

IONIC schedule – Hydroponics

	Mineral Nutrition	Liquid Silicon	Liquid Oxygen	Growth Enhancement
	<i>Mineral nutrition is essential for plants in hydroponic system. It is easy to grow great crops with well-managed mineral nutrients.</i>	<i>Liquid Silicon will have dramatic effects on plant growth and health. It will also provide resistance to moulds and diseases.</i>	<i>Liquid Oxygen can enrich nutrient solutions with pure, life giving oxygen. It accelerates the growth processes whilst destroying harmful pathogens and diseases.</i>	<i>Growth enhancers are not essential for plant growth in hydroponic systems but, used properly, they can help to produce enhanced crops of higher quality and yield.</i>
Seedlings and Clones	<p>Make up IONIC Grow in the nutrient tank.</p> <p>Use Hard Water formulations if necessary.</p>		<p>Add Liquid Oxygen to the tank – it can be added daily at 5 ml per 20 litres or every 2 days at 5 ml per 10 litres.</p>	<p>Young plants can be foliar fed with Nitrozyme. Mix in clean water at 5 ml per litre. Mist the whole plant in low light.</p> <p>Repeat weekly until last 4 weeks.</p> <p>GreenFuse Root can be given to seedlings, clones and young plants. Mix in water at 1 ml per litre warm water into Rockwool or other media. Can also be misted over foliage.</p>
<p>EC 1.5 mS</p> <p>pH 5.8–6.2</p> <p>Change tank every 10–14 days</p>				
Young Plants	<p>Maintain nutrient at around 1.8 mS with pH around 6.</p>	<p>Add Liquid Silicon at 1ml per litre. Check and correct pH back to 6. Repeat weekly.</p>	<p>Liquid Oxygen daily if possible.</p>	<p>GreenFuse Grow can be added to the tank with every tank change. Follow instructions carefully.</p> <p>Maintain throughout the life of the crop.</p>
<p>EC 1.8 mS</p> <p>pH 5.8–6.2</p>				
Early flowering	<p>Make up IONIC Grow in the nutrient tank. It is a good idea to use the Grow formulation for the first week of flowering period. Then switch to Bloom.</p> <p>Use Hard Water formulations if necessary.</p>	<p>Add Liquid Silicon at 1ml per litre. Check and correct pH back to 6. Repeat weekly.</p>	<p>Liquid Oxygen daily if possible.</p>	<p>GreenFuse Bloom can be added to the tank with every tank change. Add at 1–2 ml per litre and mix thoroughly.</p> <p>Maintain throughout the life of the crop.</p>
<p>EC 2.0 mS</p> <p>pH 5.8–6.2</p> <p>Change tank every 7–10 days</p>				
Flowering	<p>Make up IONIC BLOOM in the nutrient tank.</p> <p>Add IONIC BOOST at 1 ml per litre of tank volume. Repeat twice weekly</p> <p>Keep EC around 2.0 mS and pH at 6 or slightly under.</p>	<p>Add Liquid Silicon at 1ml per litre. Check and correct pH back to 6. Repeat weekly.</p>	<p>Liquid Oxygen daily if possible.</p>	<p>GreenFuse Bloom can be added to the tank with every tank change. Add at 1–2 ml per litre and mix thoroughly.</p>
<p>EC 2.0 mS</p> <p>pH 5.8–6.2</p> <p>Change tank every 7 days</p>				

Tank Changes – the sequence.

1. Empty old tank – rinse thoroughly and fill with fresh water.
2. Use pump if possible to stir and agitate the water.
3. Add the appropriate IONIC nutrient solution – usually at around 7 ml per litre. Mix thoroughly.
4. Check EC – add more nutrient if necessary – mixing well until EC is at desired level (usually 1.5–2 mS).
5. If using BOOST – add now at 1–2 ml per litre in the tank. Mix well.
6. If using Liquid Silicon – add now at 1ml per litre of tank volume.
7. Check and correct the pH (ideal range 5.8–6.2). Use pH DOWN to lower pH. If pH needs raising then Liquid Silicon is the best option.
8. Add Liquid Oxygen at the recommended rate and make a final check of pH before allowing nutrient to circulate to plants.
9. If GreenFuse (or any other organic additive) is being used, it should be added now. It may be a good idea to reduce the application of Liquid Oxygen to 50% of the recommended rate if using GreenFuse.

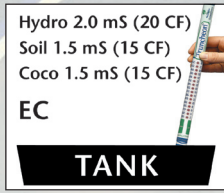


Growth Technology



IONIC – any formulation

1. Calculate total tank volume.
2. Add IONIC at 7 ml/litre (e.g. for a 10 litre tank add 70 ml).
3. Stir thoroughly, running the pump if possible.
4. Check conductivity of the solution. (See chart below for recommended levels.) Add more nutrient if necessary.
5. Check pH of solution.
6. If required, adjust using Growth Technology pH UP or pH DOWN.



IONIC BOOST

1. Make up an IONIC BLOOM formulation in the usual way.
2. Stir tank thoroughly.
3. Add IONIC BOOST to tank at the rate of 1 ml/litre.
4. Stir again then check and correct the pH.
5. Use nutrient in the normal way. IONIC BOOST can be added to the tank on a weekly basis for the final six weeks before harvest.

IONIC schedule – Soil & Coco

Mineral Nutrition

Mineral nutrition is essential for plants in Soil and Coco. It is easy to grow great crops with well-managed mineral nutrients.

GreenMyst Solutions

GreenMyst solutions are designed to empower plants in Soil and Coco. GreenMyst Humic will greatly enhance the fertility of the medium and supercharge growth.

Growth Enhancement

Growth enhancers are not essential for plant growth in soil and coco but, used properly, they can help to produce enhanced crops of higher quality and yield.

Seedlings and Clones

EC 1.2 mS
pH 5.8-6.2

Make up IONIC Soil or Coco Grow and supply to the young plants.

Pre-treat Soil or Coco with GreenMyst Humic. Make up solution at 5 ml per litre and soak the medium thoroughly. GreenMyst HUMIC can be supplied to the plants weekly. It can be added to the nutrient or to fresh water at 5 ml per litre. Mix thoroughly before supplying to plants. Can be used throughout the life of the crop.

GreenMyst Fish AGRA can also be supplied to the plants weekly during the vegetative period. It can be added to the nutrient or to fresh water at 5 ml per litre.

Young plants can be foliar fed with Nitrozyme. Mix in clean water at 5 ml per litre. Mist the whole plant in low light.

Repeat weekly until last 4 weeks.

GreenFuse Root can be supplied to young plants weekly, 1 ml per litre. Follow instructions carefully.

Young Plants

EC 1.5 mS
pH 5.8-6.2

Maintain nutrient at around 1.5 mS with pH around 6.

Water plants with GreenMyst Fish Agra at 5 ml per litre. Repeat at weekly intervals but discontinue in the flowering period.

GreenFuse Grow can be supplied to plants weekly, 1 ml per litre. Follow instructions carefully.

Early flowering

EC 1.5 mS
pH 5.8-6.2

Make up IONIC Soil or Coco Bloom and supply to plants. Supply IONIC BOOST at 1 ml per litre. Repeat twice weekly.

Water plants with GreenMyst Humic at 5 ml per litre. Repeat at weekly intervals until harvest.

GreenFuse Bloom can be supplied to plants weekly, 1-2 ml per litre. Follow instructions carefully. Continue right up to harvest.

Flowering

EC 1.5 mS
pH 5.8-6.2

Make up IONIC Soil or Coco Bloom and supply to plants. Supply IONIC BOOST at 1 ml per litre. Repeat twice weekly until harvest.

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