

CULTURED SOLUTIONS

CRYSTAL CLEAR LIQUID FERTILIZERS



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Cultured Solutions
Nutrient Calculator



RECIRCULATING HYDRO

NORMAL STRENGTH

RDWC, DWC, Aeroponics, NFT

PLANT STAGE	VEG				BLOOM								FLUSH	
	1	2	3	4	1	2	3	4	5	6	7	8	2-3DAYS	
CLEARLINE™	1	1	1	1	1	1	1	1	1	1	1	1	1	1-2
COCO CAL	2	2	2	2	2	2	2	2	2	2	2	2	2	
VEG A	0.5	1	2	2.5										
VEG B	0.5	1	2	2.5										
BLOOM A					3.5	4.5	6	6	7	6	4	3		
BLOOM B					3.5	4.5	6	6	7	6	4	3		
BUD BOOSTER					0.5	1.5	2	3	3.5	3	2	1.5		
Lalstop K61™	Per 1 Gallon													
PPM 500	100	175	300	325	425	500	600	650	700	650	450	400	0-100	
PPM 700	140	245	420	455	595	700	840	910	980	910	630	560	0-100	
EC	0.2	0.3	0.6	0.6	0.8	0.8	1.2	1.3	1.4	1.2	0.9	0.8	0.1	
pH	6	6	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.7	
TEMP	68°	68°	68°	68°	68°	68°	68°	68°	68°	68°	68°	68°	65°	62°
ORP	250-350	250-350	250-350	250-350	250-350	250-350	250-350	250-350	250-350	250-350	250-350	250-350	250-350	
DO MINIMUM	8 mg/L													

DRAIN TO WASTE

NORMAL STRENGTH

Coco Coir, Rockwool, Drip, Soilless

PLANT STAGE	VEG				BLOOM								FLUSH	
	1	2	3	4	1	2	3	4	5	6	7	8	2-3DAYS	
CLEARLINE™	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1-2
COCO CAL	3	3	3	3	3	3	3	3	3	3	3	3	3	
VEG A	4	4	6	6										
VEG B	4	4	6	6										
BLOOM A					8	8	9	9	9	8	4	3		
BLOOM B					8	8	9	9	9	8	4	3		
BUD BOOSTER						4	5	9	10	12	10			
PPM 500	450	450	600	600	800	800	1000	1050	1100	1050	1000	750	0-100	
PPM 700	630	630	840	840	1120	1120	1400	1470	1540	1470	1050	700	0-100	
EC	0.9	0.9	1.2	1.2	1.6	1.6	2	2.1	2.2	2.1	1.5	1	0.1	
pH	6	6	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.7	
TEMP	68°	68°	68°	68°	68°	68°	68°	68°	68°	68°	68°	68°	65°	62°
ORP	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	350-400	
DO MINIMUM	8 mg/L													

ml/gal Injection Rate

1	1: 3840
2	1: 1920
3	1: 1280
4	1: 960
5	1: 770
6	1: 640
7	1: 550
8	1: 480
9	1: 430
10	1: 385

1 tsp = 5mL
1 tbsp = 15mL
1 oz = 30 mL
1 qt = 946 mL
1 gal = 3.785
1 gal = 120 L

GENERAL ENVIRONMENTAL TARGETS

PLANT GROWTH STAGE	VEG				BLOOM								FLUSH
	1	2	3	4	1	2	3	4	5	6	7	8	3 to 7 Day Flush
Weeks	1	2	3	4	1	2	3	4	5	6	7	8	3 to 7 Day Flush
Temp - Day (F°)	86°	84°	82°	80°	79°	79°	78°	77°	76°	76°	75°	75°	70°
Temp - Night (F°)	70°	70°	70°	69°	69°	69°	68°	68°	68°	67°	66°	65°	63°
Relative Humidity - Day	75%	75%	70%	70%	65%	65%	65%	63%	63%	60%	60%	50%	50%
Relative Humidity - Night	60%	60%	60%	60%	60%	60%	58%	58%	58%	56%	56%	54%	50%
VPD - Day (kPa)	1/1.1	1/1.1	1/1.1	1.1/1.2	1.2	1.2	1.15/1.2	1.2	1.2	1.2/1.3	1.2/1.3	1.4/1.5	1.5
VPD - Night (kPa)	1	1	1	1	1	1	1	1	1	1	1	1	1
CO2 (ppm)	1500	1500	1500	1400	1350	1350	1250	1200	1100	1000	900	800	500
PPFD $\mu\text{mol/m}^2/\text{s}$	300-600	300-600	300-600	300-600	600-900	600-900	600-900	600-900	600-900	600-900	600-900	600-900	600-900

To learn more visit www.cch2o.com