

[Super absorbent polymer \(SAP\)](#) is a high molecular polymer with strong water absorption. After filled with water, SAP will release the water slowly to roots when soil is dry, and repeatedly absorb water when rain to keep the plant with plenty of water, SAP has the capacity of absorbing 300-400 times of water, and it can save 65%--95% of water. It is mainly used in agriculture plants.

Characteristics:

- \* Potassium based
- \* Functional polymer, swells to a gel upon contact with aqueous fluids.
- \* Nontoxic, no residue, can absorb and release water repeatedly.
- \* Enhance soil's water-absorption, water-holding and nutrient preserving capability.
- \* Increase soil structure, increase soil's water absorption & soil moisture.

