

# LESS WATER...MAXIMUM YIELDS!

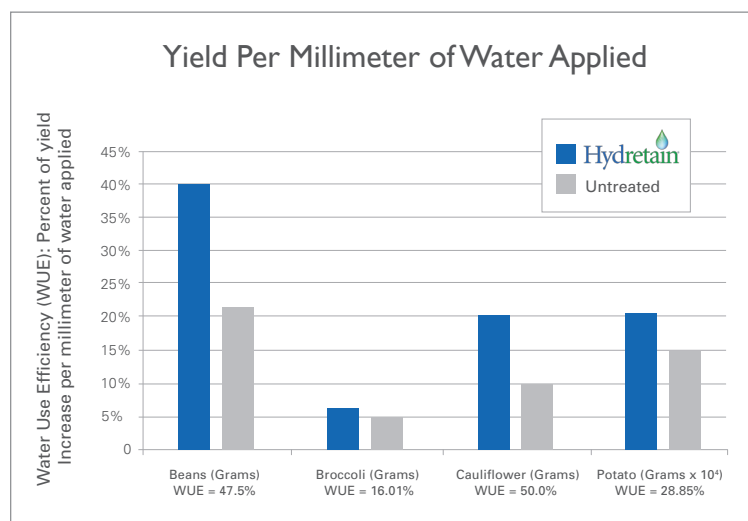


## WATER IS ONE OF THE MOST SIGNIFICANT FACTORS TO AFFECT CROP YIELDS ACROSS THE GLOBE.

Rising costs, increases in the frequency and intensity of drought cycles and limited water availability pose an increasing challenge to small and large farmers alike. Periods of low moisture can cause plants to shut down internal processes resulting in lower crop yields and weaker plants, which are more susceptible to opportunistic diseases and pests.

**Hydretain is a unique solution for soil moisture management that reduces evaporative loss and increases water availability to the plant.**

Not a wetting agent or superabsorbent polymer gel, Hydretain is a proprietary formulation of hygroscopic humectants that attract and collect water vapor molecules to form plant usable water droplets. This process maximizes water availability to the plant, allowing growers to produce more while using less. Furthermore, by increasing soil moisture availability, Hydretain also helps maintain channels of solubility to improve nutrient uptake and the performance of plant health care products.



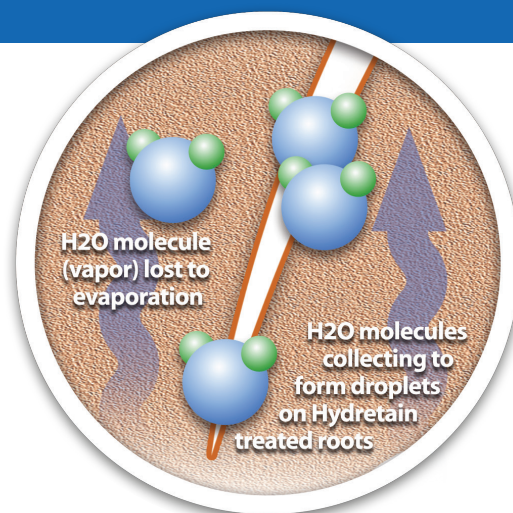
## BENEFITS OF SOIL MOISTURE MANAGEMENT

- Reduce Water Use & Irrigation Costs
- Maximize Crop Yields Where Water is Limited
- Maintain Crop Yields with Less Water
- Eliminate Dry Areas and Improve Moisture Uniformity
- Faster Germination and Seeding Development
- Improve Transplant Establishment
- Delays Wilt and Speeds Recovery
- Helps Plants Withstand Biotic & Abiotic Stresses
- Minimize Dependence on Poor Quality Water
- Enhances the Performance of Nutrients and Plant Health Products

# REDUCE WATER USE WITH HYDRETAIN®

## HOW HYDRETAIN WORKS

The Hydretain formula contains a proprietary liquid blend of hygroscopic humectant compounds. Once applied, Hydretain penetrates into the soil, creating a subsurface film which acts like tiny “water magnets” to attract moisture vapor and form microscopic droplets on plant roots and soil particle surfaces. As these droplets move into the plant through the normal process of osmosis, the Hydretain treatment remains in place, continually seeking and managing moisture, which would otherwise be unavailable for plant use.



## SAFE & EFFECTIVE FOR ALL TYPES OF PLANTS

Hydretain is a biodegradable, environmentally friendly solution for soil moisture management. It is not species specific and can be used at any stage of the plants life cycle including seed germination. Hydretain effectively reduces the watering requirements of all types of plants including turfgrasses, trees, ornamental shrubs and flowering plants, as well as food and fiber crops. It can be used in greenhouse and field growing operation. In addition to reducing watering requirements, Hydretain improves nutrient uptake and aids in the colonization of beneficial soil flora and fauna.

### Ideal for:

- High Value Fruit and Vegetables Crops
- Specialty Crops
- High Water Use Crops
- Areas of High Water Cost or Limited Water Availability
- Fruit, Nut and Other Tree Production
- Sod & Ornamental Crop Production

## APPLICATION

Hydretain can be applied at seed germination, transplanting or as part of a regular maintenance program. It is available in both concentrated liquid and granular formulation and is versatile for various application methods including:

- Drip, Spray or Drench
- Broadcast
- Injection / Fertigation
- Topdressing, Sidedressing, or Banding

## GENERAL APPLICATION RATE

**Liquid:** Apply 1 – 3 Gallons of Hydretain concentrate per Acre (9-28 Liters / Hectare). Concentrated Hydretain should be diluted prior to application. Dilution rates may vary depending on application equipment and technique.

**Granular:** Apply 40 to 120 lbs of Hydretain granular per Acre (45-135 kg / Hectare)  
*Each application last for up to 3 months.*

### CHILI PEPPERS IN SOUTH AFRICA



TREATED WITH HYDRETAIN®

UNTREATED



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To learn more about Hydretain or to speak with a customer service representative, call 352-620-2020 or visit us online at [www.hydretain.com](http://www.hydretain.com)

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