

# CASCADE PLUS 16G



## DEPTH SPECIFIC SOIL SURFACTANT

## CONTAINS NON-PLANT FOOD INGREDIENTS

### ACTIVE INGREDIENTS

2% Alkyl Phenol Ethoxylate  
14% Oxirane, methyl-, polymer with oxirane

### INERT INGREDIENTS:

84% Cellulose Complex  
100% TOTAL



## KEEP OUT OF REACH OF CHILDREN WARNING

### PRECAUTIONARY STATEMENTS

Harmful if swallowed or inhaled. Causes skin irritation and serious eye irritation. If medical advice is needed, have product container or label at hand. Read label before use. Avoid breathing dust. Wash protective equipment and work clothes thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Specific treatment is given in the First Aid section on this label or on the SDS.

### FIRST AID

**If Swallowed:** Call a POISON CENTER/doctor or Chemtrec if person feels unwell. Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

**If Inhaled:** Remove person to fresh air and keep comfortable for breathing. Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER/doctor or Chemtrec if person feels unwell.

**If In Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**If On Skin:** Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention. Treat Symptomatically. Take off contaminated clothing and wash it before reuse.

### GENERAL INFORMATION

CASCADE PLUS 16G is formulated to reduce the effects of Localized Dry Spot caused by hydrophobic soils by increasing both the rate and depth of water infiltration for extended periods of time. Because CASCADE PLUS provides proven performance over hydrophobic soil conditions and localized dry spots for 4-6 months, you'll get what university researchers have known for years--better drainage and deeper, more even root growth for long-lasting improvements in color, quality and stress tolerance. CASCADE PLUS' improved environmental profile and granular formulation makes it suitable for use on all golf courses, sod farms, recreational, commercial and residential turfgrass areas, as well as sports grass playing surfaces, landscape, greenhouse and container ornamental plantings.

### DIRECTIONS FOR USE

Due to the extended length of residual activity of CASCADE PLUS 16G, it is best applied using the **application techniques** described below to avoid risk of temporary leaf tip discoloration caused by certain environmental conditions that may exist at application.

CASCADE PLUS 16G can be applied at any time of the year, using conventional fertilizer spreading equipment, to relieve plant stress caused by hydrophobic soil conditions. Due to the unique chemistry of CASCADE PLUS 16G, it can be used as either a preventative measure against LDS or as a curative treatment later in the growing season.

If CASCADE PLUS 16G cannot be applied according to the **application techniques** listed below, use of the liquid formulation of CASCADE PLUS may be recommended.

### APPLICATION TECHNIQUES

**Turfgrass:** Apply to dry turf only.

Follow applications with a full cycle of irrigation within 24 hours to remove CASCADE PLUS from the granule carrier and into the root zone.

In some instances, it has been observed that the CASCADE PLUS 16G granules may be picked up with reel mowers. If this is a concern, remove the baskets until the granules have been exposed to a full cycle of irrigation or they have worked their way into the turf canopy.

**Landscape, Greenhouse and Container Ornamentals:**

Apply to dry foliage only.

For more consistent water infiltration and utilization in plant beds exhibiting hydrophobic conditions, apply CASCADE PLUS 16G according to the application rates listed below and follow with a full cycle of irrigation within 24 hours.

For soil treatment of blooming plants, follow applications with a full cycle of irrigation within 6 hours to relocate granules caught in the foliage to the soil surface and remove the CASCADE PLUS from the granule carrier.

### APPLICATION RATES

**Single rate:** Apply 7 lbs. (3.175 kg) per 1000 square feet (92.9 m<sup>2</sup>). This will generally relieve the symptoms of LDS for 4 - 6 months.

**Split rate:** Apply 3.5 lbs. (1.587 kg) per 1000 square feet (92.9 m<sup>2</sup>) on 60-day intervals to relieve the symptoms of LDS.

### SPREADER SETTINGS

Spreader settings below are recommendations only and should be considered as a beginning point for user calibration. Your results may vary based on equipment, operator, and environmental variables beyond the manufacturer's control. It is strongly recommended that spread pattern and delivery rate be monitored and recalibrated as required.

SPREADER	PATTERN		RATE SETTING	
	Width (ft.)	Setting	3.5 lbs/1000 (1.587 kg)	7 lbs/1000 (3.175 kg)
Scott R-8A	5	4	H 1/2	J
	9	4	I 1/2	L
Lesco	5	Open	C	D 1/2
	9	Open	D	G 1/2
Spyker	11	-	-	5.7

### STORAGE AND DISPOSAL

Store in a cool, dry place away from oxidizing agents. Keep bags closed at all times. Dispose of in accordance with federal, state and local regulations.

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

### CONDITIONS OF SALE

Note: Read the information contained herein before buying or using this product. If the stated terms are not acceptable, return the product at once, unopened. It is critical that this product be used and mixed only as specified on this label. Neither the manufacturer nor the seller makes any representation or warranty, expressed or implied, with respect to the results from the use of this material. Buyer and user assume all risks of use and/or handling. Precision Laboratories, LLC warrants that this material is reasonably fit for use as specified on this label. No agent or representative is authorized to make any other representations concerning this material. Unforeseen factors beyond Precision's control prevent elimination of risks in connection with the use of its chemicals. Such risks include, but are not limited to, damage to plants and/or crops to which the material is applied, or lack of complete control and damage caused by drift to other plants or crops. Such risks may occur even though the product is reasonably fit for use as stated herein and even though label directions are followed. Follow directions carefully. Timing, mixture, method of application, weather and other conditions are influencing factors in

# NET CONTENTS: 42 LBS.

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For 24-hour technical assistance when using this product in the USA call: 1-800-323-8351

For 24-hour emergency service when using this product in the USA call CHEMTREC: 1-800-424-9300

Cascade is a trademark of Precision Laboratories, LLC

12/14



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# CASCADE PLUS 16G

the use of this product and are beyond the control of the seller. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of the company or any other seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.



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