and even went to organic gardening seminars. He learned the products and used them for his lawns and gardens

and was impressed from the start.

"Natural fertilizer is going to replace chemical fertilizer," said Reid. "It's the only route we can go for a better environment."

A West Virginia cattle farmer who kept detailed documentation of his business told Reid about the first time he used AGGRAND 4-3-3 on his cattle fields. He purchased new spraying equipment and a season-worth of Natural Fertilizer 4-3-3 and Liquid Lime at half what it used to cost him for chemical fertilizers. At the end of the season, he bailed 40 percent more hay than he had ever bailed in his fields before. His cattle used to consume 50 magnesium blocks a year, but he was able to reduce that to 12 because the cattle were better fed in his field. A pasture became ready to graze after 30 days instead of 90.

Reid also worked with a Washington, D.C. gardener who conducted an experiment with three tomato plants. One received no fertilizer, one got Miracle Gro and one was given AGGRAND Natural Fertilizer. The plant that received no fertilizer was 3 feet tall. The plant that got Miracle Gro was a little taller. The plant that received AGGRAND Natural Fertilizer was over 4 feet

tall. The plant was full of leaves and fruit production was greatly increased.

"I've used it on all my lawns," said Reid. "The soil here is like concrete in summer. By the middle of summer, we used to have no lawn, only weeds. Thanks to AGGRAND, we have a really healthy lawn and grass grows when it never used to."

A contractor landscaping the medians on highways called Reid to try some AGGRAND Natural Fertilizer. Even after several days of heavy rains, the AGGRAND produced results the contractor had never seen before. He called Reid again to order AGGRAND Liquid Lime and reported that the grass in the median came in sooner than expected and looked amazing. He said he couldn't believe his eyes.

Reid knows that AGGRAND Natural Fertilizer can be an important part of any AMSOIL business. "When I sign someone up as an AMSOIL Dealer, I automatically send them extra AGGRAND literature," said Reid. "I display my AGGRAND product right alongside my AMSOIL product in the garage. I see them as two different sides of the same high-quality coin. AMSOIL is about synthetics and AGGRAND is about organics, but they both do very good things for the environment. If you tie the two together correctly, customers will understand why it makes sense to sell both products."



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with your
testimonials and suggestions.
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The Difference is AGGRAND Natural Fertilizer



Richard Ward of Seaman, Ohio was originally featured in the November/December 2000 *AGGRAND News* for his success using 4-3-3 on his corn. His corn continues to prosper. On July 1, 2000 he planted 120-day field corn and used AGGRAND 4-3-3. By September his corn was fully mature at six to seven feet tall.

Richard recommends three ounces of AGGRAND Natural Fertilizer 4-3-3 for every gallon of water and applying it to the soil after seeding. Foliar spray the corn when it is 14 to 16 inches tall and again when it is tasseling.

“The corn will take off and not stop growing until it’s ready to be picked,” said Ward. “AGGRAND 4-3-3 is so impressive that people slow down to look at my corn. Then they stop to ask what I did to get it to look so good. I tell them the difference is that I use AGGRAND Natural Fertilizer.”



Fortify Plant Health With Foliar Applications



While plants generally take up nutrients through their roots, this method cannot always meet all of their nutrient demands. If soil pH is higher (alkaline) or lower (acidic) than the optimum range for plant growth, essential nutrients become unavailable. Zinc, for example, is ‘locked up’ or unavailable when soil pH exceeds 7.5.

Foliar feeding is an efficient way of providing nutrients during periods of peak nutrient demand, in conditions where soil pH creates a nutrient deficiency and during periods of envi-

ronmental stress. A foliar supplement is the quickest way to correct these deficiencies without sacrificing performance. Applying two or three foliar supplements also reduces the amount of fertilizer needed for preplant, plant and transplant applications.

Foliar application methods—

1. Calendar-based approach: Feeding begins on a certain date and continues at set intervals throughout the growing season or,
2. The plant’s developmental stages (i.e. bud formation, first bloom, fruit set, etc.) are your cue for application.

When AGGRAND 4-3-3 and 0-0-8 fertilizers are applied before drought, frost, insect attack, or the onset of disease-susceptible stages, the effects of stress will be reduced or eliminated.

Apply these two fertilizers every three to four weeks at a one to four percent dilution rate (1/4-5oz. per gallon of water) for foliar applications. Use higher concentrations on heavy feeders or low fertility soils. Do not exceed four percent dilution or foliage could be damaged. On sandy soils reduce the rate by 1/4 to 1/3 and apply every two to three weeks instead.

To increase spray adhesion on the leaf surface, add a ‘spreader-sticker’ to the spray tank. A non-toxic biodegradable vegetable oil based product is recommended, usually at about two to three oz. per gallon or as directed.



Summer Maintenance for Berry Patches

AGGRAND Recommendations to Help You Grow Sweet, Luscious Berries



Maintain your berry patches through the heat of summer by keeping the soil around them moist and fertilized.

1. Strawberries: Cover the strawberry bed with mulch such as straw or pine needles to retain soil moisture. Sawdust and woodchips do not allow moisture to drain well and interfere with strawberry quality.

New planting— Broadcast 4 oz 0-12-0 and 3 oz 4-3-3 per gallon of water on 100 sq. ft. before final seedbed preparation.

First application— Foliar feed in spring after leaf formation with 2 oz 4-3-3 in one gallon of water (only if leaves are light green to yellow).

Second application— Foliar feed in late August with 2 oz 4-3-3 and 2 oz 0-12-0 in one gallon of water.



2. Blueberries: Blueberries also need a mulch cover to retain moisture. Pine needles or, unlike strawberries, sawdust are commonly used.

New planting— Band (water in the hole) 4 oz 0-12-0 and 3 oz 4-3-3 in one gallon of water on two or three bushes during planting. Water the bushes with the same solution after planting.

First application— Broadcast 2 oz 4-3-3 in one gallon of water on 100 sq. ft. (on mulch around plants) in early spring.

Second application— Repeat first application every 3 weeks until fruit set.

Third application— Foliar feed in late summer after harvest with 2 oz. 4-3-3 in one gallon of water.

3. Raspberries: They seem to grow well everywhere. Produce better raspberries by keeping the roots cool with a thick layer of straw cover.

First application— Apply 2 oz. of 4-3-3 in one gallon of water on 100 sq. ft. (on mulch around plants) in March.

Second application— Repeat first application every 3 weeks until fruit set.

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Better Growing With Kelp



AGGRAND Natural Kelp and Sulfate of Potash is an important part of any soil fertility and plant nutrition program. It contains eight percent readily-available potash (K_2O) that contributes the potassium in the grade 0-0-8 (N[nitrogen]-P[phosphorus]-K[potassium]). Potassium is considered the "universal helper" and greatly contributes to plant health by regulating many important plant processes.

AGGRAND Natural Kelp and Sulfate of Potash contains two percent sulfur in sulfate form, which is readily available to plants. Sulfur, called the "fourth major nutrient," has many important functions in plant growth and metabolism, including formation of amino acids, proteins and oils, nitrogen fixation, activation of enzymes and much more. Sufficient sulfur produces high quality and yields of vegetables, tree fruits, small grains, legumes and forages. Sulfur must be present in sufficient amounts for soil and plant tissue to benefit from nitrogen (N) and potassium (K).

AGGRAND Kelp and Sulfate of Potash also contains kelp concentrate from the icy waters of the North Atlantic Ocean. As fertilizer, kelp makes plants healthier and more robust by enhancing their heat, drought and cold tolerance. It also reduces susceptibility to insect and disease attack because leaf cuticles thicken and tissue sugar solute levels (Brix %) rise.

AGGRAND Natural Kelp and Sulfate of Potash also contains minimally processed sulfate of potash from the Great Salt Lake in Utah. Unlike other sources of potassium this does not contain chloride (Cl^-), which can damage soil life and plant roots. Sulfate of potash (K_2SO_4) is an ionically balanced source of K and S. Plant use efficiency of ionically balanced fertilizer is much higher for root and foliar applications.



Potassium must be present in large quantities in plants because it is a component of the fluids that flood plant tissue. Potassium-deficient plants are susceptible to insect attack and have weak stalks and underdeveloped root systems. Sufficient potassium produces high quality vegetables and tree fruits with firmer stalks and higher nutritional content.

Naturally occurring synergistic compounds added to AGGRAND Kelp and Sulfate of Potash release nutrients from the soil, act as chelating agents, aid in foliar and root uptake and stimulate biological soil activity.

A Key to Healthy Plants!

AGGRAND Natural Kelp and Sulfate of Potash:

- Provides increased heat, cold and drought tolerance
- Decreases susceptibility to insect attack and infection by disease-causing organisms
- Aids in early plant growth and development
- Promotes early ripening, improves quality and extends shelf life of fruits and vegetables
- Aids in seed formation
- Increases oil content of seed crops
- Increases efficient nitrogen use
- Increases nitrogen fixation of legumes.



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

Al Amattuzio President and CEO,
AMSOIL INC.

Our Address

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