

Cutting Edge Solutions Product Mixing and Reference Chart

Show: Three Part Nutrients Nutrient Additives pH, EC, PPM Light Hours, Duration of Cycle **Go!**

Three Part Nutrients




Plant Stage	Micro	Bloom	Grow
Drain to Waste Systems Using Coco Coir, Rock Wool, Hydro Rock, or 100% Soil			
Cuttings Rooted	5 ml	5 ml	10 ml
Vegetative Mix	5 ml	5 ml	10 ml
Transition Mix	5 ml	10 ml	5 ml
Bloom Mix	5 ml	15 ml	0 ml
Optional Flush	2 ml	5 ml	0 ml
Recirculating Systems Using Coco Coir, Rock Wool, Hydro Rock, etc			
Cuttings Rooted	5 ml	5 ml	10 ml
Vegetative Mix	8 ml	5 ml	15 ml
Transition Mix	8 ml	15 ml	5 ml
Bloom Mix	8 ml	20 ml	0 ml
Optional Flush	4 ml	10 ml	0 ml

Foliar Spray Mix	Vegetative Cycle / Rooted Cuttings
N/A	N/A
For Cal-Mag Solution	2.5 ml
N/A	N/A
For Low-Light Situations or Light Deprivation	2.5 ml
N/A	N/A
N/A	2.5 ml

Measurements in milliliters per gallon

Additives



Plant Stage	Plant Amp	Uncle John's Bland	Mag Amped
Drain to Waste Systems Using Coco Coir, Rock Wool, Hydro Rock, or 100% Soil			
Cuttings Rooted	10 ml	10 ml	2 ml
Vegetative Mix	10 ml	10 ml	2 ml
Transition Mix	10 ml	10 ml	2 ml
Bloom Mix	10 ml	10 ml	5 ml
Optional Flush	10 ml	10 ml	0 ml
Recirculating Systems Using Coco Coir, Rock Wool, Hydro Rock, etc			
Cuttings Rooted	10 ml	10 ml	2 ml
Vegetative Mix	10 ml	10 ml	2 ml
Transition Mix	10 ml	10 ml	2 ml
Bloom Mix	10 ml	10 ml	5 ml
Optional Flush	10 ml	10 ml	0 ml

Foliar Spray Mix	Vegetative Cycle / Rooted Cuttings
10	10
For Cal-Mag Solution	0 ml
10	0
For Low-Light Situations or Light Deprivation	2.5 ml
0	0
0	5 ml

Measurements in milliliters per gallon

**** NOTE **** Plant Amp™ contains Organic Acids which cause a temporary low pH reading. **Do not adjust pH up.** The pH will rise naturally as the plant uptakes the chelated calcium in one or two days.

Optimal Readings for pH, EC, PPM

Plant Stage	pH	EC	PPM
Drain to Waste Systems Using Coco Coir, Rock Wool, Hydro Rock, or 100% Soil			
Cuttings Rooted	4.0 - 6.5	1 - 2.5	500 - 1250
Vegetative Mix	4.0 - 6.5	1 - 2.5	500 - 1250
Transition Mix	4.0 - 6.5	1.3 - 2.3	600 - 1100
Bloom Mix	4.0 - 6.5	1.2 - 2.2	600 - 1100
Optional Flush	4.0 - 6.5	0.5 - 1.2	200 - 600
Recirculating Systems Using Coco Coir, Rock Wool, Hydro Rock, etc			
Cuttings Rooted	4.0 - 6.5	1 - 2.5	500 - 1250
Vegetative Mix	4.0 - 6.5	3 - 4	1200 - 2000
Transition Mix	4.0 - 6.5	1.7 - 3.5	800 - 1700
Bloom Mix	4.0 - 6.5	2.5 - 3.2	1400 - 1600
Optional Flush	4.0 - 6.5	1.5 - 2.5	700 - 1200

Light Hours, Duration of Cycle

Plant Stage	Light Hours	Duration of Cycle
All Types of Systems Drain to Waste or Recirculating		
Cuttings Rooted	18 Hours	Customer Preference
Vegetative Mix	18 Hours	1 - 2 Weeks
Transition Mix	12 Hours	1 - 2 Weeks
Bloom Mix	12 Hours	4 - 8 Weeks
Optional Flush	12 Hours	5 - 10 Days

Measurements in milliliters per gallon