

# ALUMINUM SULFATE



Helps turn hydrangeas blue



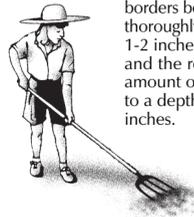
**Lilly Miller® Aluminum Sulfate** is commonly used to turn hydrangea flowers blue and to acidify soils. Aluminum sulfate is derived from naturally occurring bauxite ore. It can also be used to counteract the effects of concrete sidewalks and foundations on the soil pH.

Hydrangeas with blue flowers require aluminum to maintain their color. Do not apply aluminum sulfate to pink or white flowered varieties unless a blue flower color is desired.

**Caution:** High levels of soluble aluminum in the soil can be injurious to many plants. On some very acid mineral soils with a pH below 5.5, aluminum toxicity can limit the growth of plants. Care should be taken using aluminum sulfate under these conditions. When using on hydrangeas to maintain flower color, do not use phosphate fertilizers at the same time. A reaction occurs in the soil that causes the aluminum to bind up with the phosphorus, making it unavailable to the plants.

#### Preparing Large Areas

Proper soil preparation is essential to growing beautiful gardens. When preparing large areas like perennial or annual flower borders be sure to thoroughly incorporate 1-2 inches of compost and the recommended amount of fertilizer. Mix to a depth of 6-8 inches.



#### Feeding Established Plants

Spread fertilizers evenly over the entire root zone. Leave a circle about 12 inches in diameter around the trunk and distribute fertilizers to out beyond the drip line. Work in lightly and water. During hot weather trees will benefit from mulching, but keep it several inches away from the trunk.



#### Application Rates:

For general garden use or to turn hydrangeas blue, use 1/2 to 1 lb. of aluminum sulfate per hundred square feet (10'x10') per year. For individual plants, use approximately 1 teaspoon per plant around small plants and up to 1/2 to 1 lb. for large specimens. (DO NOT exceed the rate of 1 lb. per 100 square feet per year.) Apply to the soil around the drip line of the plant and water in thoroughly. Alternately, dissolve 1/3 cup of aluminum sulfate in 1 gallon of water and apply to the soil around the drip line of the plant. Do not allow the solution to come in contact with the foliage.

To reduce the effect of concrete on the soil pH, apply aluminum sulfate in a band at the recommended rate along foundations and walkways.

**S** ... Sulfur is indispensable for plant and animal growth. It is an essential ingredient in many amino acids and it is an important constituent of proteins and certain vitamins. It is necessary for nodule formation on legume roots, and for seed production in all plants.

**Al** ... Aluminum is not a plant food. It helps to acidify soils through a chemical reaction in the soil. In some instances aluminum can be toxic to plants. DO NOT EXCEED THE RECOMMENDED RATES.



GUARANTEED ANALYSIS (F1475):

Sulfur(S)..... 16%

Derived from aluminum sulfate

ALSO CONTAINS NON-PLANT-FOOD INGREDIENT:

9% Aluminum (from Aluminum Sulfate)

Filled by weight not by volume. Product may settle after packaging.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-lmb.com>.

This product is not recommended for use as a fertilizer substitute.

LILLY MILLER BRANDS  
P.O. BOX 2289  
CLACKAMAS, OREGON 97015

[www.lillymiller.com](http://www.lillymiller.com)



For Plants That Prefer Acidic Conditions

Net Weight 4 lbs. (1.8 kg)



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