# Grow and Bloom in Teaspoons

**All values** are in teaspoons (tsp) per 1 Gal / 4 Liters

| Stage of Growth | Grow Stage | | | | Fruiting / Flowering Stage | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Number of Weeks | Week 1 | Week 2 | Week 3 | Week 4 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 |
| GROW | 1 tsp | 1 tsp | 1.5 tsp | 1.5 tsp | | | | | | | | |
| BLOOM | | | | | 1 tsp | 1.5 tsp | 2 tsp | 2 tsp | 2 tsp | 2 tsp | 1.5 tsp | |
| TERPZ (Liquid Concentrate) | 5-10 mL | 5-10 mL | 5-10 mL | 5-10 mL | 10-15 mL | 10-15 mL | 10-15 mL | 10-15 mL | 10-15 mL | 10-15 mL | 10-15 mL | |
| Nitrogen | | | | | | | | | | | | |
| Phosphorus | | 1/16 tsp | | | 1/8 tsp | 1/8 tsp | 1/8 tsp | | | | | |
| Potassium | | | | | | | | 1/8 tsp | 1/8 tsp | 1/8 tsp | | |
| Kelp | | | | | | | | | | | | |
| Humic Acid | | | | | | | | | | | | |
| Silica | | | | | | | | | | | | |
| Yucca | | | | | | | | | | | | 1/2 (5 gal) |
| B-Vitamin | 1/8 tsp | | | 1/8 tsp | | 1/8 tsp | 1/8 tsp | 1/4 tsp | 1/4 tsp | 1/8 tsp | | |
| Calcium / Mag | | 1/8 tsp | 1/4 tsp | 1/4 tsp | 1/8 tsp | 1/8 tsp | 1/8 tsp | 1/8 tsp | 1/16 tsp | 1/16 tsp | | |
| Full Up | | | | | | | | 1/8 tsp | 1/8 tsp | 1/8 tsp | | |
| Amino Acids | 1/8 tsp | 1/4 tsp | 1/4 tsp | 1/4 tsp | 1/4 tsp | 1/8 tsp | 1/8 tsp | 1/8 tsp | 1/8 tsp | 1/16 tsp | 1/16 tsp | |
| Cane Molasses | | | | | | | | | | | | 1/4 tsp |
| Microbes Grow Stage | 1/2 - 1 tsp | 1/2 - 1 tsp | 1/2 - 1 tsp | 1/2 - 1 tsp | | | | | | | | |
| Microbes Bloom Stage | | | | | 1/2 - 1 tsp | 1/2 - 1 tsp | 1/2 - 1 tsp | 1/2 - 1 tsp | 1/2 - 1 tsp | 1/2 - 1 tsp | | |
| Enzymes | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp | 1/16 tsp |

1. Ideal daytime temperature should be 75° - 80° F. If using extra CO2 temps can be 75° - 85° F.
2. Ideal night time temperature should be 66° - 72° F.
3. Humidity in the grow stage should be approx 60% and in flowering stage should be approx 50%.
4. Always check pH before adding Microbes and/or feeding your nutrient solution to your plants. Aim for 6.0 pH.
5. PPM of your nutrient solution should be 600 - 800 in Grow and 800 - 1000 in Flowering. Some plants may need more than this. Start low and you can always add more fertilizer. It's hard to take it out once it's in your grow medium!
6. Fertilize 1 - 2 times per week and use straight water in between, when needed (feed, water, feed (or) feed, water, water, feed).
7. Soil and Coco growers should test the PPM's of your runoff after watering. If it is much higher than what you just fed, use less (or no) fertilizer on the next watering. Be careful not to OVER water. If the top 1" - 2" of medium feels dry, it's generally safe to water your plant.

*For more grow tips, check out NPK-University.com for our weekly live classes. Check out NPK Industries on YouTube!*