

Aqualatus Soil surfactant

Aqualatus* is a unique soil surfactant with outstanding qualities to benefit soil moisture retention. Its formula, unique to Engage makes it essential for achieving maximum distribution of root water and nutrients.

Aqualatus is 83% active surfactant.

Contains 64% Tri Block Co-Polymer and 19% Gluco-ethers.

Formulated to give excellent initial wetting of agricultural soils and growing media.

Optimises the penetration, lateral movement and distribution of root applied nutrients.

Maximum uptake of water and irrigation efficiency.

Provides long term residual re-wetting of roots zones in any crop.

Can be applied to all soils and any growing substrate.

CROPS

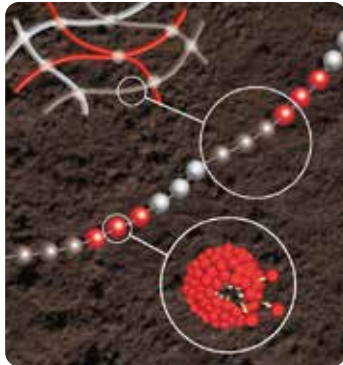
Most agricultural and horticultural crops including:

- | | |
|--|--|
|  Brassicas |  Top Fruit |
|  Leafy Salads |  Stone Fruit |
|  Potatoes |  Vines |
|  Carrots/Parsnips |  Citrus Fruit |
|  Legumes |  Soft Fruit |
|  Fruiting Vegetables |  Ornamentals |

* Known as Integrate in the rest of Europe.

Aqualatus

- Aqualatus is made using a unique tri-block co-polymer which creates a lattice of connecting micelles which have a hydrophilic head and a hydrophobic tail.
- The micelles act as a microscopic bridge to increase the adherence between the soil particles and water. This slows the vertical movement of applied water allowing greater lateral movement which helps to optimise soil moisture levels.
- Aqualatus is non-ionic. Non-ionic surfactants are the most suitable for soil application as charged surfactants react with other ions in the root zone causing precipitates to form. Non-ionic surfactants, importantly, work well in both acidic and alkali environments and have low toxicity making them safe to use in all soils and growing media.



- Aqualatus also contains 19% Gluco-ethers which are plant sugars designed to aid nutrient uptake by enhancing microbial activity in the rhizosphere to increase availability of nutrients and their utilisation by the roots.

Use

MAXIMISE THE EFFECTS OF YOUR NUTRIENT INPUTS

Treating soils and growing media with Aqualatus will improve water and nutrient distribution and utilisation. Aqualatus does this by expanding the root zone wetted area where larger, healthier root systems can develop to access greater levels of nutrients which result in quality/yield benefits.

Conservation of water - Studies show Aqualatus can reduce irrigation water volume by up to 50% while maintaining yields equal to 100% water volume. This is vitally important in periods of low water availability and reduces irrigation energy costs. Less water equals less energy to move the water.

Save up to
50%
on water

Trials Data

Dye trials in formed beds illustrate the movement of water using drip tape irrigation under the influence of Aqualatus.



◀ This trials photograph illustrates the normal path of water under normal soil conditions one hour after application. 67% coverage is achieved (one hour after application).



◀ This trials photograph illustrates the path of the water under the influence of Aqualatus one hour after application. 92% coverage is achieved (one hour after application).

Application Rates and Use

Open field

If applied using overhead irrigation, boom sprayer or drench, then initial applications of Aqualatus should be applied at 1.2 litres/ha regardless of the volume of fertiliser applied. Optimal distribution will be attained in 900-1800 litres of water. Any subsequent applications should be applied at 0.6 litres/ha at monthly intervals.

Injected or blended with fertiliser

Initial application should be at 1.2 litres/ha, added to stock mix, dosed within normal feed regime parameters. Subsequent applications should be given at monthly intervals at 0.6 litres/ha.

Application to aid efficacy of root applied beneficial nematodes

Regular use of Aqualatus at the standard injection rates above will achieve optimal moisture levels for increased beneficial nematode mobility. If however Aqualatus is not regularly employed the addition at 1.2 litres/ha (0.6mls per litre) will provide increased moisture levels to allow maximum distribution of nematodes.

Drench application for hydrophobic conditions

For single drench application to soils or growing media, such as large containers a 0.25% - 0.5% solution is recommended.

In the case of extreme dry conditions or for use in hydrophobic soils or growing substrates additional applications may be used.



Pre-plant Aqualatus treated onions

Aqualatus is safe to mix with any nutrient in single or multi-elemental form.

Soil Applied Chemistry

Aqualatus is not an adjuvant and we do not give a recommendation to apply Aqualatus with soil applied agrochemicals and fumigants. It is however important to note that regular use of Aqualatus used at recommended rates will affect the movement of the water that soil applied agrochemicals and sterilants are applied with and therefore their movement may also be effected.

For more detailed application rates per crop, please visit www.engageagroeuropa.com or speak to an Engage advisor.

Always read the label before use.

Unit 5 | Town Lane Industrial Estate | Town Lane | Charnock Richard | Chorley | PR7 5XG

t: + 44 (0) 1257 226590 e: info@engage-agro.com

www.engageagroeuropa.com