



← 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	5	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	1426	1426				1426		1544					1257	
Target PPM 700	1996	1996				1996		2161					1760	
Target EC	2.85	2.85				2.85		3.09					2.51	
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		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		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 D MUST BE MIXED AT A RATE OF 36 g/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	21	13	
powder b	21	21	21	21	21	21	21	17	17	17	17	17	17	
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)		5-10	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	1426	1426				1426		1544					1257	
Target PPM 700	1996	1996				1996		2161					1760	
Target EC	2.85	2.85				2.85		3.09					2.51	
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
Night Temp (°F)		78-82		78-82		76-80
RH (%)		65-70		65-70		74-78
Day VPD (kPa)		1.1-1.2		1.1-1.2		70-74
PPFD		Increase from 200-500 depending on veg time		Increase from 800, ~5% per day, to reach 1050-1200		68-72
CO ₂ (PPM)		600		1100-1400		1050-1200
Substrate EC		<5		<8		<5
						<3
						<3
						<1

HPS						
Day Temp (°F)	100	77-81		77-81		77-79
Night Temp (°F)		75-79		75-79		75-77
RH (%)		65-70		65-70		73-75
Day VPD (kPa)		1.1		1.1		71-73
PPFD		Increase from 200-500 depending on veg time		Increase from 800, ~7% per day, to reach 950-1100		75-77
CO ₂ (PPM)		600		1100-1400		73-77
Substrate EC		<5		<8		71-75
						67-71
						65-69
						40-45

NOTICE:

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

concentrates

•Stock Concentrations:
Powder A: 2 lb/gal
Powder B: 2 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: 0.068 EC
Powder C: 0.031 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	.55	200

LST

•LED leaf surface temperature should be 2-5° less than ambient room temperature.

•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.

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POWDER D MUST BE MIXED AT A RATE OF 36 g/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	21	13	
powder b	21	21	21	21	21	21	21	17	17	17	17	17	17	
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)		5-10	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	1426	1426				1426		1544					1257	
Target PPM 700	1996	1996				1996		2161					1760	
Target EC	2.85	2.85				2.85		3.09					2.51	
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		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		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: 2 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: 0.068 EC
Powder C: 0.031 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
13	0.34	280
17	0.44	225
21	0.55	200

LST

- LED leaf surface temperature should be 2-5° less than ambient room temperature.
- 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.