

#### CONTENT ANALYSIS

Active ingredient: 88% Starch-g-poly (2-propenamide-co-2-propenoic acid) potassium salt

Inert ingredient: 12% Water

#### CONTAINS NON-PLANT FOOD INGREDIENT

**CAUTION:** Powdered material may form explosive dust-air mixture. Use in well ventilated areas. For emergency transportation information call Chemtrek at 800-424-9300.

#### GENERAL INFORMATION

Zeba® is a biodegradable, non-toxic, starch-based superabsorbent polymer. It is designed to rapidly absorb and maintain moisture in the root zone, releasing moisture to plants as needed.

#### STORAGE INSTRUCTIONS

Maintain dry storage conditions for the powder. Keep container sealed when not using. Shelf life after mixing is approximately 2 weeks.

Made in the USA under patent 6,800,712 and other patents pending. Zeba is a registered trademark of Absorbent Technologies, Inc.

#### CONDITIONS OF SALE AND WARRANTY

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Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>



## Starch-Based Superabsorbent For Retention of Soil Moisture

# ROOT DIP

Ideal for use before planting,  
after transplanting, and during  
transportation of bare roots.

Absorbent Technologies, Inc.  
8705 SW Nimbus Avenue, Beaverton, OR 97008 U.S.A.

Net WT 1 lb. (454 g)

#### USE DIRECTIONS

##### Application

One Pound of product will make a minimum of 25 gallons (94.6 L) root dip at highest recommended concentration. Use 3/8 - 3/4 cup (88.72 - 177.44 ml) of Zeba per 5 gallons (18.9 L) of water. Dip plant root structure fully into hydrogel solution to obtain full coverage, then lift and allow excess to drain. For unrooted cuttings, create an opening in media so that hydrogel is not rubbed off by soil/sand during insertion. Placing some hydrogel into the opening created above before inserting the cutting will further increase rooting efficacy.

**Mechanical mixing:** Use electric drill with paint mixer (or similar) for maximum effectiveness. Repeatedly sprinkle thin film of Zeba **SLOWLY** on water surface, thoroughly mixing between each sprinkle. Begin with drill on low speed to avoid water splashing out of pail. Drill speed can be increased as mixture becomes more viscous. If clumps develop, allow to stand until fully hydrolyzed (approximately 30 minutes, or longer if larger clumps) before adding remaining Zeba. Stir thoroughly until mixture becomes homogeneous. **Allow to stand overnight, then stir again before using.**

**Manual Mixing:** **SLOWLY** sprinkle Zeba on water surface while stirring rapidly with a paint stick or similar utensil. Pouring too fast will result in clumping. Allow mixture to stand while clumps fully hydrolyze. Occasional stirring, and pressing larger clumps against side of container, may speed up hydrolyzing process. When fully hydrolyzed, stir into homogeneous mixture. **Allow to stand overnight, then stir again before using.**

**Plug and Propagation Soil Mix:** For plug trays with 200 cells or more use Zeba at the rate of 2.5-5 Tbsp. (16.7-33.5 g/5.6 -11.2 ml) per cubic foot of potting soil, or 4.5-9 cups/1-2 lbs. (454-908 g/1-2.12 L) per cubic yard. Because of the fine particle size, Root Dip is extremely absorbent. To avoid clumping add the material slowly in small amounts to the soil mix. Mix Zeba thoroughly into soil.

Manufactured by:  
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