



mix in order

## proper

Recommended for Soil, Coco, & Rockwool

units are in g/L (Flow is mL/L)

	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	1	1	1	1	1	1	1	1	1	1	1	1	0.5	
powder b	1	1	1	1	1	1	1	1	0.8	0.8	0.8	0.8	0.8	
powder c						0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	
powder d	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.03	
flow (optional)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
Target PPM 500	1142	1142				1272				1260				974
Target PPM 700	1599	1599				1781				1764				1363
Target EC	2.28	2.28				2.54				2.52				1.95
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 (°C)		26-29				26-29				26-29		25-27	24-26	23-25
Night Temp (°C)		25-28				25-28				24-27		23-26	21-24	20-22
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 <sub>2</sub> (PPM)		600				1100-1400				1100-1400		900-1000	800-900	700
Substrate EC		<5				<8				<5		<3	<3	<1

### HPS

Day Temp (°C)		25-27				25-27				25-26		25-26	23-24	23-24
Night Temp (°C)		24-26				24-26				23-25		22-24	20-22	18-20
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 <sub>2</sub> (PPM)		600				1100-1400				1100-1400		900-1000	800-900	700
Substrate EC		<5				<8				<5		<3	<3	<1

### notes

- Ensure Powder A is eliminated at least 10 days before harvest.
- Do not use Flow if you are using beneficial bacteria.
- If you are experiencing any issues, contact:

Jason:  
@maxoutmgmt\_

Travis:  
@divergent\_flowers2.0

### notes

- LED leaf surface temperature should be 1-3°C less than ambient room temperature.
- Check apex of the plant, in full light, daily, two hours after lights turn on.

### notes

- HPS leaf surface temperature should be 1-2°C less than ambient room temperature.
- Check apex of the plant, in full light, daily, two hours after lights turn on.



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	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	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	2.1			
powder b	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.4	3.4	3.4	3.4	3.4			
powder c						2.1	2.1	2.1	4.5	4.5	4.5	4.5	4.5			
powder d	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	2.1			
flow (optional)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5					
Target PPM 500	1142	1142				1272				1260				974		
Target PPM 700	1599	1599				1781				1764				1363		
Target EC	2.28	2.28				2.54				2.52				1.95		
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 (°C)		26-29				26-29				26-29				25-27	24-26	23-25
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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 <sub>2</sub> (PPM)		600				1100-1400				1100-1400				900-1000	800-900	700
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Day Temp (°C)		25-27				25-27				25-26				25-26	23-24	23-24
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**concentrates**

- Stock Concentrations: Powder A: 239 g/L, Powder B: 239 g/L, Powder C: 119 g/L, Powder D: 10.5 g/L
- Stock 1 mL/4L EC's: Powder A: 0.072 EC, Powder B: 0.072 EC, Powder C: 0.033 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.
- Ensure Powder A is eliminated at least 10 days before harvest.

**doser conversions**

mL	%	Ratio
8	0.21	475
13	0.34	280
17	0.44	225

**notes**

- LED leaf surface temperature should be 1-3°C less than ambient room temperature.
- HPS leaf surface temperature should be 1-2°C 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 a + d	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	2.1		
powder b	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.4	3.4	3.4	3.4	3.4		
powder c						2.1	2.1	2.1	4.5	4.5	4.5	4.5	4.5		
flow (optional)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
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- concentrates**
- Mix Powder A & D together at: 11.34 kg Powder A to 500 g Powder D.
  - Combine A & D dry before blending stocks.
  - Stock Concentrations:  
Powder A: 239 g/L  
Powder B: 239 g/L  
Powder C: 119 g/L  
Powder D: 10.5 g/L
  - Stock 1 mL/gal EC's:  
Powder A+D: 0.072 EC  
Powder B: 0.072 EC  
Powder C: 0.033 EC
  - Blend stocks for 10 minutes and let sit for 10 minutes prior to use.
  - Powder B & C may appear cloudy when initially mixed.
  - Ensure Powder A is eliminated at least 10 days before harvest.

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