P-54

FERTIGATOR
That provides readily available
Phosphorus

Promotes tissues growth and development, contributing to their structural integrity

Improves nutrients solubilization and uptake thanks to the acidifying action

Supports root development of crops, and stimulates flowering and fruit setting

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organazoto

info@organazoto.it
www.organazoto.it



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Characteristics

P-54 is a formulation based on phosphorus pentoxide (P_2O_5), designed to ensure rapid and efficient phosphorus uptake by the plant, contributing to nutritional efficiency and balanced crop development. Phosphorus is an essential element for plants, as it is involved in key metabolic reactions such as photosynthesis, cellular respiration, and the mobilization of sugars and photosynthates from source organs (leaves) to storage organs (fruits, tubers, seeds). In addition, being a key component of nucleic acids (DNA and RNA) and phospholipids, phosphorus actively supports the growth and development of plant tissues, contributing to the structural and functional integrity of cells. **P-54** promotes the development of a robust and branched root system, improving the plant's ability to absorb water and nutrients. It also stimulates flowering and fruit set, positively influencing the quantity and quality of production, and enhances resistance to environmental stress (cold and drought), by supporting a better energy balance and promoting tissue lignification. Due to its acidic formulation, **P-54** is particularly recommended for alkaline or calcareous soils, where it helps to locally lower the pH, improving the solubilization and absorption of micronutrients often blocked in such conditions (e.g., iron, zinc, manganese).

Composition	w/w*	w/v
Phosphorus pentoxide (P_2O_5) from orthophosphoric acid	54,0%	81,0%

*Equivalent to w/v at 20°C.

Doses and Instructions

CROPS	FERTIGATION APPLICATION	DOSE l/ha*
Fruit trees	From the vegetative recovery phase until fruit ripening	10-20
Horticultural crops	From the early stages of cultivation and during growth	10-20
Ornamentali	From the early stages of cultivation and during growth	10-20
Industriali	From the early stages of cultivation and during growth	10-20

*The doses are indicative and should be adjusted based on the characteristics of the area and the specific needs of each crop.

Formulation	Packaging	Density (T=20°C)	pH (sol. 6 %)	Conductivity (sol. 10 %)
Soluble liquid	5-10-20-200-1000 l	~ 1500 kg/m^3	~ 0,9	~ 231,0 dS/m

Warnings

In case of mixing with other products, preliminary compatibility and miscibility tests are recommended on a limited number of plants. The product can be used in combination with other fertilizers, provided it is diluted according to the recommended dosages. Handle with care, especially during mixing and application. Avoid contact with eyes and skin.

Technical Notes

FERTIGATION APPLICATION

FERTIGATORS

organazoto

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