

# X-calibur Blue Knight

## Polymer Coated Aluminum Sulfate 2-3 Month

**100% Polymer coated Aluminum Sulfate with a release time of up to 3 months**

### **GUARANTEED ANALYSIS:**

100% Aliminim Sulfate  $Al_2(SO_4)_3^*$  . . . . . 12%  
12.0% Combined Sulfur (S\*)

**Derived From:** Aluminum Sulfate  $Al_2(SO_4)_3^*$

### **ALSO CONTAINS NONPLANTFOOD INGREDIENT(s):**

14.0% Aluminum derived from Aluminum Sulfate  
 $Al_2(SO_4)_3^*$

\* The Aluminum Sulfate has been polymer coated to produce 12.0% controlled release Sulfur and 14.0% controlled release Aluminum.

X-calibur Blue-Knight is a 100% controlled release Aluminum Sulfate, designed to be used primarily as soil amendment to promote development of a blue flower color in the production of blue Hydrangeas. X-calibur's unique polymer coating technology controls the release of both the Sulfur and Aluminum, thus reducing the need for multiple applications, and providing a steady controlled release into the growing media. Controlling the release of Sulfur helps prevent fluctuations and/or a rapid drop in soil pH, which not only affects nutrient availability, but also reduces the potential for Aluminum toxicity. Controlling the release of Aluminum helps prevent nutrient imbalances and also reduces the potential for Aluminum toxicity.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals/htm>

Timing, rate, and method of application, growing environment, crop condition, mixing with other chemicals, and other influencing factors in the use of this product are beyond the control of the manufacturer. Buyer assumes all risks of use, storage and handling of this product. Always refer to the 'Directions for use' guidelines when using BlueKnight.

### **Manufacturer's Statement of Liability:**

X-calibur Blue-Knight conforms to the Guaranteed Analysis on the label. Directions for use are based on tests believed to be reliable to produce desired results. All statements made regarding use of this product apply only when used as directed under normal use conditions. This product is sold as is, and the manufacturer makes no warranties, either expressed or implied, and in no event shall the manufacturer be liable for damages of any kind.

**Caution:** Keep this product out of reach of children. Keep from contact with eyes, cuts, or sores. Wash hands after use. Not for human consumption.

**Manufactured by:**  
**X-Calibur Plant Health Company, LLC**  
**PO Box 1419, Summerville, SC**  
**Phone: 866 922-5428**



Manufactured in the USA



PLANT HEALTH COMPANY, LLC

[www.x-calibur.com](http://www.x-calibur.com)

**Net Weight 50 lbs. (22.7 KG)**

Plantacote is a registered trademark of AGLUKON

# Blue Knight Directions for use

The rate guidelines provided below are based on multiple performance trials conducted on a wide range of cultural practices and multiple hydrangea cultivars

**Note:** It is strongly recommended that you trial this product on a limited number of plants prior to application to an entire crop to insure performance with your cultural practices.

**The following conditions should be taken into consideration when using the BlueKnight rate guideline chart.**

## Topdressing;

1. If watering overhead spread the product as uniformly as possible over the surface of the pot keeping away from a direct application to the stem.
2. If using drip irrigation apply in the vicinity of the drip emitter.

**Low rate:** Use the low recommended rate if any of the following conditions exist.

1. In enclosed structures where air movement is minimal and plants are tightly spaced.
2. If the pH of the media is below 6.0.
3. If prior applications of Aluminum sulfate have been made either granular or liquid.
4. If using flood irrigation.

**High rate:** Use the high recommended rate if growing under the following conditions.

1. Container nurseries growing plants outdoors using bark-based mixes.
2. Plants spaced in outdoor growing conditions.
3. If media pH is 6.0 or above.

## Rate guideline Chart:

Topdress (grams)	Rate	
Container Size	Low (grams)	High (grams)
2 quart (6")	8	12
1 gallon (8")	12	18
2 gallon (10")	25	39
3 gallon	40	68
5 gallon	65	100
Incorporation (lbs/cu yd)	Low	High
	8	12