

turf



aquatics



ornamentals

## DUPLEX™

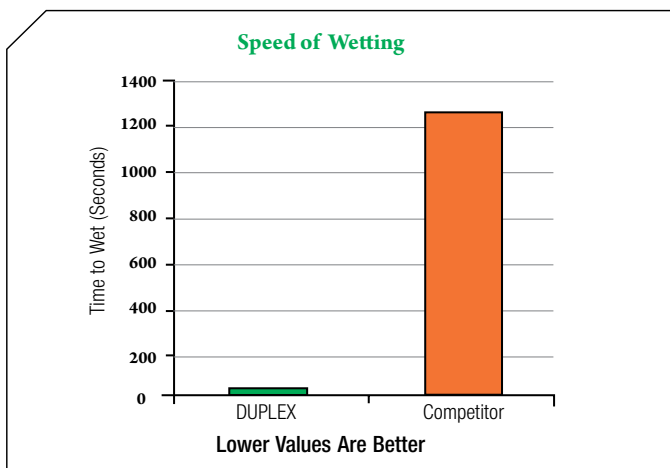
### Multi-Purpose Irrigation Surfactant

#### Product Profile

Water quality varies widely in greenhouses and nurseries. In addition, inefficient irrigation can have negative consequences on crop productivity and prove costly to a grower's bottom line. Duplex is a multi-purpose irrigation surfactant designed to sequester hard water ions in irrigation water and reduce the surface tension of water so that it freely penetrates through hard-to-wet growing media. As a result, both water quality and resource efficiency are improved.

#### Product Benefits

- Sequesters hard water contaminants, improving water quality and plant health
- Irrigation water infiltration is improved, saving resources
- Penetration of media-targeted pesticides is improved
- Properly hydrated root zone helps minimize plant stress in transit



#### Irrigation Facts

When irrigation systems do not uniformly irrigate plants, the typical response is to increase run times. This leads to increased water use and higher electric bills. Managing system layout, sprinkler nozzle pressure, and nozzle spacing can help control the total volume of water applied

and improve water distribution on the media surface. Only an irrigation surfactant like Duplex can promote uniform penetration and distribution of water in the root zone, where plants need it most.

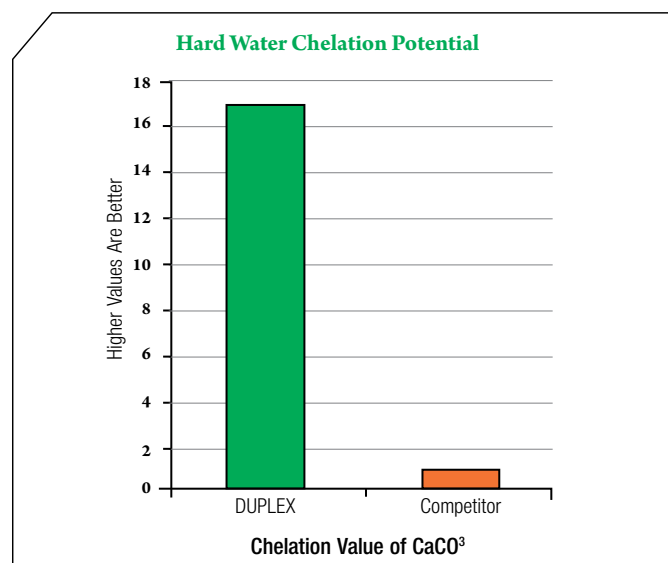
#### Use Rates

**INJECTION:** Apply 20 oz (591 ml) of DUPLEX into water volume sufficient to treat a one acre (0.40 ha) area. Monitor results to determine levels of infiltration into the most difficult to penetrate media. Adjust rate, up or down, in 4 oz (118 ml) per acre (0.40 ha) increments, until desired level of performance is achieved.

**DRENCH APPLICATION:** For larger areas, apply 20 oz (591 ml) of Duplex per 100 gal (378 L) of water. Monitor results to determine levels of infiltration into the most difficult to penetrate areas. Adjust rate, up or down, in 4 oz (118 ml) increments, until desired level of performance is achieved. For smaller areas or individual containers, apply an initial 3,000 ppm (1 L/378 L) solution of DUPLEX to previously untreated mix in enough water to uniformly hydrate. Follow with 500 ppm (5 oz/100 gal or 148 ml/378 L) weekly or 50 ppm (0.5 oz/100 gal or 14.8 ml/378 L) daily.

#### Packaging

2 x 2½ gallon (9.46 L) containers



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