



# Aqualatus Granular

26% CaO+12%S + Aqualatus Concentrate

Aqualatus Granular is specifically formulated for extensive open field crops where water retention is required however the use of intensive irrigation is not possible.

Aqualatus Granular is made using a calcium sulphate base and is created for spreading over the surface of open fields and can be left on the surface or cultivated into the top 30cms of soil.

Once moist, the Aqualatus concentrate lifts from the granule as it begins to break down and coats the soil particles with microscopic structures called micelles to help soils reduce evaporation and to reduce leaching.

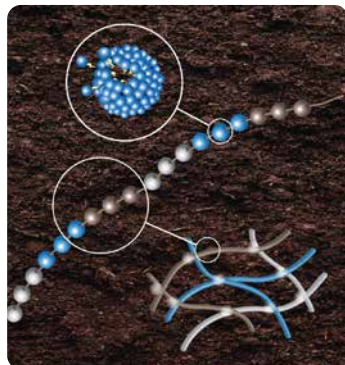
Also the calcium sulphate base will not affect soil pH and with 27% Calcium and 12% Sulphur it will nutritionally support all vegetable and arable crops.

## CROPS

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

## Aqualatus Granular technology

- Aqualatus Granular is made using a calcium sulphate base and the Aqualatus 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 microscopic bridges to increase the adherence between soil particles and water. This slows the vertical movement of applied water allowing greater lateral movement which helps to optimise soil moisture levels.
- Aqualatus Granular is non-ionic. Non-ionic polymers are the most suitable for root application as charged polymers react with other ions in the root zone causing precipitates to form. Non-ionic polymers, importantly, work well in both acidic and alkali soils and have low toxicity making them safe to use in all growing media.
- Aqualatus Granular also contains 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.
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## 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.

Importantly Aqualatus Granular applies available calcium and sulphur to soils so it is important to ensure these elements are not excessive in soils before use.



## Trials



Standard growing

Aqualatus Granular applied

◀ The picture on the left illustrates the power of Aqualatus Granular. The Area on the right was treated with 300kg per Hectare of Aqualatus Granular.

The supplementary watering was then reduced in the Aqualatus area by 50%. As you can see, not only did the area cope well with the reduced water rate, the plants increased in growth during the same growth period

## Application Rate to Field Crops

The application to field crops will depend upon climatic conditions and water availability. Application rates of 200kgs-400kgs will be enough to cover support field water levels for up to six weeks.

Crop	Number of applications	Timings	Rate kg/ha
<b>Cereals</b>	1-2	Apply via fertiliser spreader at two specific periods T2 and T3 depending upon rainfall. Allow 6 week between applications.	<b>200-400</b>
<b>Oilseed Rape</b>	1-2	Apply via fertiliser spreader at GS11-19 (3-9 unfolded leaves) depending upon rainfall. Please allow 6 weeks between applications.	<b>200-400</b>
<b>Brassicas</b>	1-2	Apply via fertiliser spreader at GS13-19 (3-9 unfolded leaves) depending upon rainfall. Please allow 6 weeks between applications.	<b>200-400</b>
<b>Legumes</b>	1-2	Apply via fertiliser spreader at GS13-19 (3-9 unfolded leaves) depending upon rainfall. Please allow 6 weeks between applications.	<b>200-400</b>
<b>Onions/Leeks</b>	1-2	Apply via fertiliser spreader at GS13-19 (3-9 unfolded leaves) depending upon rainfall. Please allow 6 weeks between applications.	<b>200-400</b>
<b>Olives</b>	As required	Every 6-8 weeks as required from when new growth begins until harvest. Ideally targeting the drying parts of the season.	<b>400</b>

### Warning

Aqualatus Granular is not an adjuvant and it is not recommended to apply Aqualatus Granular to enhance the efficacy of root applied chemistries. It is however important to note that regular use of Aqualatus Granular water management polymer will affect the movement of the water that agrochemicals are applied with and therefore their movement may also be effected.

*For more detailed application rates per crop, please visit [engagecropsolutions.com](http://engagecropsolutions.com) or speak to an Engage advisor.*

*Always read the label before use.*

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