CULTURED SOLUTIONS

CRYSTAL CLEAR LIQUID FERTILIZERS

CLEAR LINE

PRECISION. IRRIGATION. MAINTAINED.

Product Guide - 2025









Clearly Superior Blends. Noticeably Better Results.



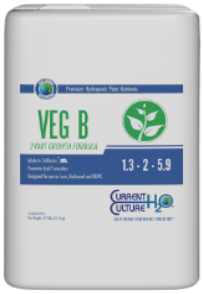
Cultured Solutions ®
Clear Line Hypochlorous Acid



Cultured Solutions ®
Coco Cal



Cultured Solutions ®
Veg A



Cultured Solutions ®
Veg B



Cultured Solutions ®
Bloom A



Cultured Solutions ®
Bloom B



Cultured Solutions ®
Bud Booster – Mid



Lalstop K61™ Biofungicide

Refined Formulations

- Runs extremely clean, leaving no residue in irrigation lines or stock tanks.
- Contains only pure mineral salts and chelates, no biological or organic inputs.
- Multi-Stage micro filtration prior to bottling removes impurities, resulting in unmatched clarity.

Quality Assured

- Advanced blending SOPs ensure consistency, producing repeatable results.
- Redundant QC is performed throughout the blending process.
- Proven formulations are pH stable, remaining soluble in all conditions.

Simple to Use

- No mixing of dry salts required, keeping environment free from harmful VOC's.
- Compatible with all fertigation and automated dosing systems.
- Easy to follow feed recommendations and nutrient calculator available online.



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Follow QR Link to CCH2O Website for Cultured Solutions Nutrient Calcutator

For specific usage questions or product details reach out to tech@cch2o.com

RECIRCULATING HYDRO

NORMAL STRENGTH

RDWC, DWC, Aeroponics, NFT

PLANT STAGE	VEG				BLOOM								FLUSH
WEEK	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	1-2
COCO CAL	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 GRAM / 100 Gal		Per 1 GRAM / 100 Gal		Per 1 GRAM / 100 Gal		Per 1 GRAM / 100 Gal		Per 1 GRAM / 100 Gal		Per 1 GRAM / 100 Gal		
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°	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	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L

DRAIN TO WASTE

NORMAL STRENGTH

Coco Coir, Rockwool, Drip, Soilless

PLANT STAGE	VEG				BLOOM								FLUSH
WEEK	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	1-2
COCO CAL	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°	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	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L	8 mg/L

-All recommendations are represented in Millileters Per Gallon

-Omit Mycostop if Regionally Unavailable

-Do not combine any products in undiluted form

-Use clean measuring instruments do not put anything into the bottle

-Store closed in original packaging at a temperature between 45°F and 85°F

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 m
1 qt	= 946 m
1 gal	= 3.785
1 gal	= 120 o

GENERAL ENVIRONMENTAL TARGETS

PLANT GROWTH STAGE	VEG				BLOOM								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 µmol/m²/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

CLEAR LINE™

High Concentration
Hypochlorous Acid

Keep Irrigation Lines & Drip Emitters Free and Clear From Mineral Build-Up

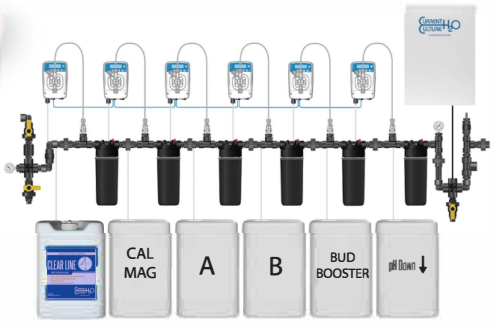


- **Clear Line = Clear Savings**
  (1X) 55 Gallon Barrel of Clear Line is the Equivalent of
  (1X) 275 Gallon Tote of Weaker HOCl Products

- **Spend Less $$$, Get More Results**
  Switch to Clear Line and Save $30-35% vs More Dilute Products Like Drip Flow, Athena Cleanse, AN Flo & Gro

- **Lowest Cost Per Mixed Gallon**
  Clear Line is +/- 0.014 cents per mixed gallon
  Competing brands are +/- 0.023 cents per mixed gallon





Why are LP's & Craft Canna producers switching from other brands to Clear Line?



(1X) 55-Gallon Barrel of Clear Line
Total Net Weight 475 LB

=



(1X) 275-Gallon Tote of Competition
Total Net Weight 2375 LB

Clear Line is North America's Most Cost Effective and Concentrated Hypochlorous Acid.

(1X) 55 Gallon Barrel of Clear Line Replaces
(1X) 275 Gallon Tote of More Dilute Products

Clear Line Dosage is 1 mL Per Gallon Versus
Weaker HOCl Dosage is 5 mL Per Gallon

CULTURED SOLUTIONS
CRYSTAL CLEAR LIQUID FERTILIZERS

CURRENT CULTURE H2O
LEADERS IN HYDROPONICS