

STOCKOSORB® Advanced Hydrogel Technology

Application Rates



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Use at higher rates for:

- plants requiring more water
- plants which have to endure longer periods between irrigation intervals
- plants which have to survive high temperatures and low rainfall
- mixtures with soil substrates having low water holding capacity








Use at lower rates for:

- plants requiring less water
- plants receiving frequent watering
- mixtures with soil substrates having high water holding capacity

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Advanced Hydrogel Technology

STOCKOSORB® Application Rates (The following application rates are approximate.)

Applications	Methods, Depth and Timing	Application Rates
 Potting mix, Soil mix	Blend into the media before planting. Irrigate immediately after planting until saturation is reached.	2 - 4 lbs. per cubic yard depending on plant media, water holding capacity and rainfall environment.
 Planting beds	Mix ½ of STOCKOSORB® throughout the planting hole and then amend the backfill with remaining ½. Irrigate immediately after planting until saturation is reached.	1 - 2 lbs per 1000 sq. ft.
 New turf establishment/ sodding	Broadcast dry with a spreader or drop seeder for even disbursement. Work into the soil approximately 6" (15 cm) in depth for new establishments or 3" (7 cm) for sod application, spread seed or lay sod, roll and water liberally.	2 - 4 lbs per 1000 sq. ft. depending on soil type and annual rainfall
 Root dipping for bare root transplants	Slowly add STOCKOSORB® powder type to water. Allow product to fully hydrate (15 - 30 min). Adjust the slurry to the viscosity that best adheres to the roots. Immediately after uprooting, dip (or spray) roots either singly or in bunches in to a container containing hydrated STOCKOSORB®. Lift and allow access to drain. Plant roots can also be kept in hydrogel for a longer period of time. Plant out into the soil in the usual way.	56 gm or 2 ounces of STOCKOSORB® per 5 gallons of water
 Potting Containers	Mix ½ of STOCKOSORB® throughout the planting hole and then amend the backfill with remaining ½. Irrigate immediately after planting until saturation is reached.	2 - 4 lbs. per cubic yard Pot volume: 1 gallon 1/3 oz. (.75 teaspoon) 5 gallons 1 oz. (1.5 tablespoon) 10 gallons 2 oz. (3.5 tablespoon) 30 gallons 6 oz. / 50 gallons 8 oz. 100 gallons 12 oz. / 400 gallons 36 oz.
 Transplanting trees, shrubs	Mix STOCKOSORB® with the backfill or plant substrate. The total application rate can vary, depending on the species, planting hole size, root volume, transplant height, climate and soil conditions. 1/3 of the recommended dosage is applied directly into the planting hole and mixed with the soil. The remaining 2/3 is mixed with the fill material. Leave a small part of untreated soil for the final soil coverage. Pack fill material firmly. Irrigate transplants until saturated.	Root ball size: 12" = 0.75 - 1.5 tbsp 15" = 1.5 - 3 tbsp 18" = 2.5 - 5 tbsp 24" = 6 - 12 tbsp (6 oz.) 30" = 0.75 - 1.5 cups 36" = 1.25 - 2.5 cups 48" = 16 oz. (3 - 6 cups)
 Established trees, vines, ornamentals	Apply STOCKOSORB® as a pre-hydrated gel in the root zone with an AIRITECH or BIOLIFT-Lance-Injector. This type of lance uses new technology, combining a pneumatic and a hydraulic system. First the lance, which uses a jack hammer mechanism, penetrates hard soils at precisely targeted depths ranging from 20 - 120 cm (8" - 48") without damaging the roots. In the second step, the injector pulses pressurized air into the soil in order to create cracks and free space. Finally, the hydrogel is injected into the newly created space.	3 - 14 oz. dry granulates per plant. Application rate, placement and depth to be determined according to plant height and root system.

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