



DDAC Quaternary Ammonium

**ACTIVE
INGREDIENT**

DDAC Quaternary Ammonium

Pesticide Adjuvant

REGISTRATION

Soil Wetting Agent

Improve deposition, retention and wetting of water/solute.

FEATURES

Increases penetration of water through soil.

Inject into overhead or sub-irrigation systems for mist, drip, or spray applications, add to spray tanks for a manual spray to soils, plants, and pest surfaces.

APPLICATION

Add to irrigation sprinkler, sprayer or overhead watering system.

Turfgrass, industrial and structural facilities, fields, orchards, nurseries, greenhouses, hydroponics, and controlled environment growing facilities.

AREAS OF USE

Turfgrass, field, tree farms, nurseries, greenhouses, and orchards.

Wide range of rates:

RATES

Limited range of rates:

- 6 to 25 fl. oz. of UpTake PRO per 100 gallons of spray (0.05-0.20% v/v) every 7 to 14 days when applying to crops.
- For *propagation*, use 6 to 13 fl. oz. per 100 gallons of spray.
- When *spraying* with a pre or post herbicide use 100 to 200 fl. oz per 100 gallons of spray.
- *Direct injection of Concentrated Products:* Set injector between 1:37,500 to 1:5,000.
- *Continuous Injection:* inline rates is 1:15,000 to 1:5,000 (5 to 15 ppm).
- *Intermitted Injection:* 1-10 ppm inline.
- *Bulb, rooted or unrooted cutting dip:* Add 6 to 24 fl. oz per 100 gallons of water.

- 0.12 to 0.50 oz. of UpTake per gallon of water once every 2 week to stems or growing bags or pots, to a maximum of 8 times per growing season.
- 0.06-0.5 oz. of UpTake per gallon of water in the tank mix.