



mix in order

bulk															Recommended for Soil, Coco, & Rockwool	units are in g/gal
	CLONE	VEGETATIVE				FLOWER										
	SOAK	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8	flush		
powder a	5	5	5	5	5	5	5	5	5	5	5	4	3			
powder b	5	5	5	5	5	5	5	4	4	4	4	4	4			
powder c								2	2	2	2	2	2			
powder d	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1			
flow (optional)	2	2	2	2	2	2	2	2	2	2	2					
ooze <small>(Contributes Minimal EC NOT INCLUDED IN TOTAL)</small>		5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10			
Target PPM 500	1581	1581			1581			1727			1585	1440				
Target PPM 700	2213	2213			2213			2417			2219	2017				
Target EC	3.16	3.16			3.16			3.45			3.17	2.88				
Target pH	5.5-5.8	5.5-6.0 (Coco & Rockwool) 5.9-6.2 (Soil)				5.7-6.2 (Coco & Rockwool) 6.0-6.4 (Soil)										
LED																
Day Temp (°F)		80-84			80-84			80-82			78-80	76-78	74-76			
Night Temp (°F)		78-82			78-82			76-80			74-78	70-74	68-72			
RH (%)		65-70			65-70			60-65			53-58	45-50	40-45			
Day VPD (kPa)		1.1-1.2			1.1-1.2			1.3-1.4			1.5-1.6	1.6-1.7	1.7			
PPFD	100	Increase from 200-500 depending on veg time			Increase from 800, ~5% per day, to reach 1050-1200			1050-1200			800-950	700-800	600			
CO ₂ (PPM)		600			1100-1400			1100-1400			900-1000	800-900	700			
Substrate EC		<5			<8			<5			<3	<3	<1			
HPS																
Day Temp (°F)		77-81			77-81			77-79			75-77	73-75	71-73			
Night Temp (°F)		75-79			75-79			73-77			71-75	67-71	65-69			
RH (%)		65-70			65-70			60-65			53-58	45-50	40-45			
Day VPD (kPa)		1.1			1.1			1.2-1.3			1.3-1.4	1.5-1.6	1.5-1.6			
PPFD	100	Increase from 200-500 depending on veg time			Increase from 800, ~7% per day, to reach 950-1100			950-1100			700-850	700-800	600			
CO ₂ (PPM)		600			1100-1400			1100-1400			900-1000	800-900	700			
Substrate EC		<5			<8			<5			<3	<3	<1			

NOTICE:
-Ensure Powder A is eliminated at least 10 days before harvest.

notes

- Do not use Flow if you are using beneficial bacteria.
- If you are experiencing any issues, contact:
Jason: @_maxoutmgmt_
Travis: @divergent_flowers

LED LST

- LED leaf surface temperature should be 2-5° less than ambient room temperature.
- Check apex of the plant, in full light, daily, two hours after lights turn on.

HPS LST

- HPS leaf surface temperature should be 1-4° less than ambient room temperature.
- Check apex of the plant, in full light, daily, two hours after lights turn on.



feed your fire.

mix in order

bulk

POWDER B MUST BE MIXED AT A RATE OF 1 lb/gal · Recommended for Soil, Coco, & Rockwool · units are in mL/gal

NOTICE:

·Ensure Powder A is eliminated at least 10 days before harvest.

concentrates

·Stock Concentrations:
Powder A: 2 lb/gal
Powder B: 1 lb/gal
Powder C: 1 lb/gal
Powder D: 36 g/gal

·Stock 1 mL/gal EC's:
Powder A: 0.068 EC
Powder B: 0.042 EC
Powder C: 0.038 EC
Powder D: 0.001 EC

·Blend stocks for 10 minutes and let sit for 10 minutes prior to use.

·Powder B & C may appear cloudy when initially mixed.

doser conversions

mL	%	Ratio
11	0.29	350
13	0.34	280
17	0.44	225
21	0.55	200
34	0.90	112
42	1.11	90

LST

·Leaf surface temperature should be 2-5° less than ambient room temperature for LED and 1-4° less than ambient room temperature for HPS.

·Check apex of the plant, in full light, daily, two hours after lights turn on.

	CLONE	VEGETATIVE				FLOWER								
	SOAK	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8	flush
powder a	21	21	21	21	21	21	21	21	21	21	21	13	8	
powder b	42	42	42	42	42	42	42	34	34	34	34	34	34	
powder c								17	17	17	17	17	17	
powder d	21	21	21	21	21	21	21	21	21	21	21	21	11	
flow (optional)	2	2	2	2	2	2	2	2	2	2	2			
ooze <small>(Contributes minimal EC NOT INCLUDED IN TOTAL)</small>									5	5	5	5	5	
Target PPM 500	1593	1593			1593			1751			1480	1307		
Target PPM 700	2230	2230			2230			2452			2072	1830		
Target EC	3.19	3.19			3.19			3.50			2.96	2.61		
Target pH	5.5-5.8	5.5-6.0 (Coco & Rockwool) 5.9-6.2 (Soil)				5.7-6.2 (Coco & Rockwool) 6.0-6.4 (Soil)								

LED

Day Temp (°F)		80-84			80-84			80-82			78-80	76-78	74-76
Night Temp (°F)		78-82			78-82			76-80			74-78	70-74	68-72
RH (%)		65-70			65-70			60-65			53-58	45-50	40-45
Day VPD (kPa)		1.1-1.2			1.1-1.2			1.3-1.4			1.5-1.6	1.6-1.7	1.7
PPFD	100	Increase from 200-500 depending on veg time			Increase from 800, ~5% per day, to reach 1050-1200			1050-1200			800-950	700-800	600
CO ₂ (PPM)		600			1100-1400			1100-1400			900-1000	800-900	700
Substrate EC		<5			<8			<5			<3	<3	<1

HPS

Day Temp (°F)		77-81			77-81			77-79			75-77	73-75	71-73
Night Temp (°F)		75-79			75-79			73-77			71-75	67-71	65-69
RH (%)		65-70			65-70			60-65			53-58	45-50	40-45
Day VPD (kPa)		1.1			1.1			1.2-1.3			1.3-1.4	1.5-1.6	1.5-1.6
PPFD	100	Increase from 200-500 depending on veg time			Increase from 800, ~7% per day, to reach 950-1100			950-1100			700-850	700-800	600
CO ₂ (PPM)		600			1100-1400			1100-1400			900-1000	800-900	700
Substrate EC		<5			<8			<5			<3	<3	<1



feed your fire.

mix in order

bulk POWDER B MUST BE MIXED AT A RATE OF 1 lb/gal · Recommended for Soil, Coco, & Rockwool · units are in mL/gal

	CLONE	VEGETATIVE				FLOWER								
	SOAK	week 1	week 2	week 3	week 4	week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8	flush
powder a + d	21	21	21	21	21	21	21	21	21	21	21	13	8	
powder b	42	42	42	42	42	42	42	34	34	34	34	34	34	
powder c								17	17	17	17	17	17	
flow (optional)	2	2	2	2	2	2	2	2	2	2	2			
ooze <small>(Contributes Minimal EC NOT INCLUDED IN TOTAL)</small>									5	5	5	5	5	
Target PPM 500	1593	1593				1593		1751			1480	1307		
Target PPM 700	2230	2230				2230		2452			2072	1830		
Target EC	3.19	3.19				3.19		3.50			2.96	2.61		
Target pH	5.5-5.8	5.5-6.0 (Coco & Rockwool) 5.9-6.2 (Soil)				5.7-6.2 (Coco & Rockwool) 6.0-6.4 (Soil)								

NOTICE:
·Ensure Powder A is eliminated at least 10 days before harvest.

concentrates

- Mix Powder A & D together at:
25 lbs Powder A to 450 g Powder D.
- Combine A & D dry before blending stocks.
- Stock Concentrations:
Powder A: 2 lb/gal
Powder B: 1 lb/gal
Powder C: 1 lb/gal
Powder D: 36 g/gal
- Stock 1 mL/gal EC's:
Powder A+D: 0.069 EC
Powder B: 0.042 EC
Powder C: 0.038 EC
Powder D: 0.001 EC
- Blend stocks for 10 minutes and let sit for 10 minutes prior to use.
- Powder B & C may appear cloudy when initially mixed.

LED														
Day Temp (°F)		80-84				80-84			80-82			78-80	76-78	74-76
Night Temp (°F)		78-82				78-82			76-80			74-78	70-74	68-72
RH (%)		65-70				65-70			60-65			53-58	45-50	40-45
Day VPD (kPa)		1.1-1.2				1.1-1.2			1.3-1.4			1.5-1.6	1.6-1.7	1.7
PPFD	100	Increase from 200-500 depending on veg time				Increase from 800, ~5% per day, to reach 1050-1200			1050-1200			800-950	700-800	600
CO ₂ (PPM)		600				1100-1400			1100-1400			900-1000	800-900	700
Substrate EC		<5				<8			<5			<3	<3	<1

doser conversions

mL	%	Ratio
13	0.34	280
17	0.44	225
21	.55	200
34	0.9	112
42	1.11	90

HPS														
Day Temp (°F)		77-81				77-81			77-79			75-77	73-75	71-73
Night Temp (°F)		75-79				75-79			73-77			71-75	67-71	65-69
RH (%)		65-70				65-70			60-65			53-58	45-50	40-45
Day VPD (kPa)		1.1				1.1			1.2-1.3			1.3-1.4	1.5-1.6	1.5-1.6
PPFD	100	Increase from 200-500 depending on veg time				Increase from 800, ~7% per day, to reach 950-1100			950-1100			700-850	700-800	600
CO ₂ (PPM)		600				1100-1400			1100-1400			900-1000	800-900	700
Substrate EC		<5				<8			<5			<3	<3	<1

LST

- Leaf surface temperature should be 2-5° less than ambient room temperature for LED and 1-4° less than ambient room temperature for HPS.
- Check apex of the plant, in full light, daily, two hours after lights turn on.