### Maxi Recirculating

- Nutrient solution runoff drains to reservoir and is reused.
- Typically, "soil" gardens are NOT recirculating.

#### Growth Phase 18 Hour Photoperiod

<table>
<thead>
<tr>
<th>Week</th>
<th>Seedling</th>
<th>Early Growth</th>
<th>Late Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>590 - 700 total ppm</td>
<td>0.5 tsp</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 2</td>
<td>900 - 1100 total ppm</td>
<td>1 tsp</td>
<td>2.5ml</td>
</tr>
<tr>
<td>Week 3</td>
<td>900 - 1100 total ppm</td>
<td>1 tsp</td>
<td>2.5ml</td>
</tr>
</tbody>
</table>

#### Bloom Phase 12 Hour Photoperiod

<table>
<thead>
<tr>
<th>Week</th>
<th>Seedling</th>
<th>Early Bloom</th>
<th>Mid Bloom</th>
<th>Ripen</th>
<th>Flush</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 4</td>
<td>1100 - 1300 total ppm</td>
<td>0.5 tsp</td>
<td>1ml</td>
<td>2.5ml</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 5</td>
<td>1100 - 1300 total ppm</td>
<td>0.5 tsp</td>
<td>2ml</td>
<td>2.5ml</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 6</td>
<td>1100 - 1300 total ppm</td>
<td>0.5 tsp</td>
<td>2ml</td>
<td>2.5ml</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 7</td>
<td>1100 - 1300 total ppm</td>
<td>0.5 tsp</td>
<td>2ml</td>
<td>2.5ml</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 8</td>
<td>1100 - 1300 total ppm</td>
<td>0.5 tsp</td>
<td>2ml</td>
<td>2.5ml</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 9</td>
<td>1100 - 1300 total ppm</td>
<td>0.5 tsp</td>
<td>2ml</td>
<td>2.5ml</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 10</td>
<td>1100 - 1300 total ppm</td>
<td>0.5 tsp</td>
<td>2ml</td>
<td>2.5ml</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 11</td>
<td>1100 - 1300 total ppm</td>
<td>0.5 tsp</td>
<td>2ml</td>
<td>2.5ml</td>
<td>5ml</td>
</tr>
</tbody>
</table>

*For additional weeks of growth, repeat week 2 or 3.
**For additional weeks of bloom, repeat week 6 or 7.

Monitor plants for signs of stress when feeding aggressive formulas.

### Recirculating Nutrient Solution Tips

- Keep nutrient solution temperature below 78°F (24°C).
- Change nutrient solution every 7-10 days and top off with fresh water between nutrient changes.
- Monitor nutrient solution ECC.
- For best results maintain nutrient solution pH between 5.6 - 6.8.

### Troubleshooting Factors to Consider:

- Arid, bright, hot environments cause plants to drink more than if they are grown where it's humid, dim, and cool. Thus, gardeners should use less concentrated nutrient solutions when growing conditions are more intense in order to lessen the risk of overfeeding.
- The pH (acidity or alkalinity) of a nutrient solution affects the availability of the elements contained within. Use pH adjusters to maintain nutrient pH between 5.6 - 6.8.

**Useful Conversions**

- 1 TSP = 5 ml
- 1 TSP = 15 ml
- 1 oz = 30 ml
- 1 Q = 946 ml
- 1 Gal = 3.785 L
- 1 Gal = 128 oz

### Maxi Drain To Waste

- Can be soil, soilless, coco or hydroponic.
- Nutrients are not reused.

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<th>Late Growth</th>
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<tr>
<td>Week 1</td>
<td>200 - 300 total ppm</td>
<td>0.25 tsp</td>
<td>2.5ml</td>
</tr>
<tr>
<td>Week 2</td>
<td>600 - 900 total ppm</td>
<td>0.5 tsp</td>
<td>5ml</td>
</tr>
<tr>
<td>Week 3</td>
<td>600 - 900 total ppm</td>
<td>0.75 tsp</td>
<td>5ml</td>
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<tr>
<td>Week 5</td>
<td>1600 - 2000 total ppm</td>
<td>0.75 tsp</td>
<td>2.5ml</td>
<td>1ml</td>
<td>10ml</td>
</tr>
<tr>
<td>Week 6</td>
<td>1600 - 2000 total ppm</td>
<td>0.75 tsp</td>
<td>2.5ml</td>
<td>1ml</td>
<td>10ml</td>
</tr>
<tr>
<td>Week 7</td>
<td>1600 - 2000 total ppm</td>
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### Drain to Waste Nutrient Solution Tips

- Keep nutrient solution temperature below 78°F (24°C).
- Allow 8% - 20% runoff during each irrigation.
- Consider fresh water irrigation after 1 - 3 nutrient applications. These nutrients are not reused. To flush avoid fresh water irrigation after three nutrient applications to flush excess mineral accumulation.
- Keep nutrient solution EC.
- For best results maintain nutrient solution pH between 5.6 - 6.8.

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