Product Terminology

Action

The physical structure in AmeriZorb Throw & Go products facilitates movement and even distribution of fluids throughout the filter mass. This means water/nutrients/contaminants attempt to balance throughout the filter mass.

Capillary Action

Throw & Go products are comprised of a peat moss with spongy characteristics. This medium is filled with very small pores called capillaries. Nutrients and water added to the soil is aggressively pulled into these capillaries. The carbon content of the fiber allows hydrogen bonding to take place. Nutrients remain attached on the cell for later disposal which in turn minimizes leaching and increases the plants ability to convert nutrients into
energy. (Secondary contamination)

Hydrogen Bonding

As capillary action pulls the nutrient into and onto the cell, hydrogen bonding is occurring. This links the nutrients to the cell with a low energy chemical bond. The quality of Throw & Go products is enhanced by the sheer number of bonding sites available in the filter mass.

Cation

Sites available on a cell for bonding to occur. The higher the cation number the more effective the cell is in holding nutrients.

Terminology

Absorption: To take something in through pores or interstices.
Adsorption: To take up a substance onto the surface of the solid.
Capillary Absorption: Ability to pull solution into capillary storage.
Channeling: Fluid finding a path of least resistance and following itself.
Equilibration: Ability of products to absorb liquid and distribute them evenly through the filter mass.
Filter mass: Area within a container where the roots of a plant might grow.
Leaching: Loss of nutrients or contaminants due to external forces carrying it away from the filter mass. (rain, watering, traffic and etc.)
Secondary contamination: Result of leaching nutrients or contaminants harming environment by leaving filter mass after application or absorption.
Transference: Movement of solution to area of demand.Tortuosity: Movement of solution through a mass of multi broken fiber. Solution is forced to make many turns to pass around and through the filter mass.
Tortuosity: Movement of solution through a mass of multi broken fiber. Solution is forced to make many turns to pass around and through the filter mass.