



AquiMax[®]

Soil Moisture Management

**THE NEW GENERATION
WATER AND STRESS MANAGEMENT TOOL**



MOISTURE-HOLDING POLYMER & SOIL SURFACTANT

AquiMax is a patented soil amendment that aggregates and retains soil moisture in the applied zone for prolonged periods versus irrigated water alone.

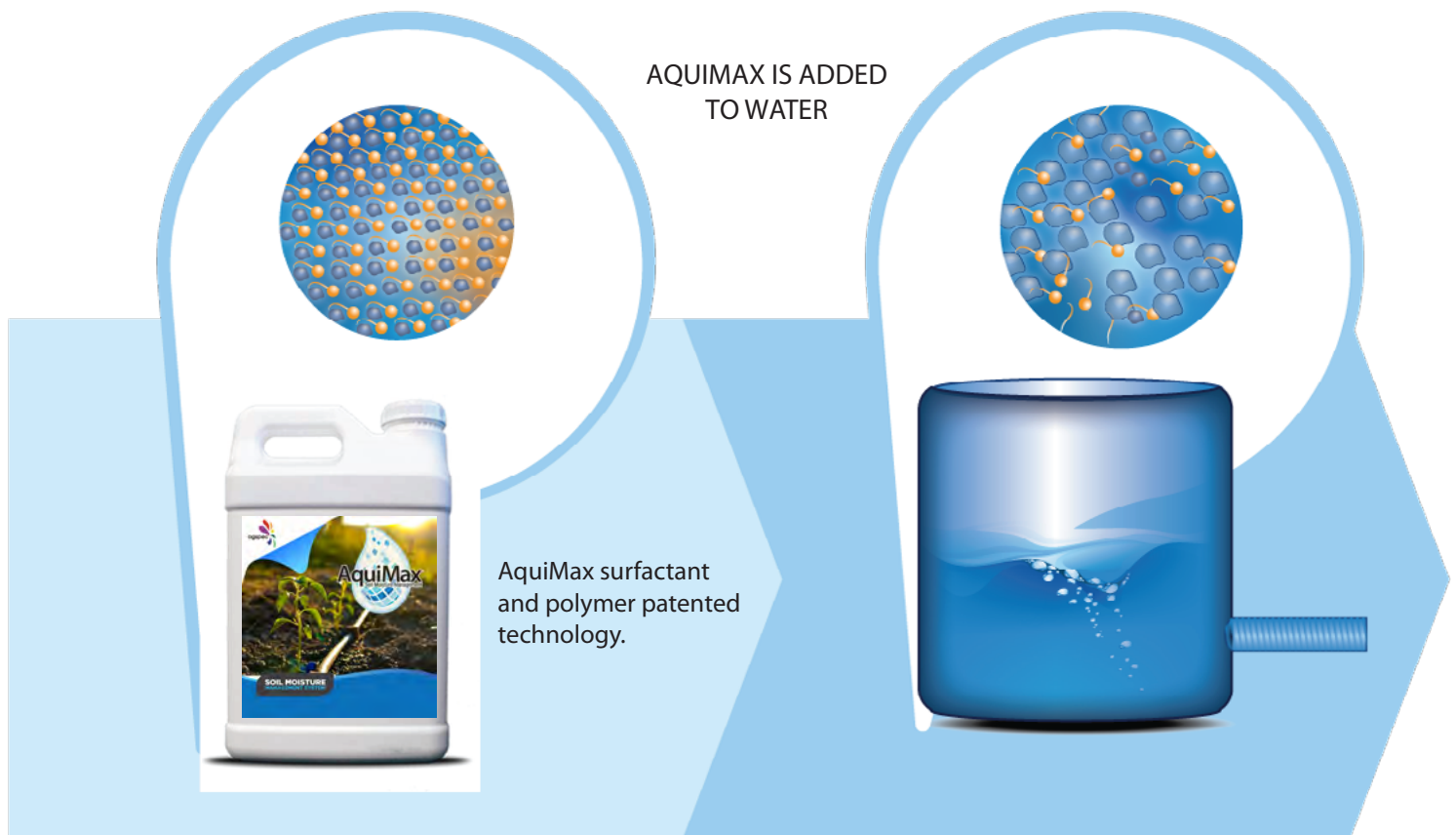
Apply AquiMax to the irrigation mixing tank and distribute it through the system in a typical irrigation cycle. AquiMax moves effortlessly through the irrigation system and readily soaks into the applied area. Allow sufficient time to wet the irrigated zone and allow for a flushing cycle towards the end of the irrigation shift.

Moisture-Holding Polymer:

- ▲ Moisture holding capacity
- ▲ Oxygen exchange in soil
- ▲ Soil particle agglomeration
- ▼ Leaching potential
- ▼ Soil erosion potential

Soil Surfactant:

- ▼ Surface tension of water
- ▲ Vertical and lateral moisture uniformity
- ▲ Water penetration into the soil
- ▲ Increase ▼ Decrease



1. AquiMax is formulated with Micro-Inversion Technology (MIT), which forms micro-vesicles that trap and encapsulate water and nutrients.

2. The combination of Aquimax and water, injects readily into Irrigation systems

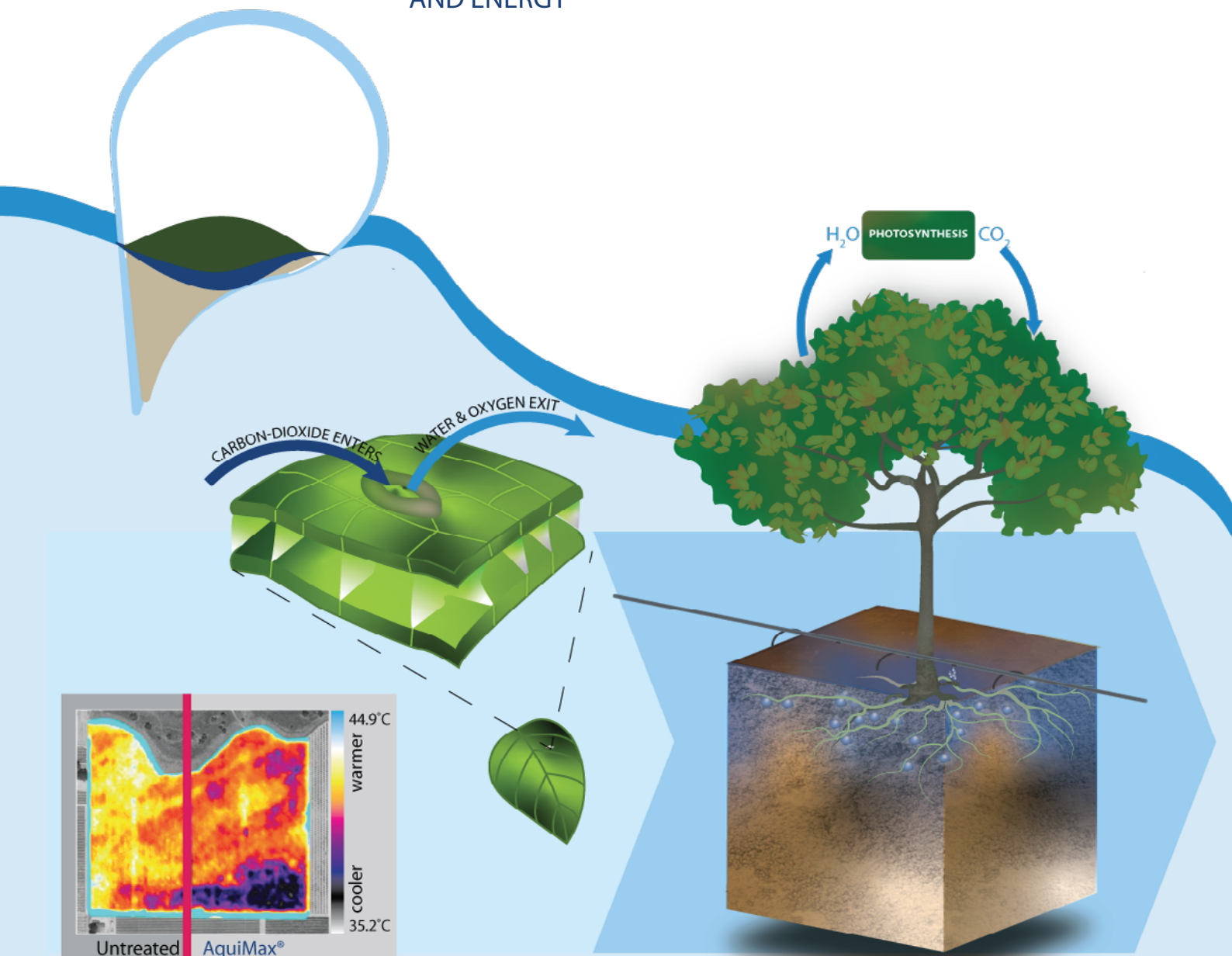
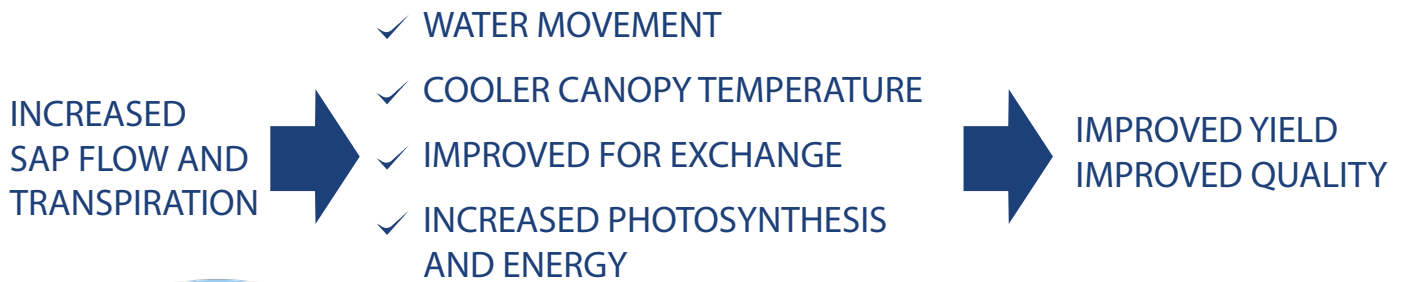


How is AquiMax® Different?



How AquiMax® Works?

AQUIMAX- PATENTED INJECTABLE MICRO-INVERSION TECHNOLOGY (MIT)



3. Aquimax in the irrigation system showing the canopy cooling effect.

4. Soil dispersing agent contained in the Aquimax formulation, evenly distributes the water retaining polymer in the Rhizosphere



Infiltration Rate and Nutrient Retention

AquiMax Improves Water and Nutrient use efficiency.

35 %
SLOWER SOIL DRYING

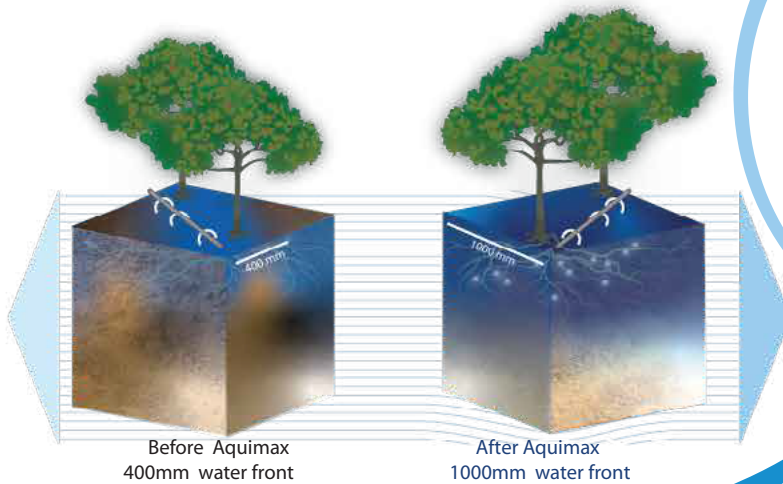
30% INCREASED
WATER-USE EFFICIENCY

INCREASED
PLANT-AVAILABLE WATER

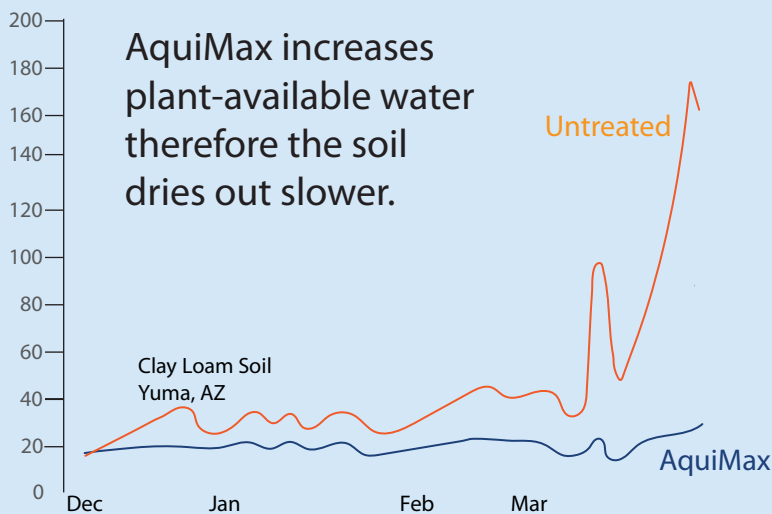
IMPROVED
NUTRIENT-USE EFFICIENCY

AquiMax increases plant available water in the applied zone by as much as 30%. Soils treated with AquiMax dry up to 35% slower and are less prone to water and nutrient leaching. Growers have the advantage of optimizing their irrigation water while at the same time maintain and improve yield without compromising quality.

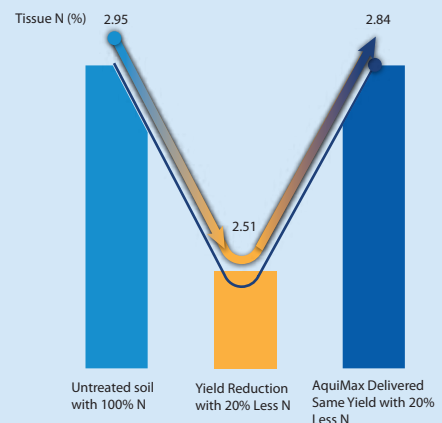
Soils treated with
AquiMax dry slower,
which allows plants
additional time to take
up water and nutrients.



Soil Tension
(centibars)



AquiMax Increases Nitrogen-Use Efficiency



Lateral Water Spread

AQUIMAX

FOR MAXIMIZING CROP PRODUCTION

Crop production improves significantly when 2 primary considerations are addressed:

- ▲ THE OPTIMAL IRRIGATION PLAN
- ▲ THE CONTINUOUS PRESENCE OF NUTRIENTS THROUGHOUT THE GROWTH PERIOD

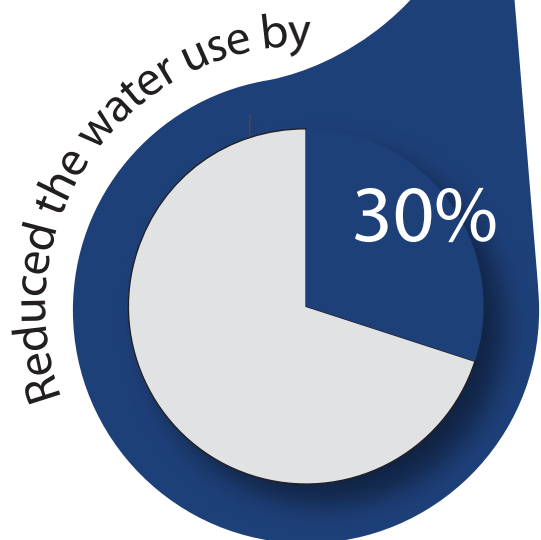
AquiMax maintains soil moisture and provides nutrients in optimal amounts at the right growth stage.

- ▼ AquiMax reduces the use of water resources up to 30%, lowering the cost of production.

- ▲ AquiMax maximizes nutrient use and reduces the cost of fertilisation.

Long term effects

- ▲ AquiMax prevents soil deterioration and enables sustainable crop production.
- ▼ AquiMax reduces the leaching potential of mobile nutrients, diminishing the effects of nutrient eutrophication in waterways.



PRODUCT APPLICATION

RATE AND TIMING*

Application rate:

1 to 3 L/ha

Total per growing season:

up to 7 L/ha

Reapplication Interval:

Apply 1-3 L/ha 2-3 applications per season

Use lower rates for finer-textured soils.

Apply before important physiological stages (e.g., transplant, flowering).

Apply before the onset of heat and water stress.

Apply 1 to 2 days before fertiliser applications to improve nutrient use efficiency.

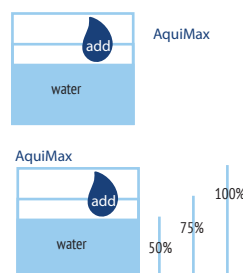
*Refer to the Aquimax label for more detailed information on application and rates. **Always read the label before use.**

PREPARING AQUIMAX

When pre-mixing with water, always use Aquimax to water ratio of 1:100 where possible. Never lower than the ratio of 1:20.

Good agitation is required when mixing Aquimax with irrigation water.

ORDER OF ADDITION: always fill the mixing tank to half full with water, then add Aquimax. Never add Aquimax to an empty mixing tank when pre-mixing with water.



AQUIMAX APPLICATION

Stream type agitation is the desired method. Aquimax is not intended for application with ground spray equipment and should not be tank mixed with any other product.

Aquimax may be delivered via pivot, linear, sprinkler or drip irrigation systems.

Calibrate the chemigation pump flow rate prior to application according to the equipment manufacturer's directions or through visual flow volume reduction.

Centre Pivot Applications:

Apply Aquimax in at least 1-10 mm of irrigation to

ensure Aquimax is distributed into the soil. Aquimax is NOT effective on foliage. After the application, clean the injection pump with water.

Drip and Micro-jet Sprinkler Applications:

Apply Aquimax during the first half of the irrigation cycle.

After Aquimax has been applied, wash the injection pump with water and complete the irrigation cycle to wash remaining product out the lines and thoroughly water Aquimax into the soil with at least 2 mL of water.

FERTILISER COMPATIBILITY

The best way to incorporate Aquimax into fertilisation programs is to apply Aquimax 1-3 days prior to fertiliser applications.

Aquimax can be injected in-line with many fertilisers if the products go through separate chemigation pumps. There are no compatibility issues when Aquimax mix in the irrigation line. Do not mix with iron sulphate or high concentrations of fertilisers (not >1%).

Aquimax is an oil-based product and will phase out when mixed with water-based fertilisers without agitation. If Aquimax and fertilisers are pre-mixed before injection, it must be done with sufficient agitation. Always jar test prior to full-scale applications.

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