

## UpTake PRO® - Water Enhancement



### USE RATES FOR TANK MIX OR SOLUTE ALONE FOR OVERHEAD SPRAY

Dip or Soak For Propagation	Soak Time	fl oz/gal	ppm	Comment		
Pre-Treated or Untreated Seeds	30 sec to 5 min	0.13 - 1.0	75 - 600	Lower rate/soaking time for pre-treated seeds		
Bulbs/Bare Root Cuttings	30 sec to 5 min	0.13 - 0.25	75 - 145	Use prior to planting or storing		
Spray or Drench	Crop	fl oz/gal	fl oz/100 gal	mL/L	ppm	Frequency
Propagation: Newly Sown Seeds, Bulbs, Bare-Root or Rooted Cuttings	Bedding/Perennials	0.06	6	0.5	40	Every 7 Days
	Woody Ornamentals	0.13	13	1	75	Every 14 Days
Well Rooted - Potted or Hydroponics	Bedding/Perennials	0.13	13	1	75	Every 7 Days
	Woody Ornamentals	0.25	25	2	145	Every 14 Days
Pre-Ship Spray	All Crops	0.13	13	1	75	Prior to Shipping
Herbicide Tank Mix	All Crops	1.0 - 2.0	100 - 200	781 - 1563	600 - 1200	NA

### INJECTION RATES FOR IRRIGATION SYSTEM

Application	Crop or System Type	Inline Dilution		Irrigation Cycle Frequency	Pulse Duration
		fl oz/100 gal	ppm		
Spray or Drip-Irrigation Boom or Lines, Drip Hydroponics					
Continuous Injection	All Crops	0.34 - 1.20	2 - 7	Inject During All Scheduled Irrigation Cycles	
Propagation Intermittent Injection	Greenhouse/Indoor	6	40	Every 7 days	Inject per Frequency for a Single Irrigation Cycle
	Nursery or Field	13	75	Every 14 days	
Well Rooted Intermittent Injection	Greenhouse/Indoor	13	75	Every 14 days	Inject per Frequency for a Single Irrigation Cycle
	Nursery or Field	13 - 25	75 - 145	Every 7 - 14 days	
		0.34 - 1.20	2 - 7	4th Irrigation Cycle	
NFT Hydroponics / Flood Benches or Floors					
Intermittent Injection	NFT Hydroponic	0.34	2	Every 7 days	2 - 5 min / Drain to Waste
	Flood	2.6 - 13.0	15 - 75	Every 7 - 14 days	Single Irrigation Cycle
Water Storage Tank or Reservoirs					
Shock Treatment	NA	2.6 - 3.4	15 - 20	Initial Dose	
Maintenance	NA	2.0 - 2.6	10 - 15	Every 14 - 28 Days	

Contact a Pace 49 representative for more detailed instruction on intermittent injection.

### RATES FOR DIRECT INJECTION OF CONCENTRATED PRODUCTS

ppm	mL/L	mL/100 gal	fl oz/100 gal	fl oz/gal	Injection Ratio
2	0.03	10.09	0.34	0.003	1:37,500
4	0.05	20.19	0.68	0.007	1:18,750
5	0.07	25.23	0.85	0.009	1:15,000
6	0.08	30.28	1.02	0.010	1:12,500
7	0.09	35.33	1.19	0.012	1:10,714
8	0.11	40.37	1.37	0.014	1:9,375
10	0.13	50.47	1.71	0.017	1:7,500

### RATES FOR DIRECT INJECTION OF DILUTED PRODUCTS

ppm	Ratio Setting	Stock fl oz/gal	% Stock Tank Solution
2	1:100	0.34	0.25
4	1:100	0.68	0.53
5	1:100	0.85	0.67
6	1:100	1.02	0.80
7	1:100	1.19	0.93
8	1:100	1.37	1.07

## PACE KleenGrow™ - Disease Control



### IN IRRIGATION SYSTEMS: Control Waterborne Plant Pathogens and Algae

#### USE RATES FOR RECIRCULATED IRRIGATION SYSTEMS

Application	Inline Dilution fl oz/100 gal	ppm	Diluted Injection-1:100 % Stock Tank Solution	Direct Injection Ratio or Manual Applied Rates	Frequency of Use
<b>ON CROPS: Overhead or Subirrigation Systems</b>					
Continuous Injection	0.34 - 1.2	2 - 7	0.03 - 1.0	1:37,500 to 1:10,714	During All Watering Cycles
Intermittent Injection	2.6 - 13	15 - 75	2.5 - 10	1:5000 to 1:937	Every 7 Days
	6.0 - 25	40 - 145	2.0 - 5.0	1:2143 to 1:517	Every 14 Days
<b>ON CROPS: Water Storage Tank or Reservoir</b>					
Initial Dose - Shock Treatment	2.6 - 3.4	15 - 20	2.5 - 3.0	2.5 - 3 gal / 10,000 gal	1 - 2 Times Annually
Maintenance	2.0 - 2.6	10 - 15	2.0 - 2.5	2 - 2.5 gal / 10,000 gal	Every 14 - 28 day
<b>Cool Pad Water</b>					
Initial Dose - Shock Treatment	100.0	600	0	Concentrated Product	1 - 2 Times Annually
Maintenance	2.0 - 6.0	10 - 40	2.0 - 5.0	2.0 - 6.0 fl oz /100 gal	Every 14 - 28 day
<b>Irrigation Systems</b>					
Shock Treatment Injection	100.0	600	0	Concentrated Product	1 - 2 Times Annually

### ON SURFACES: Disinfect and Control Plant Pathogens, Algae and Viruses

#### USE RATES FOR SURFACES INCLUDING FOOTBATH

Areas of Application	AgH PRO CLEANER		Strip-It PRO CLEANER		KleenGrow DISEASE CONTROL		
	fl oz/gal	mL/L	fl oz/gal	mL/L	fl oz/gal	mL/L	ppm
<b>Interior/Exterior Greenhouse/Outdoor Growing, Storage or Harvesting Areas:</b>	5	40	5	40	1.0	8.0	600
Walls/Ceiling/Benches: Poly, Plastic, Glass, Aluminum, Wood, Shade Cloth, Cool Pads	5	40	5	40	1.0	8.0	600
Floors: Concrete, Gravel, Groundcover Cloth, PVC/Metal Pipes, Gutters, Water Storage Areas	5	40	5	40	1.0	8.0	600
<b>Irrigation Systems:</b> Lines, Emitters, Dripper, Gutters	2.5	20	2.5	20	1.0	8.0	600
<b>Potting/Harvesting Items:</b> Growing Containers, Crates, Carts	2.5 - 5.0	20 - 40	2.5 - 5.0	20 - 40	1.0	8.0	600
<b>Indoor Facilities:</b> Growing, Packing/Processing, Warehouse and Storage Facilities	2.5	20			1.0	8.0	600
<b>Equipment:</b> Growing, Harvesting Processing or transportation Equipment	2.5	20			1.0	8.0	600
<b>Entryway Foamer</b>					1.0	8.0	600
<b>Gloved Hand and Tool Dips</b>	2.5	20			2.0	16.0	1200
<b>Footbath</b>	2.5	20	2.5	20	2.0	16.0	1200

### ON GREENHOUSE/SHADEHOUSE CROPS: Control Plant Pathogens and Algae

#### USE RATES FOR GREENHOUSE & SHADEHOUSE CROPS

Dip or Soak For Propagation	Soak Time	fl oz/gal	ppm	Comment		
Pre-Treated or Untreated Seeds	30 sec to 5 min	0.13 - 1.0	75 - 600	Lower rate/ soaking time for pre-treated seeds		
Bulbs/ Bare Root Cuttings	30 sec to 5 min	0.13 - 0.25	75 - 145	Use prior to planting or storing.		
Drip, Spray, Drench	Crop	fl oz/gal	fl oz/ 100 gal	mL/L	ppm	Frequency
Propagation: Newly Sown Seeds, Bulbs, Bare-Root or Rooted Cuttings	Bedding/Perennials	0.06	6	0.5	40	Every 7 days
	Woody Ornamentals	0.13	13	1	75	Every 14 days
Well Rooted - Potted or Hydroponics	Bedding Perennials	0.13	13	1	75	Every 7 days
	Woody Ornamentals	0.25	25	2	145	Every 14 days
Pre-Ship Spray	All Crops	0.13	13	1	75	Prior to Shipping

PACE KleenGrow is not approved for algae control in California.