



## 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    | 0.2    | 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      |        |        |       |
| 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)<br>5.9-6.2 (Soil) |        |        |        | 5.7-6.2 (Coco & Rockwool)<br>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 <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 (°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 <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 2-5° 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 1-4° 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

| proper 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                                      | 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)<br>5.9-6.2 (Soil) |        |        |        | 5.7-6.2 (Coco & Rockwool)<br>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 <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 (°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 <sub>2</sub> (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.



## proper

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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 + d    | 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    |        |       |
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### LED

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|-----------------------|-----|---|--|--|--|--|--|--|-----------|--|--|----------|---------|-------|
| Day Temp (°F)         |     | 80-84                                       |  |  |  | 80-84  |  |  | 80-82     |  |  | 78-80    | 76-78   | 74-76 |
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| RH (%)                |     | 65-70                                       |  |  |  | 65-70  |  |  | 60-65     |  |  | 53-58    | 45-50   | 40-45 |
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| CO <sub>2</sub> (PPM) |     | 600   |  |  |  | 1100-1400  |  |  | 1100-1400 |  |  | 900-1000 | 800-900 | 700   |
| Substrate EC          |     | <5  |  |  |  | <8   |  |  | <5        |  |  | <3       | <3      | <1    |

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| 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 |
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| CO <sub>2</sub> (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.

### doser conversions

| mL | %    | Ratio |
|----|------|-------|
| 8  | 0.21 | 475   |
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