



QUENCH™

HOW IT WORKS

UNIQUE COMPOSITION PROMOTES HEALTHY MICROENVIRONMENT

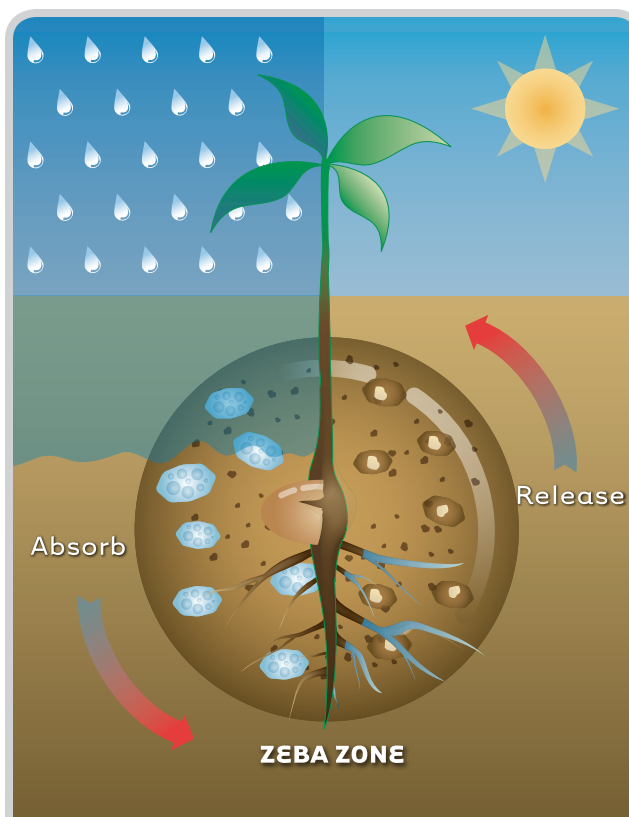
Quench is a unique starch-based superabsorbent product, providing increased moisture availability to plants.

Quench is biodegradable, nontoxic and odorless. As a starch-based product, it is made up of glucose molecules, which are linked together chemically to become a water-insoluble, net-like matrix that holds and releases water and nutrients for use by plants as needed.

The immense size and weight of its molecular structure sets Quench apart. These anionic units are able to absorb up to 400 times their original weight. The Quench granules slowly release just the right amount of encapsulated moisture in response to plant root suction. The granules easily rehydrate and store more water as moisture enters the soil. This process is repeated hundreds of times over a year or more before Quench loses effectiveness.

Quench maximizes plant growth by absorbing and releasing soil nutrients, water-soluble fertilizer and chemicals in the same manner as water, creating a healthy microenvironment in the plant root zone. The result is faster germination, quicker emergence, of seeds, consistent growth and higher, better-quality yields of edibles with less water and fewer inputs.

Likewise, ornamental plants will perform better with the release of water on demand and improved utilization of fertilizers.



As more water enters the soil, Quench repeatedly hydrates and releases captured moisture, on demand, as plants need it for a year or more.