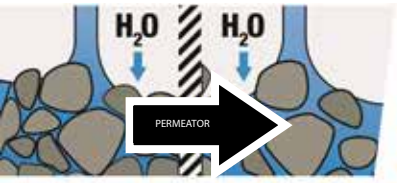
Permeator® Soil conditioner

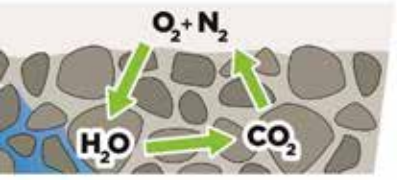
Soil Moisture Management Technology

Permeator is designed to improve soil conditions to accelerate and increase feeder root development, improve plant growth and ultimately increase yield.



1 IMPROVE H_2O PENETRATION AND SOIL TILTH

Proven to help water penetrate deeper and uniform distribution. PERMEATOR reduces water agglomeration around compacted soil areas which can lead to disease pressure and reduced yields.



2 IMPROVES SOIL AEROBIC CONDITION

PERMEATOR allows water to penetrate a larger area, thereby displacing more CO2 which is then replaced with Oxygen and Nitrogen. Microbes and roots are then able to use the available Oxygen and Nitrogen. The improved soil conditions allow this cycle to continue.

3 INCREASES FEEDER ROOT DEVELOPMENT

The improved hydraulic conductivity and an increase in aerobic function in soil result in explosive feeder root growth. The increased surface area and root mass of the feeder roots exponentially increases the root / soil / nutrient contact surface area.

4 OPTIMIZES NUTRIENT UPTAKE & H_2O TRANSPORT

The increase in root surface area optimizes the uptake of water and nutrients such as N, P, K, Zn, Ca, Fe, Mg, and Mn from the soil. This increase has demonstrated the ability to reduce plant stress, accelerate canopy expansion, improve crop mature uniformity and increase yields.

STIMULATES MICROBIAL ACTIVITY

The higher aerobic levels increase microbial activity, which leads to enhanced nutrient cycling and solubilization efficacy and future water utilization. Additionally, properly aerated soils hosts fewer moiture related root diseases, such as phytophthora.

APPLICATION METHODS

PERMEATOR can be applied via:

› Irrigation › Chemigation › Boom Sprays › Aerial Application › In-Furrow

FINANCIAL BENEFITS

Application of PERMEATOR can effectively help with:

› Reduce Water Use › Lower Electric Pumping Costs › Improve Water Efficiency › Increase Yield

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