

WATERLOCK FOR TREES & SHRUBS

***WaterLock: Tree & Shrub** is an eco-friendly, non-toxic, child and pet friendly product designed to be an easy first step in planting any new tree or shrub in your yard.*



BENEFITS:

- Absorbs and retains water, reducing watering requirements 25-50%
- Aerates soil in the root zone while absorbing water
- Reduces mortality rate by up to 40%

Did you know that on average, up to 1 in 5 new trees will die within the first 2-3 years of planting? That means there is a good chance that you'll have to replace some of your new trees & shrubs! Two of the leading causes for trees & shrubs mortality are water and nutrient stress (56%), and soil compaction (9%).

In the hot summer months evaporation compounds the problems that under-watering can cause for your tree and with summer water restrictions becoming more frequently, over-watering to make up for the "dry days" can drown the roots! Using **WaterLock: Tree & Shrub** can help you store extra water and nutrients in the soil, in a form that won't drown your roots, preventing both issues at the same time. Once absorbed by the powder, water is slowly released back into the soil over several days to prolong water availability.

Proper soil aeration is another requirement for healthy root growth which **WaterLock: Tree & Shrub** can help enhance. As the powder absorbs water, it swells multiple times to its original size. As water is drawn out of the compound and into the roots, the powder shrinks and create small air pockets in the soil. This has the effect of aerating the roots and preventing soil compaction, giving them space to grow freely.

Using **WaterLock: Tree & Shrub** will help increase the survival rate of your new addition, while saving you water, time and money!

INSTRUCTIONS

Dig a hole about 2-3 times the volume of the root system

Set aside enough untreated soil to cover the top of the hole to a depth of 5 cm (2.5").

Dry powder Mixture Application:

Evenly mix 1.5 - 2 kg of WaterLock per cubic meter (~1200 kg) of soil

- 2 kg of WaterLock has a volume of 2.5 L
- This is roughly 2-3 tbsp (30-40g) per 20 L bucket of soil

WaterLock must be evenly mixed into the excavated soil to avoid any large clumps of unmixed powder.

Place the root ball of the plant at the bottom of the hole and fill in the hole with the soil / WaterLock mixture.

Ensure the product is distributed evenly around the roots. Then cover the surface with the untreated soil from earlier.

Water until the soil swells just over the lip of the tree well, this is how you know the waterlock has absorbed enough water for the tree roots.

Note: Do not put unmixed dry WaterLock at the bottom of the hole. Once hydrated, the swelling of the powder can destabilize the tree and cause it to fall over.

Hydrated gel Application:

Dissolve the powder in water at a ratio of 1kg to 100L, for enough powder to fill the hole to 1/3.

- For a 16" root ball, this would be approximately 200g into 20L
- Pour the gel product into the hole, place the root ball into the centre and back fill with un-mixed soil to fill the hole 1 cm below the lip of the hole.

As the WaterLock releases it's water to the tree, the soil level will begin to drop in the tree well. When this happens, water until the soil rises back to the level of the tree well.

Visit our website at WaterLockEnviro.com if you have any questions.

