

Hydrocell

SOIL ENHANCER, AERATOR AND GROWTH PROMOTER



What makes Hydrocell better than ordinary wetting agents?

You'll use less water...

As the Hydrocell greatly improves the absorption and water-holding ability of the soil or potting mix, you'll use up to 50% less water, depending on conditions and plant species, resulting in more robust blooms along with denser foliage.

Hydrocell is easy to re-wet... Rewettability of Hydrocell makes it a perfect additive for hydrophobic conditions. When water comes into contact with Hydrocell, it is absorbed instantly and is retained within the root profile - where it benefits your plants.

You'll need less fertilizer...

Nutrients are absorbed in the open cell structure of Hydrocell and are gradually released, reducing fertilizer leaching out. Though Hydrocell is not a fertilizer, it has the capacity, like no other, to hold nutrient levels from the added fertilizer, especially nitrogen and potassium.

Hydrocell reduces soil compaction...

Hydrocell reduces compaction in the root zone simply by creating more air space. Because it holds air and water the plant roots will seek out and grow through, the Hydrocell flakes.

Hydrocell is biodegradable and environmentally safe...

Hydrocell breaks down in the soil over a 7 year plus period. Because it is sterile and inert the Hydrocell component of the mix will not change the chemical balance (eg. the pH).

hydrocellTM
BY FYTOGREEN



Disclaimer: This information is supplied in good faith and trials are recommended by the user to test the suitability of the procedure in the soil types that exist within the user's geographical region. No liability will be accepted by Fytogreen Australia or it's representatives as to the final performance based on this information. 5/9/2016

Fytogreen
Greening the Built Environment

Hydrocell

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With Hydrocell you can significantly reduce your water consumption while encouraging faster, stronger and healthier plants. **The results speak for themselves!** - We asked a commercial grower to test Hydrocell. The plants potted with Hydrocell in the mix responded with faster, more robust growth & healthier blooms.

Volume of Hydrocell Flakes per plant hole

ROOT BALL SIZE	LITRES REQUIRED
tubestock	150 ml
14cm pots	1.5 lt
20cm pot	4.0 lt
40cm pots	45 lt
50cm pots	75 lt
64cm pots	150 lt

The inclusion of Hydrocell flakes into the plant hole for planting offers the following benefits:

- Improvement in moisture retention in the rootzone. (60% by volume)
- Improvement in aeration. (37% air by volume at saturation)
- Improved capillary water movement.
- Reduction in compaction, especially in clay based soils.
- Increase in average pore size in soils.
- Improvement in re-saturation speed for hand watering.
- Increase in available nutrients in the rootzone.
- HYDROCELL is non-hydrophobic and will improve soil re-wetting

Where can I get Hydrocell...

Hydrocell is available Australia Wide online at www.fytogreen.com.au or in store

VICTORIA

Burdetts Sand & Soil
Ph: (03) 9789 8810
McClelland Drive,
Frankston, VIC

QUEENSLAND

Fytogreen
Ph: 1300 182 341 or
Mike Heard: 0417 622 228
1336 Chambers Flat Road,
Chambers Flat, QLD.

SOUTH AUSTRALIA

Jefferies Group
Ph: 08 8368 3555
412 Hanson Road,
Wingfield, SA.

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Hydrocell with potted plants



Your potted plants will flourish on less water and suffer less heat stress with Hydrocell.



STEP 1: To prevent airborne dust, take your bag of Hydrocell to the planting area, open and wet the contents with a hose for up to 2 minutes.



STEP 2: Place a 2cm thick layer of Hydrocell in the bottom of the basket or a 6cm layer in a pot.



STEP 3: For hanging baskets, layer the Hydrocell up the sides as well.



STEP 4: For potting your plant you will need 2 parts potting mix and 1 part Hydrocell.



STEP 5: Mix thoroughly.



STEP 6: Place plant in basket and backfill with pre-mixed potting mix and Hydrocell.



STEP 7: Water well. You will notice much less water draining through the bottom of the container - it is absorbed by the Hydrocell instead.

Tree planting with Hydrocell



Your new trees will flourish on less water and establish faster with Hydrocell.



STEP 1: To prevent airborne dust, take your bag of Hydrocell to the planting area, open and wet the contents with a hose for up to 2 minutes.



STEP 2: Pre-dig plant hole to required depth (this should be approx. twice the size of plant rootball). Place a quantity of loose soil at bottom of hole.



STEP 3: Using the container that the plant came in, place 1/2 a container of Hydrocell in the bottom of the hole.



STEP 4: Position plant in the hole ready for the backfill soil to be added.



STEP 5: Fill hole with water before backfilling. Place another 1/2 a container of Hydrocell with the backfill soil and blend to mix.



STEP 6: Backfill mixture of soil and Hydrocell.



STEP 7: Mulch thickly avoiding the trunk of the tree.

Photos courtesy of Brisbane City Council Street Tree Planting Trials

Hydrocell for your lawn



Your lawn will flourish on less water and stay green longer with Hydrocell.



To prevent airborne dust, take your bag of Hydrocell to the planting area, open and wet the contents with a hose for up to 2 minutes.

Laying Turf



STEP 1: Prepare topsoil with rotary hoe.

Planting lawn seed



STEP 1: Prepare topsoil, apply a 2cm layer of Hydrocell and blend with rotary hoe.



STEP 2: Apply a 2cm layer of Hydrocell and blend using one pass of the rotary hoe.



STEP 2: Scatter your lawn seed as per supplier's instructions and water thoroughly.



STEP 3: Lay your new turf and water thoroughly.



LOOK! Left - no Hydrocell used. Right - Hydrocell incorporated into soil before planting. What a difference!

Note: 100L Hydrocell covers 5m²

Adding Hydrocell to gardens



Your gardens will flourish on less water and suffer less heat stress with Hydrocell.



STEP 1: To prevent airborne dust, take your bag of Hydrocell to the planting area, open and wet the contents with a hose for up to 2 minutes.



STEP 2: Dig a trench to spade depth and spade width alongside your established plants.



STEP 3: Add Hydrocell to the hole and fill almost to the top.



STEP 4: Blend with soil to cover.



STEP 5: Water area well.



STEP 6: Mulch thickly.



STEP 7: Water area well again.