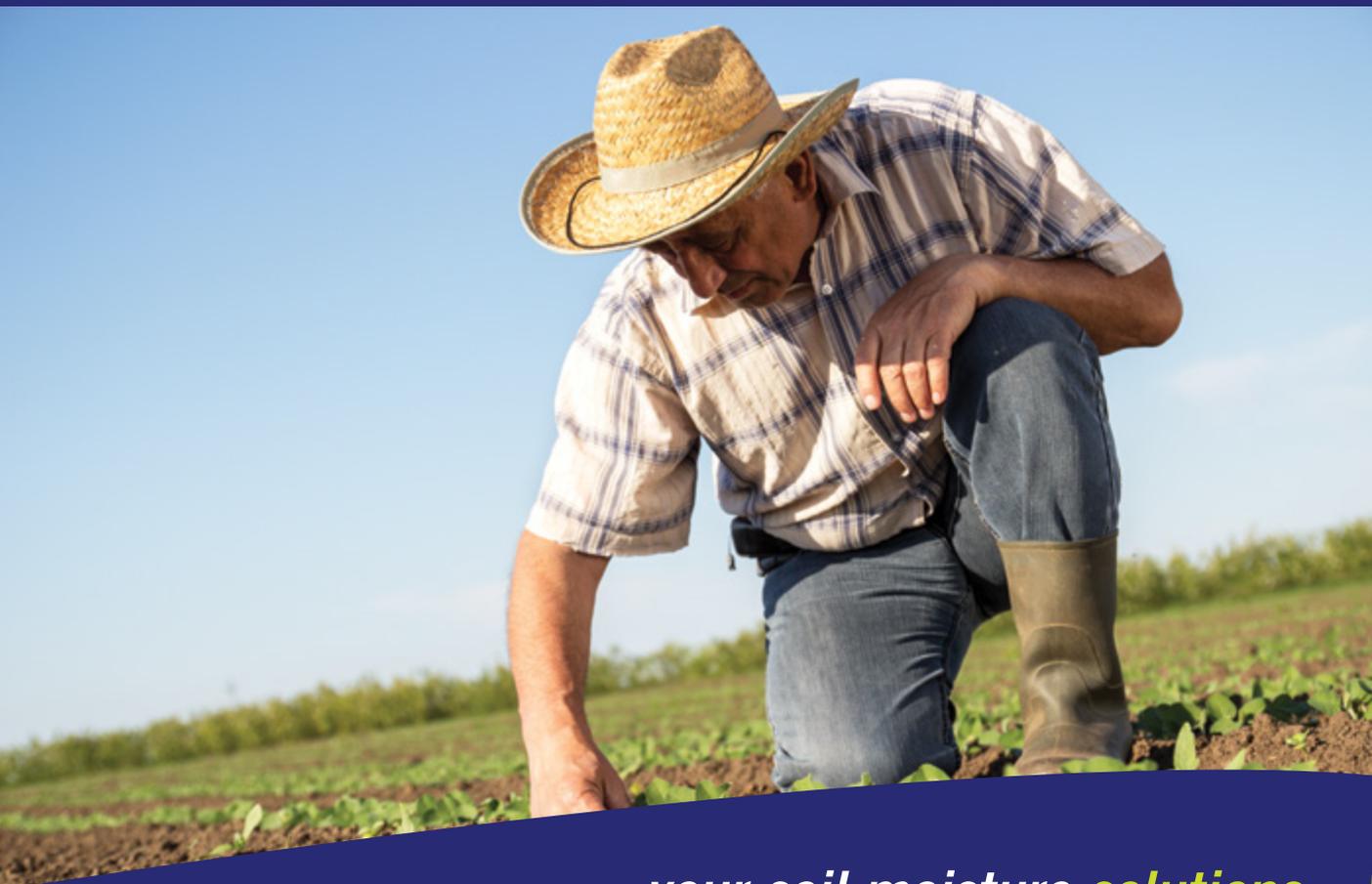
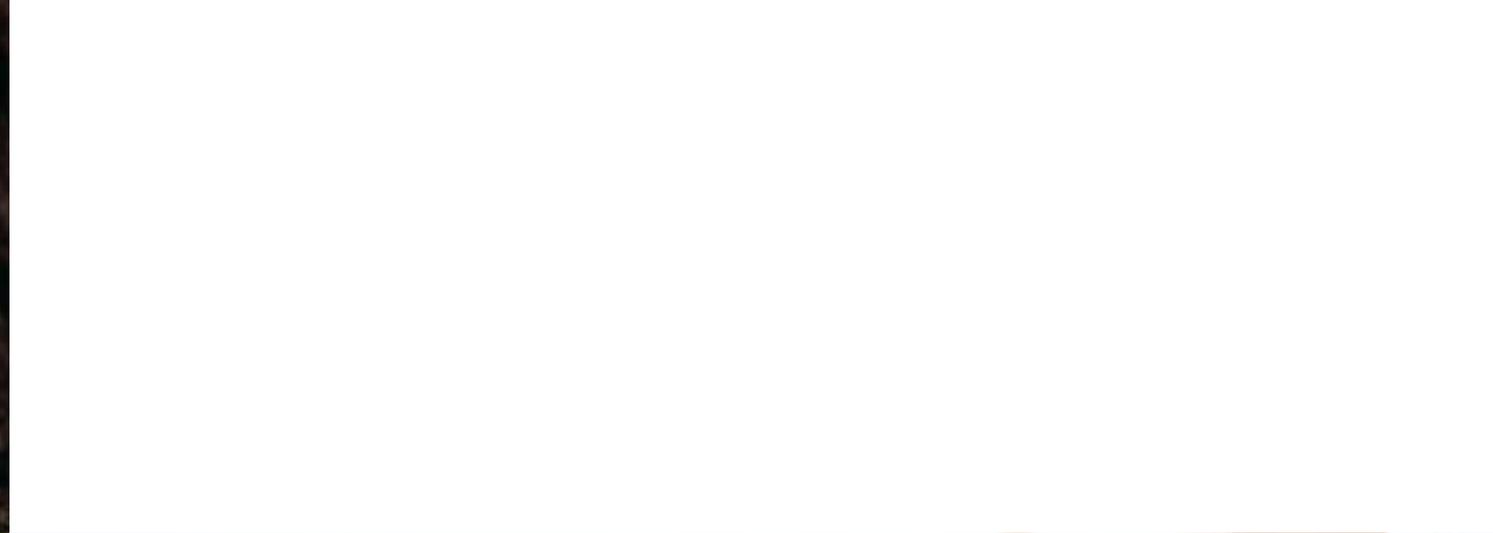


# AquaBoost **AG**

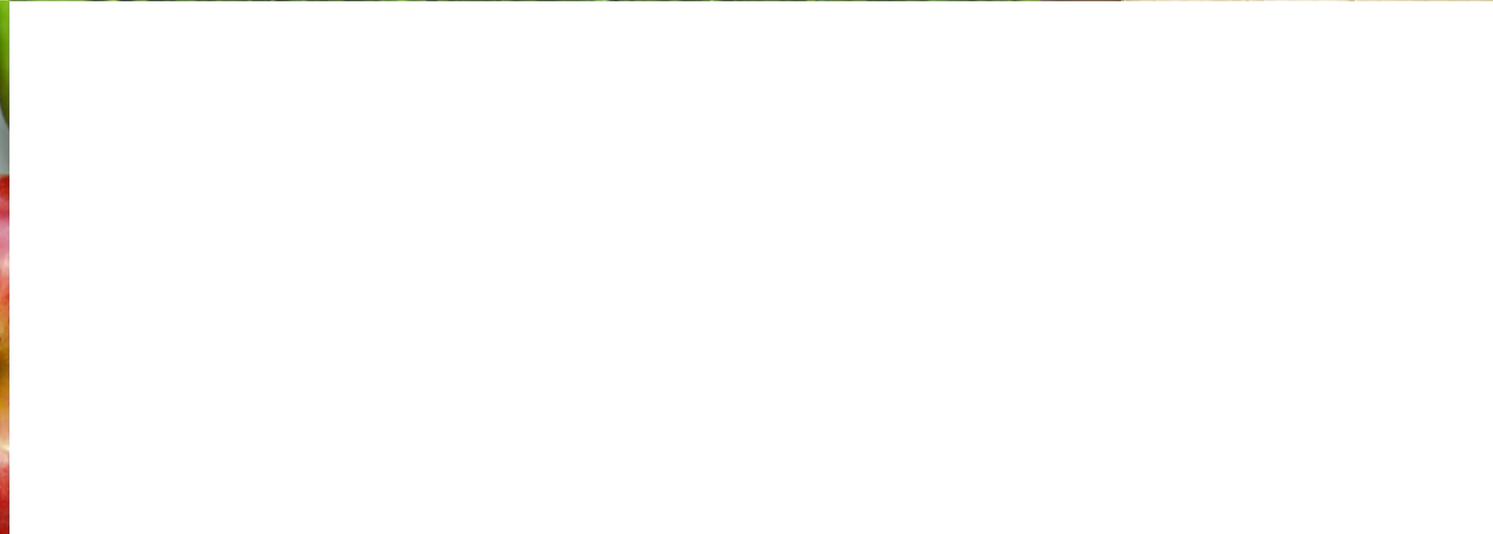
SOIL MOISTURE SOLUTIONS



*your soil moisture **solutions***



***“There is an AquaBoostAG  
formulation for every crop & soil type”***





# AG30 LIQUID

**AquaBoostAG30 Liquid saves water, fertiliser & irrigation costs.**

**Benefits:**

- Promotes lateral spread of moisture
- Slows moisture through the soil profile
- Improves fertiliser efficacy
- Enhances germination, plant health and yield
- Reduces irrigation frequency
- Limits leaching losses of water and nutrients during the irrigation cycle
- Reduces evaporation from the soil
- Decreases plant mortality
- Decreases transplant shock for young nursery plants

**Crop types:**

Agriculture, Viticulture, Horticulture, Broadacre, Vegetables, Lawn and Turf, Land and Streetscape, Silviculture.

**Application rates:**

5 litres per hectare on most crops.

Suitable for all irrigation systems:

Drip, centre pivot, boom spray, overhead/ low sprinklers, flood/ furrow, sub-surface drip and tape irrigation.

**Trial proven in:**

Potatoes, onions, almonds, tomatoes, strawberries, lettuce, olives, cereal crops, pistachios, carrots, wine and table grapes, turf, sorghum, citrus, & many more crops.

**Soil type:**

Recommended for all soils apart from hydrophobic (non-wetting). \*see NWS.

**Product packaging:**

AG30 Liquid is available in:

- 20 litres
- 200 litres
- 1000 litres.



# AG30 FB FULVIC BLEND

**Fulvic Blend: Arguably the most valuable input in biological agriculture.**

**What is AG30 Fulvic Blend (FB)?**

A unique combination of patented anionic polymer and high quality fulvic acid.

The polymers in AG30 FB are proven to improve water penetration and lateral spread in soils and are a food source for soil biology.

Fulvic Acid is the element found in humus, the highly nutritious layer of the earth. Partially decomposed matter is the basis of humus and peat. It is this highly nutritious layer that feeds plants and ensures that they grow strong and healthy.

**How does AquaBoostAG30 FB assist?**

Beneficial microorganisms in agricultural soils are constantly under attack by the toxic residues from herbicides, pesticides, fungicides and the heavy metals from acid treated fertilisers.

Fulvic acids stimulate plants bio chemical and physiological processes to improve growth and development by penetrating the root and leaf cuticle through fertigation and foliar sprays, respectively. Fulvic acid also stimulates plants auxin production and enhances other growth hormones.

**What if I have limited microbial activity?**

Fulvic acid is a microbial promotant and teamed with the linear polymer can increase beneficial soil biology.

- Iron, a poorly transported mineral, is dissolved, complexed and transported into the plant more efficiently.
- Potassium present in large reserves in insoluble form are solubilised and released in the presence of fulvic acid.
- Silica is also solubilised by fulvic acid and water soluble silica performs a role similar to calcium, strengthening cell walls and building brix levels.

**Additional benefits:**

AG30 FB improves brix and drought resistance, root cell division, plant oxygen intake and metabolic processes. AG30 FB Restores plant Health after heat related stress and improves uptake of moisture and nutrients

**Product packaging:**

AG30 FB is available in:

- 20 litres
- 200 litres
- 1000 litres.



# AG30 NWS NON WETTING SOILS

**Specially formulated AG30 NWS improves infiltration, penetration & retention.**

**What are non wetting soils (NWS)?**

NWS are generally soils that do not uniformly wet up. NWS may be hydrophobic (non-wetting), due to sodicity, plant-tree oils, waxy residue from crops such as pastures, legumes or due to very low clay content.

**Will AG30 NWS assist with water penetration?**

Yes, AquaBoostAG30 NWS is a blend of linear polymers designed to reduce the surface tension of water and improve the wetting and penetration of water into the soil.

**AG30 NWS will overcome:**

- Poor water infiltration leading to reduced moisture availability.
- Patchy germination of seeds and emergence of seedlings
- Reduced survival and productivity of crop plants.
- Reduction in the availability of essential plant nutrients.
- Creation of preferential flow pathways.
- Increased overland flow and accelerated soil erosion.
- Excessive power use to apply or pump water.
- Excessive water use to get effective infiltration.
- Uneven wetting patterns.
- Reduced ability of water and oxygen to move through the soil.
- Excessive pooling of water on the surface of the soil.

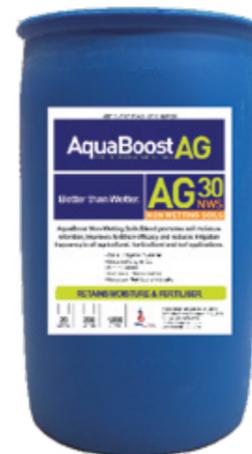
**Additional benefits:**

- Creates lateral movement of moisture.
- Increases nutrient uptake.
- An ability to “harvest” water from either irrigation or rainfall.
- Increases the uniformity of a crop.
- Is specifically tailored to alter soil hydraulics in hard to wet soils.

**Product packaging:**

AG30 NWS is available in:

- 20 litres
- 200 litres
- 1000 litres.





# AG<sup>100</sup> SAP

**Blend with fertiliser, potting media or seed for:**

**Agriculture, Horticulture, Arboriculture, Broadacre, Vegetables, Lawn & Turf and all Tree crops.**

**Benefits:**

- ◆ Increases the moisture available to plants.
- ◆ Provides moisture in times of stress.
- ◆ Aids strong root growth.
- ◆ Significantly decreases mortality rates for young plants.
- ◆ Limits leaching losses of nutrients.
- ◆ Reduces evaporation from soil
- ◆ Improves the soil physical properties through increased aeration.
- ◆ Reduced irrigation requirement frequency.

**Superior performance:**

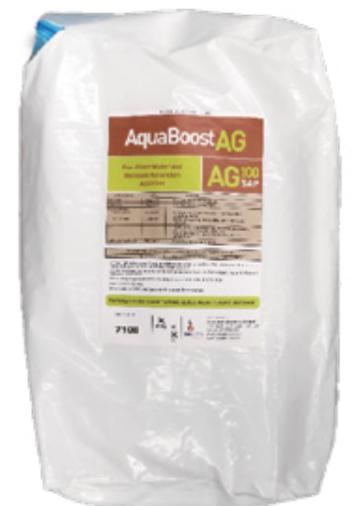
- ◆ AG100 is a super absorbent polymer capable of holding 300-400 times its own weight in water.
- ◆ The 2 kg per Ha rate of product incorporated into the fertiliser band will harvest 600-800 litres of water, which becomes available to the emerging crop.
- ◆ AG100 remains active for 3-5 years, refilling at each rainfall event.

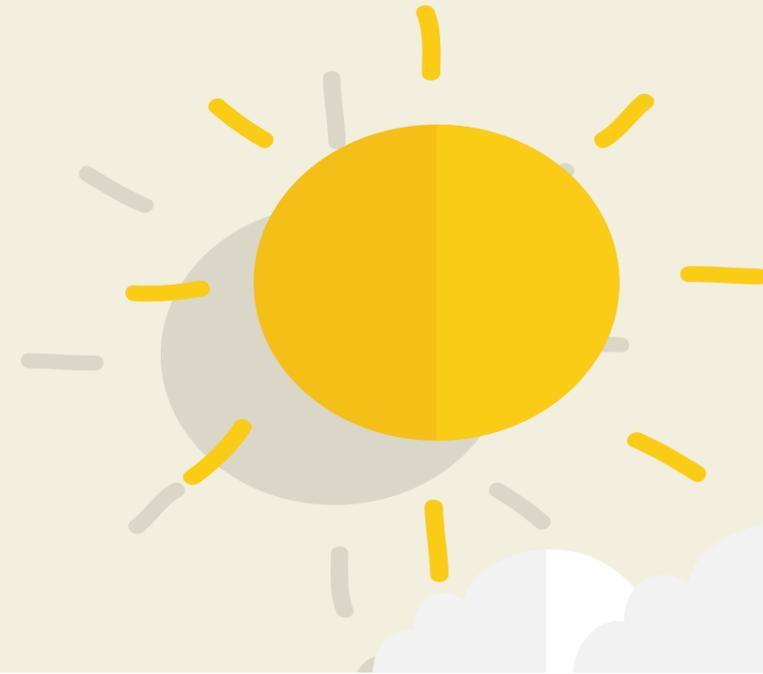
**The science:**

- ◆ AG100 is a cross linked anionic polymer of acrylamide and potassium acrylate. Its performance characteristics include increasing soil and substrates water holding capacity over long periods of time.
- ◆ AG100 granules are characterised by high absorbency and high gel strength. The granules consist of a set of polymeric chains that are parallel to each other and regularly linked to each other by cross linking agents thus forming a network. When water comes into contact with one of these chains, it is absorbed into the molecule structure by the process of osmosis.
- ◆ AquaBoostAG100 has the ability to easily release the absorbed water and nutrients, thereby allowing the plant to have water and nutrients available at will as a function of the absorption release cycles.

**Medium and course granule application:** AG100 is available in medium and course granules to suit differing soil types. The medium granules are for finer soils.

**Product packaging:** 25 kilo bags.





*At BioCentral Laboratories our brands provide real alternatives for customers seeking biodegradable and non-toxic products. As people look to a more environmentally responsible society they see BioCentral as a company focused on water conservation, safety, efficiency and performance.*





**AquaBoost** **AG**  
SOIL MOISTURE SOLUTIONS

W W W . A Q U A B O O S T A G . C O M . A U

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