

Important Notes

- Dosages are in ml per L
- Add A&B BASE nutrients into reservoir separately

WEEK	EC
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Vegetative Cycle	1	1.1
	2	1.3
	3	1.5
	*4	1.5

**Repeat week 4 if extending Veg Stage*

Flowering Cycle	1	1.8
	2	1.8
	3	2.0
	4	2.0
	5	2.2
	6	2.0
	7	1.8
	*8	1.5

**Repeat week 8 until ripe if necessary*

Base Nutrients (Pick 1 Set)

Coco 2-Part

COCO A	COCO B
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1.5	1.5
2.0	2.0
2.5	2.5
2.5	2.5

Coco A&B	3.0	3.0
	3.0	3.0
	3.0	3.0
	3.0	3.0
	3.5	3.5
	3.0	3.0
	3.0	3.0
	2.5	2.5

Base Nutrients (Pick 1 Set)

Elements 4-Part

GROW A	GROW B
BLOOM A	BLOOM B

Elements Grow	2.0	2.0
	2.0	2.0
	2.5	2.5
	2.5	2.5

Elements Bloom	3.0	3.0
	3.0	3.0
	3.5	3.5
	3.5	3.5
	4.0	4.0
	3.5	3.5
	3.0	3.0
	2.5	2.5

Signature

Additives

ROOT NECTAR	PK HEAVY	CRYSTALIC
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1.0		
1.0		
1.0		
1.0		

1.0	0.5	
1.0	0.5	2.0
1.0	0.5	2.0
1.0	0.5	2.0
0.5	0.5	2.0
0.5	0.5	2.0
0.5		2.0
0.5		2.0

General Tips

- Do not premix concentrated nutrients.
- Shake all bottles thoroughly before use.
- Always add part A first, then add part B after part A has mixed with water.

Water Temperature

- Ideal water temperature is 18°C-23°C (62°F-72°F).

pH Management

- pH should be in the range of 5.8-6.2. For harder water, lower to 5.5-6.0.
- If using silica, always add first, let sit for one minute, then adjust to 6.5 before adding other products.
- A small dose of Si-phi can be used to raise the pH.

Flushing

- Do not flush substrate at any stage with straight water.
- Flush at an EC of 0.5
- FLUSH EC made with base all weeks except final two, where **Crystalic** can be used to make flush EC.

LED Lighting Considerations

If using LED lighting, EC can be increased by 0.2 to 0.5, depending on the plant type.

Extreme Heat Considerations

During extreme heat, increase the regularity of feeding and decrease EC by 10%. Increase pH monitoring.

Vegetative & Flowering/ Fruiting Extension

To extend the vegetative phase, repeat week 4 of grow. To extend the flowering/fruitletting phase, repeat the final week.

Senescence Management

Senescence is the natural ripening and fading stage of the plant's life cycle. The purpose of Ripe-N is to replace the standard A/B nutrients with a formula that removes nitrogen (typically supplied via calcium nitrate) but still provides vital calcium and a full suite of micronutrients. Use **Ripe-N** during Late Flower at 2.5-4ml/L (9.46-15.14 ml/gal).

This allows the plant to go through senescence without deficiency. When used alongside **Crystalic**, potassium levels are also maintained, helping flowers continue to bulk, densify, Sulphur to boost terpene and flavonoid production all the way to harvest, without the negative effects associated with excess nitrogen or magnesium.