



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 (Contributes Minimal EC NOT INCLUDED IN TOTAL)		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.



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	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 (Contributes Minimal EC NOT INCLUDED IN TOTAL)									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)	100	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)	100	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.

concentrates

•Stock Concentrations:
Powder A: 2 lb/gal
Powder B: 1 lb/gal
Powder C: 1 lb/gal
Powder D: 40 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.



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 (Contributes Minimal EC NOT INCLUDED IN TOTAL)									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)									

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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.

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: 40 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.
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