

Nutrients

Guide to using CityGreen's nutrients



Understanding Plant Nutrition

Like humans, plants need food too. With the right nutrients, your plants will grow better, and produce more yield.

For wholesome growth, plants need a balanced mix of various different kind of nutrients. The nutrients required in maximum quantity are Nitrogen (N), Phosphorus (P), and Potassium (K), commonly referred to as NPK. Apart from NPK, plants may also need other macro nutrients like Sulphur, Calcium, Magnesium, and trace amount of micro nutrients like Iron, Zinc, Copper, Manganese, Boron, Molybdenum, and Chlorine.

N

NITROGEN

Promotes vegetative growth. Use for larger leaves, lush green plants.

P

PHOSPHORUS

Promotes reproductive growth. Use for more and bigger fruits and flowers.

K

POTASSIUM

Promotes overall health. Needed during all phases of plant's lifecycle.

Range

**NPK
Combo**

For all plants -
beginners

**Symphony
Combo**

For all plants -
advanced

**Greens
Combo**

For salads and
leafy greens

**Blooms
Combo**

For flowers, fruits
and vegetables

How should I prepare the nutrient solution?

The formulae below will help you create half strength solution. To make full strength solution, add double the quantity of nutrients.

NPK Solution: Add 1 ml each of N, K, and P to 1 litre of water .

Greens Solution: Add 2 ml of Greens and 1 ml of Nutes to 1 litre of water.

Blooms Solution: Add 2 ml of Blooms and 1 ml of Nutes to 1 litre of water.

For example, if you are using Symphony combo and want to prepare 10 litres of half-strength greens solution and 10 litres of full-strength blooms solution, then you should do the following:

1. Preparing 10 litres of half-strength Greens solution: Take 10 litres of water in a bucket and add 20 ml from Greens bottle and 10 ml from Nutes bottle to it. Mix thoroughly.
2. Preparing 10 litres of full-strength Blooms solution: Take another 10 litres of water in a bucket and add 40 ml from Blooms bottle and 20 ml from Nutes bottle to it to make 10 litres of Blooms solution.

How much dose should I give to the plants?

While starting out and with smaller plants, use half-strength. With larger plants, use full strength.

Hydroponics: Prepare half strength nutrient dose and use it for the first week. Second week onwards, whenever you are topping up the nutrient tank, use full strength nutrient dose.

Soil/Cocopeat: Give 100 ml of half-strength nutrient dose per plant per week for the first 2 weeks. From 3rd week onwards, switch to full-strength. (If possible, instead of giving 100 ml once a week, try to give 50 ml twice a week. It will improve the growth).

Which solution should I give to which plants?

Use NPK Combo to prepare NPK solution. Use Symphony or Greens Combo to prepare greens solution. Use Symphony or Blooms Combo to prepare blooms solution

NPK Solution: Suitable for all plants. Promotes root formation and balanced growth of leaves, flowers, fruits, and vegetables. Use NPK if you want to keep it simple and use only one nutrient for your entire garden.

If you want to use advanced nutrients as per crop-specific needs, then use greens or blooms solution.

Greens Solution: Promotes vegetative growth (formation of more and dense leaves). Give to all plants during initial stage. Use it throughout for salad greens and leafy greens like lettuce, spinach, coriander etc.

Blooms Solution: Promotes reproductive growth (formation of flowers and fruits). Give to plants that bear flowers, fruits and vegetables.

— If you are an advanced hydroponic grower and looking for TDS/EC range for specific plant groups, visit our website www.CityGreens.in or WhatsApp at +91 843 153 2978, or write to us at support@citygreens.in .