

# AGGRAND<sup>®</sup> NEWS

## Prepare Your Lawn for Winter

### Lawn Maintenance Schedule

Inputs	Spring	Summer	Fall	Winter
AGGRAND 4-3-3	→	i	→	
AGGRAND 0-12-0 <sup>a</sup>	→		→	
AGGRAND 0-0-8 <sup>b</sup>	→		→	
AGGRAND Liquid Lime <sup>c</sup>	→	i	→	
Mulching <sup>d</sup>	→		→	
Compost/Manure <sup>e</sup>	→		→	
Corn Gluten Meal <sup>f</sup>	→		→	
Rejuvenation <sup>g</sup>	→		→	
Renovation <sup>h</sup>	→		→	

- a** If using AGGRAND Liquid Lime, substitute AGGRAND 0-12-0 in spring and fall to stimulate root growth.
- b** Apply with 4-3-3 or alternate applications a week or two apart to stimulate resistance and supply additional potassium, sulfur and micronutrients.
- c** Apply AGGRAND Liquid Lime along with 4-3-3 or alternate applications a week or two apart where calcium soil levels are low (indicated by pH of less than 6.0).
- d** Return nitrogen, other nutrients and organic matter to the soil in the form of grass clippings.
- e** Top dress with 1/2 to 1 inch of compost or composted manure in spring and/or fall (both times on hard soil low in organic matter).

- f** Apply corn gluten meal in spring as soil warms and again in early fall to control broadleaf weeds.
- g** Dethatch, aerate, topdress and overseed. Fall is preferable, but it can be done in spring. Use plug type aeration and fill holes with compost.
- h** Desod, take soil test, till in amendments, reseed or lay sod. Fall is preferable, but it can be done in spring. This may be the only solution on weedy lawns with compacted soils.
- i** Continue applications in summer if grass has been well-watered and is actively growing. Do not apply AGGRAND in high heat or drought.

Soil testing is part of any fertility program, so don't forget to offer potential customers the AGGRAND soil-testing service. Order the G-1374 AGGRAND Soil Test Kit. For as little as \$12.70, a basic soil analysis helps customers get vegetables and crops off to a great start with AGGRAND Natural Fertilizer products.

**Send AGGRAND testimonials  
and suggestions to:**

**AMSOIL INC. • Attn: AGGRAND Department  
AMSOIL Building • Superior, WI 54880  
or fax us at (715) 392-5225 or (715) 392-5267**



Proper Care Leads to Healthy Lawns

# Phosphorus for Fall



You may already know that a fall feeding at planting time is beneficial for bulbs. Most spring-flowering plants and shrubs also respond to a phosphate boost the previous fall. Consider feeding AGGRAND Liquid Bonemeal to peonies, lilacs, forsythia, crepe myrtle, roses and many others, including perennial vines like wisteria and clematis. For established plants, use 4 oz per gallon of water per foot of shrub diameter for a good feed.



## Plow-down With AGGRAND

The top four to six inches of soil is the most biologically active, so before tilling or incorporating plant and crop residues into the topsoil, consider applying one gallon per acre (or 3oz/gallon per 100 square feet) of AGGRAND Natural Fertilizer 4-3-3. The natural fish-kelp formula includes microbial activators that will help accelerate the decomposition of stubble and other organic matter that has been worked into the topsoil.

## Stoke Up the Compost Heap This Fall

If you're like many of us, your garden and other growing things have created a bonanza of excess organic matter that needs to be dealt with in some way. Establishing a compost pile is a great way to recycle this material.

If you do have a compost heap, now is the time to incorporate all the compostable garden residues and get your heap cooking for next year's garden.

It is best to alternate hot and wet components like grass, leaves and garbage with drier, springier materials (stems, sticks, straw) in order to improve aeration and prevent compaction.

In order to keep your pile active longer, it is a good idea to sprinkle on a solution of AGGRAND 4-3-3 and Natural Liquid Lime diluted at 4 oz. per gallon of water. The lime will counteract the acidity of the leafy material and will help feed the microbes stimulated by the 4-3-3.

This, in combination with an occasional shovel full of old garden soil, should be enough to keep your compost active while the rest of the garden beds down for winter.





# Lime This Fall!

To fortify your yard for the coming winter, apply **AGGRAND Liquid Lime** this fall.

AGGRAND Natural Liquid Lime is made with dolomitic limestone containing the essential nutrients calcium and magnesium. Calcium improves soil texture, makes phosphorus and micronutrients more available to the plant and improves the environment for microorganisms, the builders of the soil.

Magnesium is part of the lifeblood, or chlorophyll, of the plant and controls the development of this molecule. If we had magnesium in our blood instead of iron, we would be plant life. Dolomitic lime is about 35-45 percent magnesium. AGGRAND Natural Liquid Lime has about seven percent calcium and four percent magnesium.

Typical granular or bagged limestone application instructions for field or garden will specify to apply a certain number of pounds per acre or per 100 square feet to raise soil pH and increase alkalinity. Depending on how fine the lime is and the character of the soil, it could take three years to raise soil pH one point. That is the time usually allowed for all the limestone to break down and become a useful part of the soil. Most ground limestone is usually 50 percent through a 100 fine mesh screen

AGGRAND Natural Liquid Lime is super-finely ground dolomitic limestone, with 100 percent passing through a 300 fine mesh screen. When mixed with water, as directed, the lime becomes available to the plant immediately. The readily available calcium in the soil around the plants encourages the utilization of other nutrients. The crop responds with vigorous green growth since it can now use nutrients more effectively.

As fine as AGGRAND Natural Liquid Lime is for lawn, turf, pasture and food plots, there are other useful applications as well.

One AGGRAND customer is a certified pesticide dealer, and after talking to the AGGRAND department, he tried using the Liquid Lime along the sides of brick and stucco houses to help remove moss that had accumulated over time. To his amazement, the Liquid Lime killed the moss and helped eliminate it from the sides of the houses.

Liquid Lime is also a great treatment to eliminate moss around pine trees and shaded grassy areas. Moss proliferates in acidic areas and soils, therefore the alkalinity of the AGGRAND Liquid Lime neutralizes the soil, brick and stucco to kill the moss.



# Plant Bulbs This Fall for an Early Spring Show

If you've never planted spring flowering bulbs before, you're missing a beautification opportunity every fall. If you have, you know that a minimum of effort provides you with a spring flower show that can bring you out of the winter doldrums long before bedding plants and perennials are in bloom. What's more, with a little regular aftercare, your bulbs will continue to signal the arrival of spring for years to come.

AGGRAND helps you get bigger and longer-lasting blooms when applied at planting time every fall.

**Here are a few bulb and planting tips and how to's:**

- Get a good bulb-planting tool (a foot-operated one saves the wrist).
- Bulbs are most effective when planted in groups for an early season color splash.
- Planting depth should be about three times the bulb's diameter (6-8 inches for large bulbs, 2-4 inches for smaller).
- Whenever possible, mix soil in a wheelbarrow with compost before refilling planting holes, especially if soil has a lot of clay (bulbs like good drainage).
- Mix 3 oz. of AGGRAND 4-3-3, 3 oz. of AGGRAND Bonemeal 0-12-0, 1 oz. of AGGRAND Kelp & Sulfate of Potash 0-0-8 with one gal. of water.
- Sprinkle 1/2 to 1 cup of solution into the planting hole before setting bulbs.
- Sprinkle 1 gal. of solution per 100 sq. ft. onto soil after planting and water in thoroughly.
- On acidic soils (pH is below 6.0), mix 8 oz. of AGGRAND Natural Liquid Lime with 1 gallon of water and apply as a broadcast application to the flower bed before planting. Apply 2 gal. of the solution to 100 sq. ft.
- Reapply AGGRAND products every fall when bulbs are storing energy for spring.
- Check local garden centers for the proper planting time and bulbs suited to your climatic zone.

With some planning, and AGGRAND in the sprinkling can, you can have bulbs coming up from early spring through summer.

# Hunters! Fall Food Plot Preparation

Over the last three years, food plot management has been the fastest growing segment of the multi-billion dollar hunting industry. People are growing food plots for several reasons: An alternative to baiting; to encourage increased antler development; increased herd development; year-round foraging; improved nutrient and vitamin supplementation; outbreaks of bovine tuberculosis; improved wildlife habitation, and for people who just love to watch wildlife flourish.

Food plots can range in size from 100 sq. feet to dozens of acres. They are grown in every area of the country and in all types of soils. The recommendations for starting your own food plot are as follows:

- 1) Get a soil analysis (multiple samples for bigger plots). This eliminates all the guesswork of what you are trying to achieve.
- 2) Bush-hog the area and then apply Round Up™ to defoliate the food plot. After 10 days, power rake and/or disc the defoliated area of dead leaves and grasses.
- 3) The soil should now be ready for seeding. After choosing the seeds of your choice for deer, turkey, pheasant, quail, etc., apply the seed.
- 4) Apply a mixture of AGGRAND Natural Liquid Lime and AGGRAND Natural Organic Fertilizer 4-3-3 in 25 to 40 gallons of water per acre, directly after seeding the soil. The amount of NLL and NOF mix ratio will depend on your soil analysis. A typical mix ratio would be a gallon of each mixed with 25-40 gallons of water per acre. The great advantage of using AGGRAND products is that you can mix the products together and apply them at the same time.
- 5) A second foliar application should be applied about five to



- six weeks after seeding. The food plot should have about four to six inches of green-up at this time. Use the same mix ratio that was used at seeding time.
- 6) If the food plot was planted in August, a second foliar application may be applied in late September or early October.
  - 7) Let the food plot go through its dormancy period throughout the summer. In mid to late September, apply one last foliar application. Not only are you fortifying the forage for the fall and upcoming winter periods, you are also invigorating the soil and protecting the plants from cold weather stresses.

- 8) Repeat this process the following spring. It doesn't matter whether you have an annual or perennial cropping system. Replenishing the soil with AGGRAND does not only benefit the soil, but also provides increased microbial and earthworm activity. An acre-worth of healthy earthworms produces 700 pounds of earthworm castings a day. Earthworms also provide ample soil aeration.

For whatever reason you choose to grow food plots, AGGRAND is the natural choice to start and maintain food plot management for years to come.