

Ammonium Polyphosphate 14 - 21 - 0 NPK

SIMPLOT SIMPHOS is a concentrated liquid fertiliser containing high levels of phosphorus and nitrogen. SIMPLOT SIMPHOS can substitute solid fertilisers such as MAP and DAP at plant in broadacre and horticultural situations.

SIMPLOT SIMPHOS provides available phosphorus early in the crop cycle required for root development and growth.

SIMPLOT SIMPHOS' unique polymer structure and form can overcome availability issues in phosphate retentive soils to maximise fertiliser efficiency. This includes soil that is high in Calcium and Iron. The polymer structure also has the ability to sequester trace elements in the soil profile. This releases other nutrients to give a greater return from the application.

THE FUNCTION OF NITROGEN

Nitrogen is the major building block in protein and chlorophyll. It is also essential for lipid and cytoplasm formation. Highly mobile in the plant, nitrogen is translocated to new growth. Yellowing of leaves and stunted growth are the main deficiency symptoms.

THE FUNCTION OF PHOSPHORUS

Phosphorus acts as a structural component of nucleic acids, and phospholipids, which form, plant membranes. It is also important in cell division, and energy transfer due to the formation of ATP and ADP. Lack of growth in shoots and roots is symptomatic of phosphorus deficiency. Phosphorus can be affected by pH, Phosphate retentive soils and low phosphorus reserves.

SIMPLOT SIMPHOS can also be foliar applied as well as fertigated.

PRODUCT ANALYSIS

| | | | w/v% |
|------------|-----|------------------|------|
| Nitrogen | (N) | as Ammonium | 14.0 |
| Phosphorus | (P) | as Polyphosphate | 21.0 |

PRODUCT SPECIFICATIONS

| | |
|-------------|---------------------|
| S.G: | 1.40 |
| pH (Neat): | 6.0 - 7.0 |
| Appearance: | Green clear liquids |
| Shelf Life: | 3 years |

AVAILABLE PACK SIZES & WEIGHTS

| | |
|-------------|--------|
| 5 Litre: | 7.2 |
| 20 Litre: | 29.0 |
| 200 Litre: | 289.5 |
| 1000 Litre: | 1480.0 |

NOTES BEFORE USE

The suggested application rates are designed for typical conditions and act as a guide only. Differences in soil types, climatic conditions, water quality, application methods and processes and therefore necessitate corrections to ensure optimum results. Best practice requires that applications under extreme weather conditions such as temperatures over 30°C, high humidity, frost, rain should be avoided. It's recommended that prior to applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total crop spray.

DIRECTIONS FOR USE

BARLEY, OATS, TRITICALE, WHEAT

Seeder Applied Soil Application

Rate: 25 - 60 L

Water Ratio: 1 : 2 - 4

Rates are applicable to alkaline and calcareous soil types. Acid soils should be tested for total and available P. If available P is less than total P, then the soil is P retentive. In case of P retentive soils, apply APP at a minimum of 1 / 3 the recommended rate. Apply in minimum 80 L water / ha.

Post Emergent Foliar Application

Rate: 5 - 15 L / Ha

Water Ratio: 1 : 10

Apply product in 80 -150 L / ha of water. Ensure application at temperatures of less than 25°C, and preferably in late afternoon to avoid scorch.

OILSEEDS, PULSES

Seeder Applied Soil Application

Rate: 25 - 60 L

Water Ratio: 1 : 2 - 4

Standard granular rate of nutrient P.
Apply product in 80 to 150 L / ha water.

Post Emergent Foliar Application

Rate: 5 - 15 L / Ha

Water Ratio: 1 : 10

Note: this is not a replacement for seeding applications of P.

HORTICULTURE, TREE CROPS AND VEGETABLES

Fertigation

Rate: 10 - 25 L / Ha

Apply as required from emergence onwards