

Tuv Blue Fertilizer Solution

NPK solution contains "Blue" additive - Nitrification Inhibitor

Applications:

"Tuv Blue" fertilizer solutions are intended for fertilizing intensive crops. (Orchards, vegetables, open field crops)

The additive – "blue" (Nitrification inhibitor) that delays the discharge of the Ammonium gives them a significant advantage in the availability of nitrogen to the plant and reduces nitrate leaching to the wetting frontage.

The ammonium ion has many advantages in plant nutrition. The absorption of the ammonium by the root causes to pH drop in the rhizosphere (the soil solution near the root) and causes an increase in the absorption of phosphorus and micro elements for the plant. Ammonium as a cation is attached to the soils clays the, thus preventing the leaching of nitrogen to the depth of the soil section beyond the active root zone.

The addition of the nitrogen stabilizer, "blue" (ammonification inhibitor) increases the availability of nitrogen in the volume of the root system after the fertigation with "Tuv Blue" fertilizer solution.

"Tuv Blue" fertilizer solutions are intended to be used as top fertilizer in perennial and seasonal crops, irrigated by drippers and micro sprinklers. These solutions are suitable for most crops in the field, garden, and orchard.

Their great advantage is the combination of the three main macro nutritional elements - NPK and their fertilization at the same time -

An advantage that optimizes fertilization, improves crops quality, and increase the yields.

"Tuv Blue" fertilizer solutions can only be applied through the drip and micro sprinklers irrigation systems, do not suitable through systems containing metal fittings.

In the summer months (from March to October) you can get concentrated Tuv Blue fertilizer solutions for more efficient application.

The range of possible combinations of nitrogen, phosphorus, and potassium (NPK) is almost unlimited and therefore possible. adapt to each crop the composition it needs.

Characteristics:

Content	Varies of NPK ratios. The content of the elements in the fertilizer is limited by the solubility of the different fertilizer components.
Tuv Blue Fertilizer Solution	N-P-K + Blue additive (Nitrification inhibitor)
Chemical Compound	Nitrogen: ammonium nitrate and urea. Phosphorus: phosphoric acid. Potassium: potassium chloride
Chemical Formula	$\text{NH}_4\text{NO}_3 + \text{CO}(\text{NH}_2)_2 + \text{H}_3\text{PO}_4 + \text{KCl}$
Weight Volumes (gr/cm³)	Depending on the NPK composition
pH	Tuv NPK – very acidic: 0.8-2.5 Tuv NK – weakly acidic to neutral: 5.5-7.0 Tuv PK – very acidic: 0-2.0
Color	Clear and transparent solution with a bluish tint
Corrosivity	Attacks all types of metals, stainless steels.
Storage	In plastic containers only. The duration of storage for different types of solutions is limited to a summer period only. During the winter, when the temperatures drop, it should be diluted in proportion water: fertilizer of 4:1 respectively, to prevent crystallization. If done so, the fertilizer dose should be increased by 20%