drip HYDRO

PROPER (GRAMS)

POWDER

@drip_hydro
driphydro.com

feed your fire.

proper

Recommended for Soil, Coco, & Rockwool

units are in g/gal

mix in order ↓

	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	4	4	4	4	4	4	4	4	4	4	4	2	
powder b	4	4	4	4	4	4	4	4	3	3	3	3	3	
powder c						1	1	1	2	2	2	2	2	
powder d	0.2	0.2	0.2	0.2	0.27	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			
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)								

notes

- **Ensure Powder A is eliminated at least 10 days before harvest.**
- If you are experiencing any issues, contact:

Jason:
@_maxoutmgmt_

Travis:
@divergent_flowers2.0

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

notes

- 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							
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

notes

- 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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PROPER (STOCK CONCENTRATES) (A, B, C, D) POWDER

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mix in order ↓

	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	17	17	17	17	17	17	17	17	17	17	17	17	8	
powder b	17	17	17	17	17	17	17	17	13	13	13	13	13	
powder c						8	8	8	17	17	17	17	17	
powder d	17	17	17	17	17	17	17	17	17	17	17	17	8	
flow (optional)	2	2	2	2	2	2	2	2	2	2	2			
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 (°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

concentrates

- **Ensure Powder A is eliminated at least 10 days before harvest.**
- Stock Concentrations:
  Powder A: 2 lb/gal
  Powder B: 2 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: 0.068 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
8	0.21	475
13	0.34	280
17	0.44	225

notes

- 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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	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	17	17	17	17	17	17	17	17	17	17	17	17	8	
powder b	17	17	17	17	17	17	17	17	13	13	13	13	13	
powder c						8	8	8	17	17	17	17	17	
flow (optional)	2	2	2	2	2	2	2	2	2	2	2			
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	
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LED														
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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

concentrates

- **Ensure Powder A is eliminated at least 10 days before harvest.**
- Mix Powder A & D together at: 25 lbs Powder A to 500 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: 40 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.

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mL	%	Ratio
8	0.21	475
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notes

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