

Agriculture/Lawn & Garden

Medium size polymer is recommended for most horticultural applications.

Each pound of polymer is about 2.25 cups or 110 teaspoons.

Beneficial to the Environment

With an essentially neutral pH, WaterGelCrystals super absorbent polymers will break down into nitrogen, carbon dioxide and water with no residual toxicity.

Save on Water and Fertilizer

WaterGelCrystals will reduce your irrigation needs and frequency in as much as 50% as well as retain your applied fertilizers and nutrients for plant use.

How much water does it store and release?

Research shows that WaterGelCrystals super absorbent polymers can release up to 95% of the water absorbed and make it available to the plant. Remember that 1 pound of WaterGelCrystals can absorb 40 gallons of rain water or 31 gallons of tap water.

Pots/Containerized

Mix **medium** polymer thoroughly into media at the following rates:

1 Gallon	1/3 oz.
2 Gallons	1/2 oz.
3 Gallons	3/4 oz.
5 Gallons	1 oz.
7 Gallons	1 1/2 oz.
10 Gallons	2 oz.
15 Gallons	3 oz.
20 Gallons	4 oz.
25 Gallons	5 oz.
30 Gallons	6 oz.
35 Gallons	7 oz.
50 Gallons	8 oz.
65 Gallons	9 oz.
100 Gallons	12 oz.
200 Gallons	20 oz.
400 Gallons	36 oz.

Forestry

Effective reforestation programs depend on high survival rates of trees and shrubs. WaterGelCrystals reduces the effects of transplant shock and temporary drought on new trees and shrubs, and helps to control leaching and water run-off.

Bulk Soil

Medium polymer. Mix thoroughly into media at a rate of 4 tsp. per cubic foot.

Landscape & Turf

Our polymer is especially effective in reducing the stresses on transplanting of plants and grasses. WaterGelCrystals reduces the frequency of watering and fertilization of sod and landscape plants.

Planting Beds

Use **medium** polymer and Mix ½ of the polymer throughout planting hole, before planting. Mix remaining polymer crystals with the backfill.

1 sq. ft. 1" depth	1 1/2 tsp.
1 sq. ft. 3" depth	2 tbsp.
1 sq. ft. 6" depth	3 tbsp.
100 sq. ft. 1" depth	1 lb.
100 sq. ft. 3" depth	3 lbs.
100 sq. ft. 6" depth	6 lbs.

Hydro-mulching

Use **medium** polymer at a rate of 5 lbs. per acre. Pour slowly into the tank before adding fertilizer.

Established Lawns

Use **medium** polymer crystals. The polymer must be tilled into the soil. Polymer crystals should not be applied to the surface of an existing lawn.

Grassing/Sodding

Use **medium** polymer. Broadcast dry with drop seeder before sodding. Work into the soil 2-6 inches at a rate of 4-5 lbs. per 1,000 square feet.

Boxed Trees

Use **medium** polymer. Mix 1/2 of one of the below rates throughout planting hole and then amend the backfill with the remaining 1/2.

24"	6 oz.
30"	9 oz.
36"	12 oz.
48"	16 oz.

Bare Root Transplants

Use **Fine Powder** polymer. Dip or spray roots in hydrated WaterGelCrystals. Incorporate dry WaterGelCrystals into the soil that is to be placed back in the hole.

Hydrate WaterGelCrystals' Fine Powder Polymer at the following rates

- 1/4 tsp. per 1 cup of water
- 1 tsp. per 1 quart of water
- 4 tsp. per 1 gallon of water
- 1 lb. per 25-40 gallons of water

Fine Powder Polymer is available by calling WaterGelCrystals 1(888)659-2710 toll free