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Specifications

Horta-Sorb® Water Management Gel

Product Description

A water management gel used to absorb water and fertilizers and manage the resulting liquid in the root zone of plants.

Product Specification

Name:	Horta-Sorb® LG Horta-Sorb® MD Horta-Sorb® SM
Chemical Description:	Cross linked polyacrylamide copolymer
Particle Size:	Horta-Sorb® LG - 2.0 mm. to 4.0 mm. Horta-Sorb® MD - 1.0 mm. to 2.0 mm. Horta-Sorb® SM - 0.2 mm to 0.8 mm.
Percent Soluble:*	Less than 5%
Effective Life:	5 years minimum
Absorption Capacity:*	330 - 400 times in distilled water.
Fade Resistance:*	Hard crystals, firm to touch with no more than very slight softness.

* Test procedures for alternative products available from specifier.



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Application Trees & Shrubs

Horta-Sorb™ LG - Mix product with backfill in the top first 8-10 inches of planting hole for larger plants, and 4-6 inches for smaller plants, making sure that it is in contact with the root ball and not at the bottom of the planting hole using the following dosage rates:

Size	Amount	Size	Amount	Size	Amount
4" Container	½ tsp	1" Caliper	1 oz.	24" Box	3 oz.
1 Gallon	1 TBS	2" Caliper	2 oz.	30" Box	6 oz.
2 Gallon	2 TBS	3" Caliper	3 oz.	42" Box	9 oz.
3 Gallon	3 TBS	4" Caliper	6 oz.	48" Box	12 oz.
5 Gallon	1 oz.	6" Caliper	9 oz.	72" Box	18 oz.
7 Gallon	1 ½ oz.	8' Caliper	15 oz.	24" Spade	2 oz.
10 Gallon	2 oz.	2' Height	2 TBS	30" Spade	3 oz.
15 Gallon	3 oz.	3' Height	1 oz.	52" Spade	6 oz.
20 Gallon	4 oz.	6' Height	3 oz.	66" Spade	9 oz.
30 Gallon	6 oz.	8' Height	6 oz.	80" Spade	12 oz.
50 Gallon	9 oz.	12' Height	9 oz.		
100 Gallon	15 oz.				
200 Gallon	24 oz.				

Flower Beds

Broadcast Horta-Sorb® MD at the rate of 1 lb. per 100 sq. ft. and work into the ground 3-4 inches.

Turf

Soil Amendment: Broadcast Horta-Sorb® MD at the rate of 3 lbs. per 1,000 sq. ft. With sprigging and seeding, work into the first 1" of soil with a till or by chain drag dressing at this rate for every 2 inches of soil depth, i.e., you could apply 3X the normal rate so long as the 9 lbs. per 1,000 sq. ft. was incorporated in six inches. With sod, simply lay sod on top of treated area without the need for tilling at the 3 lb. per 1,000 sq. ft. rate.

Bare Root Treatment

Bare root treatment: Dipping Roots - Mix Horta-Sorb® SM at the rate of 1 lb. per 30 to 35 gallons of water to form a root dip* the consistency of a heavy gravy. Adjust application rate to achieve this consistency.

Hydroseeding/Hydr mulching

Add Horta-Sorb® SM at the rate of 10 – 50 lbs. per acre depending on severity of conditions and budget considerations. Add Horta-Sorb® SM to the tank before adding fertilizer, mulch and seed.



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Execution

Use in accordance with approved submittal for each type of planting required in strict accordance with supplier's instructions and recommendations.

Manufacturer's Service

At the request of specifier provide the services of a qualified technical representative to instruct the user in proper mixing and handling of the product.

Verification of Use

At the request of the specifier excavation of random plots of up to 1% of planted materials. Alternative procedures if product has not been used shall be required by specifier after consultation with manufacturer.

Horticultural Alliance, Inc.

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