



SOIL WATER TRAP

SOIL WATER TRAP, It is easy to use, superb water absorber (can absorb water up to 600 times its volume) soil additive. It is a polymer manufactured especially for frequently irrigated and high water consumption locations, gardens, glasshouses, and landscaping works. With this polymer that holds rain and irrigation waters in its body and absorb 600 times of its volume, the water is held before it drains off the soil and constitutes a natural and long term water tank base for plants and trees.

ISONEM SOIL WATER TRAP FEATURES

- It is mineral-based and one component.
- 1 g has the capacity to hold 600 times water.
- When water enters it expands and becomes a gel.
- It stays in the soil actively for approximately 4 years
- Minimum 1 hour of watering is enough for swelling of the polymer.
- It does not freeze until -60°C.
- Application depth is between 7 cm -1 m.
- It decomposes in the soil at a rate of %10 - 15 per year.
- Once its job in the soil is done it returns to nature.

ISONEM SOIL WATER TRAP ADVANTAGES

- Increases soil porosity and reduces soil incrustation.
- Keeps the soil humid at all times.
- Reduces the evaporation of the water in the soil.
- It reforms the soil structure and prevents erosion.
- Protects surface and underground waters from pollution.
- Provides plant growth in very hot and dry climates.
- Reduces irrigation, worker, fertilizer and seed costs.
- Provides %50-%70 savings in water consumption.
- Prevents the damage caused by over-fertilization.
- Reduces fertilizer consumption by %50.
- Seasonal conditions are not required for forestation.
- Prevents the death of sprigs and seeds under the soil during winter. (-60 C).
- Protects the environment.

USAGE AREAS

- Sapling planting, seedling production
- Application on existing trees
- Strawberry production, melon, watermelon, gourd applications
- Field agriculture (Grains, beet, corn, cotton, sunflower, potato, beans, etc.)
- Grassland and landscaping applications
- Floriculture
- Pot floristry, clover, and feed plants applications
- Mushroom production and a root dipping method

TECHNICAL SPECIFICATIONS

Color : Yellowish crystal powder

Product consumption :

3 g/root	strawberries
8-10 g/root	melon-watermelon
5 kg/1000 m ²	plantation agriculture
40 kg/1000 m ²	clover and feed
600 g/m ³	mushroom
60 g/mt	length floriculture
1,5 g for 5 L	pot plants
35 g/mt	length grapery and olive

PACKAGING & STORAGE

- **Packaging** : 1 kg or 5 kg PP Bucket
- **Storage temperature (°C)** : 5 - 35°C
- **Shelf life** : 24 months from date of production if stored in original, unopened, undamaged packages.
- **Storage condition** : Store tightly closed in a dry and cool place.



! IMPORTANT

It should be used under the ground, the product does not have UV resistance on the ground.

APPLICATION CONDITIONS and RISKS

Things to consider during and after the application	Application depth is between 7 cm - 1 m.
Other ISONEM products recommended	X
Application temperature	It should be applied between (-60) - (+70) °C.

General Features



Environmentally Friendly



Saving on water

