

RICOTEC 12-12-17 +DMPP+TE

Granulated stabilized fertilizer

General Information

This revolutionary new NPK complex fertilizer with nitrification inhibitor DMPP (3, 4-dimethylpyrazolophosphate) is a granular formulation designed for basal and complementary dressings application. Nitrogen (N), Phosphorus (P), and Potassium (K) are the most frequently required in a crop fertilization program. Nitrification is a two-step conversion of ammonium (NH_4^+) to nitrate (NO_3^-) by soil bacteria. In most soils, it is a fairly rapid process, generally occurring within days or weeks following application of a source of ammonium. Nitrate is vulnerable to leaching loss and to gas loss through denitrification. So it is desirable to maintain N in the ammonium form to minimize these losses. Careful management of ammonium nutrient sources can help achieve the desired crop nutrient supply and minimize losses of nitrate. DMPP delays the nitrification of ammonium to nitrite and nitrate. In fact, RicoTec slows down the nitrification process to 6-12 weeks by reducing the activity of nitrosomonas bacteria, therefore reduces nitrogen losses by leaching and increases the nitrogen use efficiency.

Advantages of RicoTec 12-12-17

- Nitrogen-Efficient-Technology by using nitrification inhibitor DMPP
- Smoother and prolonged availability of NH_4^+ in the soil
- Increased trace element and Phosphate availability due to reduced PH around the root
- Higher marketable yield and improved crop quality

Guaranteed Analysis

Total Nitrogen: 12% ($\text{NH}_4\text{-N}$ 7% + $\text{NO}_3\text{-N}$ 5%), Available Phosphorous (P_2O_5): 12%, Soluble Potassium (K_2O): 17%, Mg: 2%, S: 8%, B: 0.02%, Fe: 0.06%, Zn: 0.01%

Recommendation for application:

Crop	Soil application	Application time
Trees	0.5-1 kg per tree	Before bud swelling
Field crops	100-200 kg per ha	At the beginning of vegetation
Vegetables	150-200 kg per ha	At the beginning of vegetation

Caution:

The amount and frequency of use varies by age, plant requirement and deficiency.
A compatibility test should be carried out before mixing with fertilizer and pesticides.
Keep out of the reach of children.
Read the instructions carefully before use.