

STOCKOSORB® Application Rates



STOCKOSORB® Advanced Hydrogel

Use at higher rates when:

- plants require more water
- plants must tolerate long periods between irrigation intervals
- plants must survive high temperatures and low rainfall
- mixtures with soil substrates with low water holding capacity

Use at lower rates for:



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

STOCKOSORB®
water + soil management

Distributed by Greener Solutions International



Approximate Application Rates

| 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. |
|  | 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. | Pot volume: 1 gal. 1/3 oz. (.75 tsp) 5 gal. 1 oz. (1.5 tbsp) 10 gal. 2 oz. (3.5 tbsp) 30 gal. 6 oz. / 50 gal. 8 oz. 100 gal. 12 oz. / 400 gal. 36 oz. |
|  | 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 into 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. | 2 oz. - 8 oz. of STOCKOSORB® per 5 gallons of water |
|  | 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 |
|  | 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. |

Some photos courtesy of Evonik.