



AquaBoost **AG**
SOIL MOISTURE SOLUTIONS

Crop Applications



“There is an AquaBoostAG
SOIL MOISTURE SOLUTIONS
formulation for every crop & soil type”

AquaBoostAG
SOIL MOISTURE SOLUTIONS

Apples:

AquaBoostAG applied through irrigation helps maintain an even spread of moisture in the soil profile and limits leaching of nutrients. This moisture availability at stage three, where rapid fruit growth is occurring and during bud formation for the following seasons fruit begins. AquaBoostAG helps ensure adequate soil moisture at this critical stage.

Almonds:

AquaBoostAG applied three times with irrigation during the season ensures that there is adequate water available for the trees and minimal leaching of nutrients from the first irrigation and prior to the critical timings of flowering, fruit set and post harvest. Applied a week prior to harvest allows the trees to be stress free and a dry ground for nut sweeping.

Bok Choy:

AquaBoostAG30 FB applied to speedlings prior to planting along with AquaBoostAG incorporated in the planting fertiliser mixture will minimise transplant shock and encourage a strong root system for moisture and nutrient collection. AquaBoostAG applied through irrigation at the first irrigation and again during the growth cycle will eliminate plant stress during extreme weather events.

Broccoli:

AquaBoostAG30 FB applied to speedlings prior to planting along with AquaBoostAG incorporated in the planting fertiliser mixture will minimise transplant shock and encourage a strong root system for moisture and nutrient collection. AquaBoostAG applied through irrigation at the first irrigation and again during the growth cycle will eliminate plant stress during extreme weather events.

Canola, Cereal, Wheat:

AquaBoostAG30 FB added to liquid fertiliser and trickled onto the seed before the press wheel will reduce volatilisation and hold the moisture and fertiliser close to the seed to aid germination. AquaBoostAG30 NWS applied after the press wheel will help overcome soil water repellence and direct moisture down to the seed.

Carrots:

AquaBoostAG applied in the initial wet up prior to mounding and again at first irrigation and then through the season at critical times in the growth

cycle, seedling emergence, tuber fill and prior to expected extreme weather events to prevent crop stress. AquaBoostAG will limit the leaching of moisture and nutrients.

Citrus:

AquaBoostAG applied through irrigation will ensure an even wetted profile and limit the leaching of nutrients and reduce sodium uptake. Applied at the first irrigation will help to ensure sufficient moisture prior to bud formation and may help prevent fruit split in varieties such as Late Lanes. Moisture and fertiliser leaching is reduced.

Grapes:

AquaBoostAG applied at first irrigation and again through the season has shown improved yields and increases in baume and colour score. Applied prior to critical growth stages ensure moisture availability to limit plant stress during Bud Burst, Bunch hook and veraison. Applied with the post vintage fertiliser helps ensure a good start for the following year.

Lettuce:

AquaBoostAG30 FB applied to speedlings prior to planting along with AquaBoostAG incorporated in the planting fertiliser mixture will minimise transplant shock and encourage a strong root system for moisture and nutrient collection. AquaBoostAG applied through irrigation at the first irrigation and again during the growth cycle will eliminate plant stress during extreme weather events.

Olives

AquaBoostAG applied through irrigation will ensure an even wetted profile and limit the leaching of nutrients and reduce sodium uptake. Applied at the first irrigation will help to ensure sufficient moisture prior to flower formation, prior to fruit set and with post harvest fertigation. Use AquaBoostAG to reduce sodium uptake and to reduce stress during extreme heat or frost events.

Pistachios:

AquaBoostAG applied through irrigation will ensure an even wetted profile and limit the leaching of nutrients and reduce sodium uptake. Applied at the first irrigation will help to ensure sufficient moisture prior to bud burst and prior to fruit set and with post harvest fertigation. Use AquaBoostAG to reduce sodium uptake and to

reduce stress during extreme heat or frost events.

Pomegranates:

AquaBoostAG applied three times with irrigation during the season ensures that there is adequate water available for the trees and minimal leaching of nutrients from the first irrigation and prior to the critical timings of flowering, fruit fill and post harvest. Use AquaBoostAG to reduce sodium uptake and to reduce stress during extreme heat or frost events.

Onions:

AquaBoostAG applied in the initial wet up prior to planting and again at first irrigation and then through the season at critical times in the growth cycle. A light dose applied to create humidity around the leaves will help onion size and consistency. AquaBoostAG will limit the leaching of moisture and nutrients.

Potatoes

AquaBoostAG30 NWS should be applied immediately post discing, followed by AG30 FB pre/during and post emergence in order to ensure a full moisture profile in the bank, increased nutrient uptake and root stimulation.

AG30 NWS or FB should be applied pre knockdown in order to increase and maintain sub soil moisture and root activity while the surface plant tissue is being chemically desiccated.

Tree planting

Seedlings or tube stock should be well watered with a mix of AquaBoostAG30 (NWS or FB) 3-5 days prior to planting. This ensures the seedlings/tube stock have sufficient moisture when planted. Young trees should be planted in a slurry of AquaBoostAG100, AquaBoostAG30 FB and water. The granules are mixed until they are filled with water (they will look like transparent jelly) and the slurry added to the hole prior to planting the tree and holds it near the tree.

If you do not see your crop listed here, please ask your AquaBoostAG Technical Representative about which AG formulation is right for you.



“Boost production this season with AquaBoostAG”

EXAMPLE TECH SHEET | ONIONS Yield and Crop Quality Improvement

Improves: Fertiliser efficacy
Crop yields
Size and quality
Germination rates

Reduces: Irrigation water use
Crop power use
Plant sodium uptake
Plant rejects
Plant mortality

Saves water
AquaBoostAG changes the soil hydraulics and slows the infiltration of moisture through the soil. This change of action has been trial proven to benefit the Grower with a 25% reduction in the amount of water normally applied to a crop.

Energy Savings
The reductions (shown above) in water applied, provides carry over benefits in a reduction of energy required to irrigate. In a centre pivot on hydrophobic sands the addition of AquaBoostAG30 NWS (non-wetting sands) to the initial “wet up” irrigation reduced the normally required three rotations of the pivot back to only two. Further application during the season saved on average, two rotations of the pivot per week. The approximate cost of diesel to turn a centre pivot one rotation of a 36ha crop is \$800. The outlay for the product @ 5 litres/ha is \$792.00. Cost neutral but the benefits of applying the product are on going for up to 12 weeks.

Increased Moisture Availability
The wetting and drying cycle associated with normal irrigation patterns is reduced. The drying phase can cause stress to developing plants/crops and increase soil sodium levels. The lateral spread of moisture created by AquaBoostAG keeps moisture available to the plant and improves availability of moisture through the critical growth stages (pre emergence,

cotyledon, bulb formation and bulb thickening). AquaBoostAG is also an aid to help reduce sand blasting of emerging plants and increasing humidity around the leaf tissue, critical for onion bulb size and consistency.

Improved Fertiliser Efficacy
With onions being a shallow rooted crop the increased moisture being held in the root zone provides the crop extended access to moisture and the water soluble nutrients now available. Ensuring that nutrients are present during the critical growth stages of emergence and bulb formation.

Reduced Sodium Uptake
AquaBoostAG has repeatedly trial proven to significantly reduce the sodium and chloride intake by plants.

Reduces Plant Stress
By maintaining available moisture to the crop prior to expected periods of weather that could cause plant stress (high temperatures, hot winds or frosts) the plant stress is significantly reduced. AquaBoostAG **will not** cause phytotoxicity.

Moisture Monitoring
The use of moisture monitoring systems provide an indication of the movement of moisture through the soil profile. It clearly shows that the use of AquaBoostAG in an irrigation regime will significantly slow the movement of moisture, reduce the leaching of nutrients and show the water savings being achieved.



Application Instructions

CROP	PRODUCT	RATE	APPLICATION	COMMENTS
Agriculture Viticulture Horticulture Broadacre Vegetables Lawn & Turf Land & Streetscape Silviculture	AG30 AG30 NWS AG30 FB	5L/ha	Please see your Aqua-BoostAG Technical Representative for information regarding application for your crop.	The application programs for AquaBoostAG are indicative of the critical timings for crop water requirements. They can be adjusted to suit individual production system requirements. Use freely at any time you require increased fertiliser efficacy and water holding capacity. AquaBoostAG can be introduced to “harvest” rainfall during dry winters. AquaBoostAG can be introduced prior to periods of extreme heat to minimise plant heat stress. AquaBoostAG has been trial proven to reduce plant sodium uptake. AquaBoostAG slows the leaching of water and nutrients by promoting the lateral movement of moisture through the soil.



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