QUENCH™
AT A GLANCE

Quench is a unique, superabsorbent product made from natural cornstarch, holding up to 400 times its weight in water to provide an "on demand" source of moisture for plants.

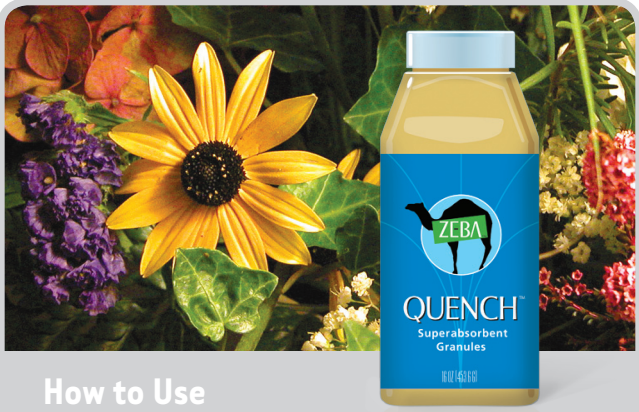
Quench provides a consistent source of moisture and nutrients necessary for healthy, vigorous ornamental plant growth, even in the sandy soils. The healthy microenvironment that Quench furnishes holds water and nutrients near plant roots for use as needed by the plant, instead of percolating through the soil. Quench slowly releases the precise amount of water as needed.

QUENCH BENEFITS

- Increases soil's moisture content, retention and supply to plants.
- Keeps water in the root zone where it's needed.
- Increases soil porosity for improved movement of water and air.
- Allows longer intervals between watering, up to two times longer.
- Keeps plants and soil cooler, increasing photosynthesis rate.
- Acts as a 'water buffer' to help prevent moisture stress.

RETAIL SIZES

QUENCH 16 oz	**QUENCH** 52 oz
Available at independent garden centers, select hardware stores and online - visit www.zeba.com.	



How to Use

PLANTING BEDS & LANDSCAPE

- Mix Quench into top 2-4" of beds at the rate of 4-6 cups (1-1.5 lbs) per 1,000 sq feet of garden.
- Water immediately after planting.

INDOOR AND OUTDOOR CONTAINERS/ HANGING BASKETS

- Use 0.25 tsp (0.6g) per quart of potting soil.
- Use 1.5-4 Tbsp (10-28g) per cu. ft. of potting soil.
- Mix Quench thoroughly into soil.
- Water immediately after planting.

SHRUB/TREE PLANTING

- 0.75-1.5 Tbsp (5-10g) for a 12" root ball. See reverse for additional sizes and rates.
- Place one-half the Quench in the planting hole and the remaining half with the backfill soil.
- Water immediately after planting.

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DISTRIBUTED BY

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QUENCH™ APPLICATION GUIDE

ZEBA®

USE	RATE	APPLICATION
Potting Containers *(Trade Sizes)**		Mix half throughout planting hole and amend backfill with remaining half. Water immediately after planting.
	Low Rate / *Normal Rate* / *High Rate*	• Normal Planting Rate (1 lb/cu yd)- use for most plant species
4" - 6"	0.1 tsp / 0.25 tsp / 0.5 tsp	• Low Planting Rate (0.5 lb/cu yd) - can be used for plants requiring less water, or receiving frequent watering
#1 Pot *(1 gallon)*	0.33 tsp / 0.75 tsp / 1.25 tsp	• High Planting Rate (1.5 lb/cu yd) - can be used for plants that require more water or will have a longer period between irrigation intervals
#2 Pot *(2 gallon)*	1 tsp / 2 tsp / 1 Tbsp	
#3 Pot *(3 gallon)*	1.5 tsp / 1 Tbsp / 1.5 Tbsp	
#5 Pot *(5 gallon)*	1.75 tsp / 1.25 Tbsp / 2 Tbsp	
#7 Pot *(7 gallon)*	2.5 tsp / 1.75 Tbsp / 2.67 Tbsp	
#10 Pot *(10 gallon)*	1.5 Tbsp / 3 Tbsp / 4.67 Tbsp	
#15 Pot *(15 gallon)*	2 Tbsp / 4.25 Tbsp / 6.33 Tbsp	
#20 Pot *(20 gallon)*	2.75 cup / 5.75 Tbsp / 8.67 Tbsp	
#25 Pot *(25 gallon)*	3.67 Tbsp / 7 Tbsp / 11 Tbsp	
#30 Pot *(30 gallon)*	0.33 cup / 0.5 cup / 13.5 Tbsp	
#65 Pot *(65 gallon)*	0.67 cup / 1.25 cup / 2 cup	*Pot sizes subject to manufacturer's specifications
Transplant Ball & Burlap *(Root Ball Sizes)*		Mix half throughout planting hole and amend backfill with remaining half. Use higher rates for sandy soils with low water holding capacity or plants requiring more water. Use lower rates for clay soils or plants requiring less water.
12 inch	0.75-1.5 Tbsp (5-10g)	
15 inch	1.5-3 Tbsp (10-21g)	
18 inch	2.5-5 Tbsp (18-35g)	
24 inch	6-12 Tbsp (42-84g)	
30 inch	0.75-1.5 cup (84-168g)	
36 inch	1.25-2.5 cup (140-280g)	
48 inch	3-6 cup (336-672g)	
Planting Bareroot Trees and Shrubs	1 Tbsp (7g) per plant (for 3–5 ft plants)	Mix half throughout planting hole and amend backfill with remaining half. Water immediately after planting
Transplanting Containers *(Trade Sizes)**	*Low Rate* / *Normal Rate* / *High Rate*	Mix half throughout planting hole and amend backfill with remaining half. • Normal Transplanting Rate - use for most plant species • Low Transplanting Rate - can be used for plants requiring less water, or receiving frequent watering • High Transplanting Rate - can be used for plants that require more water or will have a longer period between irrigation intervals - Use higher rates for sandy soils with low water-holding capacity. - Use lower rates for clay soils. *Pot sizes subject to manufacturer's specifications
4" - 6"	0.33 tsp / 0.5 tsp / 0.75 tsp	
#1 Pot *(1 gallon)*	1.25 tsp / 1.5 tsp / 1 Tbsp	
#2 Pot *(2 gallon)*	1 Tbsp / 1.25 Tbsp / 2 Tbsp	
#3 Pot *(3 gallon)*	1.33 Tbsp / 1.75 Tbsp / 2.5 Tbsp	
#5 Pot *(5 gallon)*	2 Tbsp / 2.75 Tbsp / 4 Tbsp	
#7 Pot *(7 gallon)*	3 Tbsp / 4 Tbsp / 6 Tbsp	
#10 Pot *(10 gallon)*	5 Tbsp / 7 Tbsp / 0.67 cup	
#15 Pot *(15 gallon)*	0.5 cup / 0.67 cup / 1 cup	
#20 Pot *(20 gallon)*	0.67 cup / 0.75 cup / 1.25 cup	
#25 Pot *(25 gallon)*	0.75 cup / 1 cup / 1.5 cup	
#30 Pot *(30 gallon)*	1 cup / 1.33 cup / 2 cup	
#65 Pot *(65 gallon)*	2.25 cup / 3 cup / 4.5 cup	
Planting Beds & Landscape	1-1.5 lbs (4-6 cups) per 1,000 sq ft. Rate depends on soil type and density of planting. For clay and humus rich soils use less. For sandy soils use more. For densely planted beds, use more.	For new bed, rake or work into top 2–4" of soil. Water well after planting. For existing beds, top dress soil around plants and carefully work into top few inches, taking care not to disturb roots.
Potting Soil / Soilless Media	For most plant species us a normal rate of 1lb (4 cups)/cu yd. For plants requiring less water, or receiving frequent watering use a lower rate of 0.5 lbs (2 cups)/cu yd. For plants that require more water or will have a longer period between irrigation intervals us a higher rate of 1.5lbs (6 cups)/cu yd.	Completely mix dry Quench and dry soil before planting or filling containers. Water well after planting.
Seed Starting	0.25 tsp (0.6g) per dry quart of seed starting mix	Completely mix dry Quench with media. Plant seeds, then water well.
Lawn Seeding	4-8 cups (1-2 lbs) per 1,000 sq ft	Broadcast Quench evenly with the seed onto dry soil area. Rake seed and Zeba into top layer of prepared lawn area. Water throrougly.
Sod installation	4-8 cups (1-2 lbs) per 1,000 sq ft	Apply directly to soil surface prior to rolling out sod. Roll sod and water.
Existing Lawns	4 to 8 cups (1-2 lbs) per 1,000 sq ft	Cut grass as short as possible, then aerate the lawn. Spread Quench over the area and rake into aeration holes as much as possible then water. Excess Quench on surface will subside.

For the most current information visit the Zeba website www.Zeba.com

**Root Dip thickness may be adjusted by adding more water or more Root Dip as desired.*

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