

## Running Record

Start date: 10/06/19

Day: 10

Flowers: -88

Rough avg  
of 4 res.

Running  
Averages

Week: 1

76 °F

46%

5.81

257.7

66 °F

| Week | DATE     | TENT<br>TEMP | TENT RH | PH   | TDS (PPM) | WATER TEMP<br>(FAHRENHEIT) |
|------|----------|--------------|---------|------|-----------|----------------------------|
| 0    | 10/06/19 | 76.2 °F      | 45%     |      |           |                            |
| 0    | 10/07/19 | 78.2 °F      |         | 6.00 | 2         | 77 °F                      |
| 0    | 10/11/19 | 76.6 °F      | 58%     | 5.50 |           | 62 °F                      |
| 0    | 10/13/19 |              |         |      |           |                            |
| 1    | 10/14/19 | 75.7 °F      | 40%     | 5.75 | 237       | 62 °F                      |
| 1    | 10/16/19 | 71.9 °F      | 42%     | 6.00 | 534       | 61 °F                      |

## Running Record

| 0                       |                                                                                  |
|-------------------------|----------------------------------------------------------------------------------|
| LIGHT CYCLE<br>(ON/OFF) | NUTE ADDED<br>(in ounces)                                                        |
| -                       | -                                                                                |
| 18/6                    | -                                                                                |
| 18/6                    |                                                                                  |
| 18/6                    | 5 tsp BB<br>2.5 tsp GB<br>1 Tsp CalMag<br>Dusted rooter plug<br>with Great White |

## Running Record

### APPEARANCE

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None

One seedling has erupted as of 10/9.

Still tuning environment. Still only 1 seedling above ground. Checked another seed. Showing tap root trying to erupt. This could take another few days.

One seedling has failed to show any signs of life. Two others looking slow. One seedling looks robust. Disposed of 1 failure and replaced with remaining seed.

3 Seedlings failed. Will order more seeds soon. In the meantime, survivor is in Hydroton. Will add nutes soon.

## Running Record

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### NOTES

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4 Northern Lights (auto) are germinating in plugs on the kitchen cabinet.

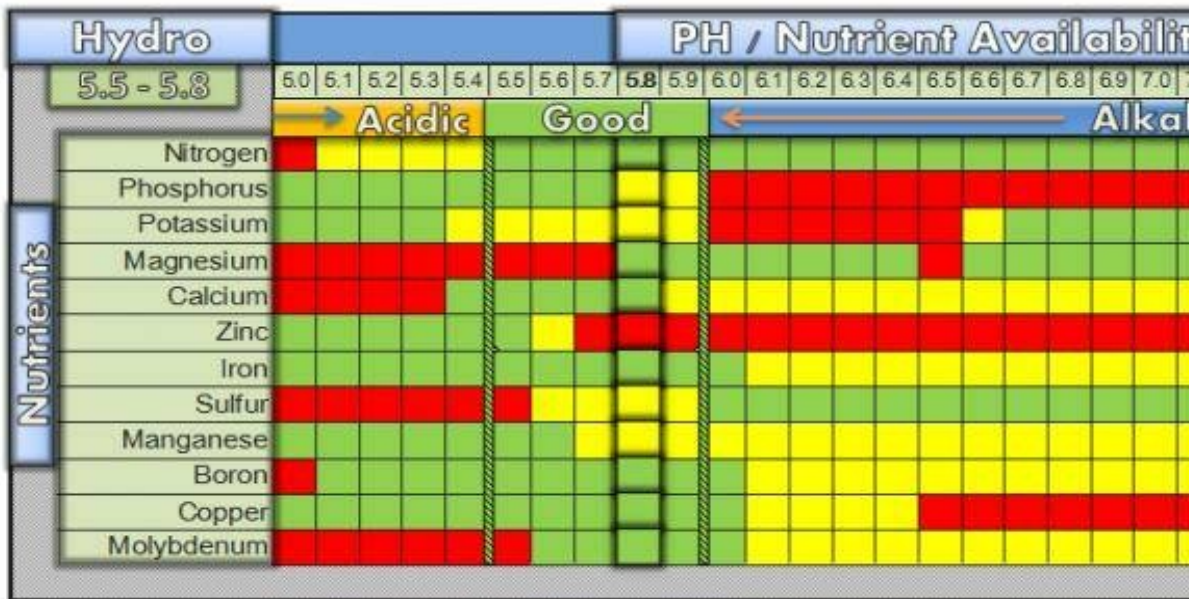
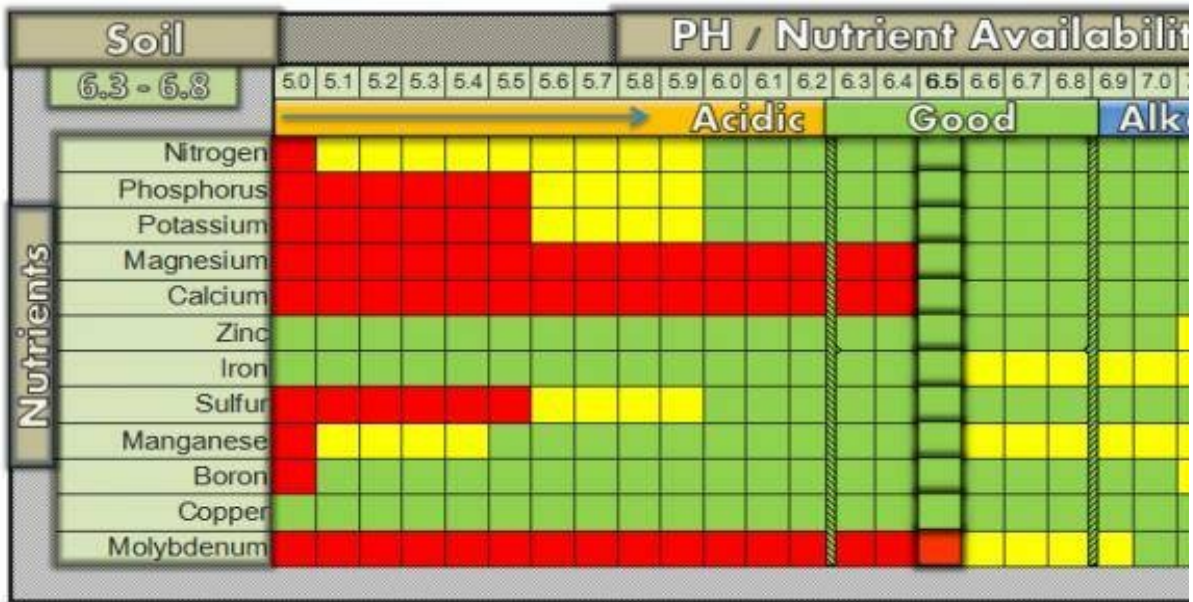
Washed buckets and lids. Filled buckets and installed in tent with airlines agitating water. PH meter not working – will not calibrate. Ordered a new meter. Liquid PH test shows PH around 2 after 3 pipettes of PH Down (started at around 8). Will continue to agitate and watch PH prior to placing plugs. No sign of germination as of Day 2.

Tent is back together in toto. Placed germinating containers in tent. Water continues to agitate, PH still high. Exhaust is routed and fan is running to keep temp down. Placed humidifier in tent to bring humidity up. Waiting on 3 of the seedlings to erupt. PH readings are a rough average. Reservoirs vary from PH of 5 to 6 moles/liter.

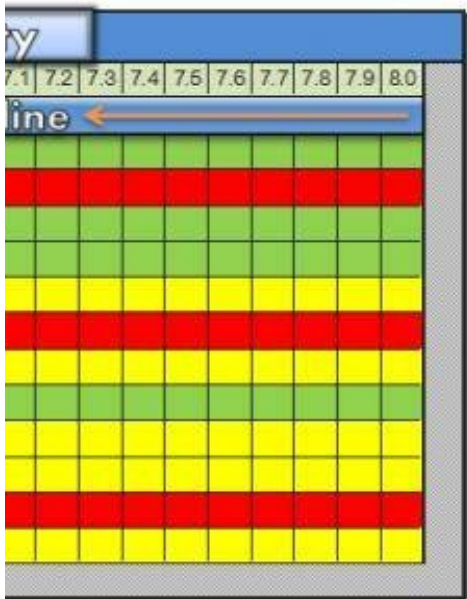
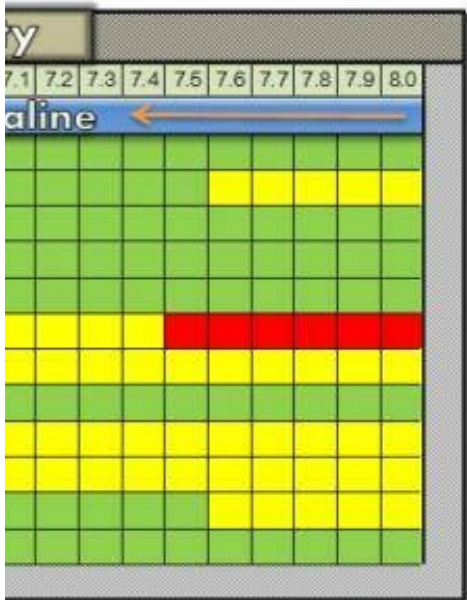
Temp in seedcups may be low. Scaling back exhaust to see if it helps. PH in reservoirs is challenging.

Nothing much to report. PH is a struggle in 4 different reservoirs. Am trying to keep a water can of PH balanced water to make things easier. Added nutrients and lowered light. TOO MUCH NUTRIENT – had to change out water to get TDS down.

# PH Reference



# PH Reference





# Hydroponic Feeding S

During the flowering stage, reduce the amount of light from 18 hours to 12 hours. For best results, maintain a pH range of 5.8 to 6.3. Keep ambient temperature between 18-30°C (65-86°F). In hot environments water levels will decrease due to plant transpiration and evaporation. This can cause higher salt concentrations in your reservoir. Add fresh water to top off reservoir. Never mix pure concentrates together, always add water first. Should plants show signs of stress or color irregularities, flush

your system with SledgeHammer® combined salt build-up and heal the root bio-culture. Check to achieve full strength EC. Procedure for feeding fresh water to top off system. Check EC to appropriate ratios until the needed EC gain is achieved. Flush system again one to two weeks prior to harvest.

## TEASPOONS PER GALLON OF WATER



## FEED AS

| Time*           | Weeks | Seedlings and Cuttings | 1       | 2         | 3         |           | 4         |           | 5         |           | 6         |           | 7         |           | 8         |           |
|-----------------|-------|------------------------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Light           | Hours | 18                     | 18      | 18        | 18        | 18        | 18        | 18        | 12        | 12        | 12        | 12        | 12        | 12        | 12        | 12        |
| EC              | Range | 0.7-0.9                | 1.2-1.4 | 1.5-1.7   | 1.8-2.0   | 2.0-2.2   | 1.6-1.8   | 1.6-1.8   | 1.8-2.0   | 2.1-2.3   | 1.8-2.0   | 2.1-2.3   | 1.8-2.0   | 2.1-2.3   | 1.8-2.0   | 2.1-2.3   |
| PPM             | Range | 490-530                | 840-980 | 1050-1190 | 1260-1400 | 1400-1540 | 1120-1260 | 1120-1260 | 1260-1400 | 1470-1610 | 1260-1400 | 1470-1610 | 1260-1400 | 1470-1610 | 1260-1400 | 1470-1610 |
| Big Bloom®      |       | 2 tsp                  | 3 tsp   | 3 tsp     | 3 tsp     | 3 tsp     | 3 tsp     | 3 tsp     | 3 tsp     | 3 tsp     | 3 tsp     | 3 tsp     | 3 tsp     | 4 tsp     | 3 tsp     | 4 tsp     |
| Grow Big® Hydro |       | 1 tsp                  | 2 tsp   | 2 tsp     | 3 tsp     | 3 tsp     | 1 tsp     |           | 1 tsp     |           |           |           | 2 tsp     | 2 tsp     |           |           |
| Tiger Bloom®    |       |                        |         |           |           |           | 1 tsp     | 2 tsp     |           |           |           |           |           | 1 tsp     |           |           |
| Kangaroots®     |       |                        |         | 0.5 tsp   |           | 0.5 tsp   |           | 1 tsp     |           |           |           |           |           |           |           |           |
| Microbe Brew®   |       |                        |         | 0.5 tsp   | 0.5 tsp   |           | 0.5 tsp   |           | 0.5 tsp   |           |           |           | 0.5 tsp   |           |           |           |
| Open Sesame®    |       |                        |         |           |           | 0.25 tsp  | 0.25 tsp  | 0.25 tsp  |           |           |           |           |           |           |           |           |
| Beastie Bloomz® |       |                        |         |           |           |           |           |           |           |           |           |           | 0.25 tsp  |           |           |           |
| Cha Ching®      |       |                        |         |           |           |           |           |           |           |           |           |           |           | 0.25 tsp  |           |           |

SledgeHammer Flush: 1/4 tsp/gallon of water

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\*FOR LONGER GROW CYCLES:

Continue the week 12 feeding schedule until harvest.

## Feeding

**chedule**  
with Big Bloom® to remove unwanted  
change reservoir and add fresh nutrients  
feeding between reservoir changes: Add  
before feeding. Add nutrients in their  
s achieved. For edible plants flush the  
st. Always remember to adjust your pH.

| EC REQUIRES |           |                                              |           |           |
|-------------|-----------|----------------------------------------------|-----------|-----------|
| 9           | 10        | Sledge Hammer Flush: 1/4 tsp/gallon of water | 11        | 12        |
| 12          | 12        |                                              | 12        | 12        |
| 2.1-2.3     | 2.1-2.3   |                                              | 2.1-2.3   | 2.1-2.3   |
| 1470-1610   | 1470-1610 |                                              | 1470-1610 | 1470-1610 |
| 4 tsp       | 4 tsp     |                                              | 4 tsp     | 4 tsp     |
| 2 tsp       | 2 tsp     |                                              | 2 tsp     | 2 tsp     |
| 1 tsp       | 1 tsp     |                                              | 1 tsp     | 1 tsp     |
|             |           |                                              |           |           |
| .5 tsp      |           |                                              | .5 tsp    |           |
|             |           |                                              |           |           |
| .25 tsp     | .25 tsp   |                                              | .25 tsp   | .25 tsp   |

### CALCULATE NUTRIENTS

REMEMBER TO CUT THESE IN HALF

| # of teaspoons | # of gallons rez | Fluid ounces | cups |
|----------------|------------------|--------------|------|
| 0.5            | 25               | 2.083        | 0.26 |
| 1              | 25               | 4.167        | 0.52 |
| 2              | 25               | 8.333        | 1.04 |
| 3              | 25               | 12.500       | 1.56 |
| 4              | 25               | 16.667       | 2.08 |
| 5              | 25               | 20.833       | 2.60 |

### CONVERT TDS TO EC

(approximate value)  
PPM EC

|     |       |
|-----|-------|
| 621 | 1.242 |
| 500 | 1     |

### TEMP CONVERSION

Fahrenheit Celsius

|       |       |
|-------|-------|
| 70.00 | 21.11 |
| 71.60 | 22.00 |

<https://forum.grasscity.com/threads/questions-from-a-first-time-dw>

### ROOT ROT

Forum user recommends 8 drop of clorox per gallon, which is abo  
I put the bleach in a dropper bottle, and dose a 12 Gal res with 2 c  
The Current Culture brand equivalent, UC Roots, is a much weak

CalMag – Consider Epson Salts

**Big Bloom** 0 - 0.5 - 0.7

**Grow Big** 6 - 4 - 4

**Tiger Bloom** 2 - 8 - 4



## Feeding

[rc-grower.1526021/#post-24432457](#)

ut 0.5 mL bleach.  
dropper fulls (2 mL) per day.  
er dose of bleach.