How to use/Example table

INTRODUCTION:

The life cycle of a plant can be divided in two main stages, the vegetative growth period and the flowering period.

Both stages can be subclassified into different stages with different needs.

VEGETATIVE GROWTH PHASE:

- 1.) Seedling stage (< 6")
- 2.) Young plant & rooted cuttings (6-10")
- 3.) Maturing plant (10-14")
- 4.) Mature plant (>14")

FLOWERING PHASE:

- 1.) Pre-flowering / Transition to flowering (week 1-3)
- 2.) Flower formation and growth (week 3-6)
- 3.) Ripening of flowers (week 7+)

| | | | Stages vegetativ | of the e growth | | | | | Stag flow | ges of t ering cy | he /cle | EXA | TABLE | ĹĘ |
|---|--------------------------------|----------------------|---|------------------------------|--------------------------|-----------------------|--------|--------|--------------|-----------------------|-----------------|--------|-----------------|---|
| | | | Gro | wing | | | | | | lowering | 5 | | | |
| | Short Flowering | Seedlings (< 6'') | Young plants / rooted cuttings (6-10'') | Maturing plants (10-14'') | Mature plants (>14'') | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 |
| | Grow / Short Flowering (g/gal) | 2.1 | 2.3 | 2.5 | 2.6 | 3.0 | 3.0 | 2.6 | 2.3 | 2.3 | 1.9 | 1.9 | 1.5 | FLUSH |
| | EC (mS/cm) | 0.8 | 0.9 | 1.0 | 1.0 | 1.1 | 1.1 | 1.0 | 0.8 | 0.8 | 0.7 | 0.7 | 0.6 | 0.0 |
| | TDS (ppm) | 412 | 449 | 487 | 524 | 559 | 559 | 489 | 419 | 419 | 349 | 349 | 280 | 0 |
| Amount of Nutrients | | | | | | | | | | | | | | |
| Amount of Nutrients _ per gallon water | Booster PK+ (g/gal) | | | | | | | 0.8 | 1.3 | 1.5 | 1.9 | 2.3 | 1.9 | FLUSH |
| | EC (mS/cm) | | | | | | | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.5 | 0.0 |
| | TDS (ppm) | | | | | | | 100 | 175 | 200 | 250 | 300 | 250 | 0 |
| | Calcium (g/gal) | 1.9 | 3.0 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 4.9 | 4.9 | 3.0 | FLUSH |
| | | | | | | and the second second | 1000 | | | and the second second | a second second | | A Second Second | a second s |
| | EC (mS/cm) Calcium | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.3 | 0.0 |
| | TDS (ppm)Calcium | 100 | 160 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 260 | 260 | 16 | 0 |
| Total EC/TDS values of - | EC total (mS/cm) | 1.0 | 1.2 | 1.4 | 1.4 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.7 | 1.8 | 1.4 | 0.0 |
| the Nutrient Solution | TDS total (ppm) | 512 | 609 | 687 | 724 | 759 | 759 | 789 | 794 | 819 | 859 | 909 | 546 | 0 |

EC/TDS Values of each product

*Hanna TDS (500ppm = 1,0 mS/cm)

IMPORTANT!

- The values in the following tables are calculated using water with EC 0.0
- The pH value may decrease depending on water quality and temperatures
- When adding Calcium the PH values may increase depending on water quality and temperatures
- Do not use CalMag with our mineral line. Calcium Nitrate is partly incompatible with Monopotassium Phosphate and Magnesium Sulfate and may result in formation of gypsum, clogging pipes or creating deficiencies
- Our mineral plant nutrients do not contain calcium, which means that if you use very soft water, rainwater or osmotic water, calcium needs to be added
- Keep the nutrient solution between 65 72 degrees F
- Control the EC of the runoff and flush if it's higher than EC 2.5 (1250ppm)
- For best results maintain a pH value between:
- > Soil: 6.0 6.5
- > Hydro/Coco: 5.8 6.2
- > Rockwool: 5.5 6.0

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|-----------------------|-----------|--|-------------------------------|------------|-----------|---------------------|
| | | Week 13 | FLUS | 0.0 | • | FLUSH |
| | | Week 12 | 1.5 | 9.0 | 280 | 1.9 |
| COCO EC:0.0 mS/cm) | | Week 11 | 1.5 | 0.6 | 280 | 2.6 |
| U | | Week 10 | 1.5 | 0.6 | 280 | 2.6 |
| 689 | | Week 9 | 1.5 | 0.6 | 280 | 2.6 |
| 606 | 50 | Week 8 | 1.9 | 0.7 | 349 | 2.3 |
| 606 | Flowering | Week 7 | 1.9 | 0.7 | 349 | 1.9 |
| 894 | | Week 6 | 2.3 | 0.8 | 419 | 1.7 |
| 844 | | Week 5 | 2.3 | 0.8 | 419 | 1.3 |
| 864 | | Week 4 | 2.5 | 0.9 | 454 | 1.1 |
| | | Week 3 | 2.6 | 1.0 | 489 | 0.8 |
| 10V | | Week 2 | 3.0 | 1.1 | 559 | |
| | | Week 1 | 3.0 | 1.1 | 559 | |
| onal | | Mature plants Week | 2.8 | 1.1 | 562 | |
| ofessional Grower | Growing | Maturing plants (10-14'') | 2.8 | 1.1 | 562 | |
| ⁶⁴⁷ Pr | Gro | Young plants / rooted cuttings (6-10") | 2.5 | 1.0 | 487 | |
| dule | | Seedlings (< 6'') | 2.3 | 0.9 | 449 | |
| Feeding Schedule | | longFlowering | Grow / Long Flowering (g/gal) | EC (mS/cm) | TDS (ppm) | Booster PK+ (g/gal) |

| | | | | | | | | | | |
|-------------------------------|------------|-----------|---------------------|------------|-----------|-----------------|--------------------|------------------|------------------|-----------------|
| FLUSH | 0.0 | 0 | FLUSH | 0.0 | 0 | FLUSH | 0.0 | 0 | 0.0 | 0 |
| 1.5 | 0.6 | 280 | 1.9 | 0.5 | 250 | 3.0 | 0.3 | 160 | 1.4 | 689 |
| 1.5 | 0.6 | 280 | 2.6 | 0.6 | 300 | 3.8 | 0.4 | 200 | 1.6 | 779 |
| 1.5 | 0.6 | 280 | 2.6 | 0.7 | 349 | 3.8 | 0.4 | 200 | 1.7 | 829 |
| 1.5 | 0.6 | 280 | 2.6 | 0.7 | 349 | 4.9 | 0.5 | 260 | 1.8 | 889 |
| 1.9 | 0.7 | 349 | 2.3 | 0.6 | 300 | 4.9 | 0.5 | 260 | 1.8 | 606 |
| 1.9 | 0.7 | 349 | 1.9 | 0.5 | 250 | 4.9 | 0.5 | 260 | 1.7 | 859 |
| 2.3 | 0.8 | 419 | 1.7 | 0.4 | 225 | 3.8 | 0.4 | 200 | 1.7 | 844 |
| 2.3 | 0.8 | 419 | 1.3 | 0.3 | 175 | 3.8 | 0.4 | 200 | 1.6 | 794 |
| 2.5 | 0.9 | 454 | 1.1 | 0.3 | 150 | 3.8 | 0.4 | 200 | 1.6 | 804 |
| 2.6 | 1.0 | 489 | 0.8 | 0.2 | 100 | 3.8 | 0.4 | 200 | 1.6 | 789 |
| 3.0 | 1.1 | 559 | | | | 3.8 | 0.4 | 200 | 1.5 | 759 |
| 3.0 | 1.1 | 559 | | | | 3.8 | 0.4 | 200 | 1.5 | 759 |
| 2.8 | 1.1 | 562 | | | | 3.8 | 0.4 | 200 | 1.5 | 761 |
| 2.8 | 1.1 | 562 | | | | 3.8 | 0.4 | 200 | 1.5 | 761 |
| 2.5 | 1.0 | 487 | | | | 3.0 | 0.3 | 160 | 1.3 | 647 |
| 2.3 | 0.9 | 449 | | | | 1.9 | 0.2 | 100 | 1.1 | 549 |
| Grow / Long Flowering (g/gal) | EC (mS/cm) | TDS (ppm) | Booster PK+ (g/gal) | EC (mS/cm) | TDS (ppm) | Calcium (g/gal) | EC (mS/cm) Calcium | TDS (ppm)Calcium | EC total (mS/cm) | TDS total (ppm) |
| _ | | | | | | | | | | |

| EC (mS/cm) Calcium | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.0 |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TDS (ppm)Calcium | 100 | 160 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 260 | 260 | 260 | 200 | 200 | 160 | 0 |
| | | | | | | | | | | | | | | | | | |
| EC total (mS/cm) | 1.1 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.8 | 1.8 | 1.7 | 1.6 | 1.4 | 0.0 |
| TDS total (ppm) | 549 | 647 | 761 | 761 | 759 | 759 | 789 | 804 | 794 | 844 | 859 | 606 | 889 | 829 | 779 | 689 | 0 |
| | | | | | | | | | | | | | | | | | |