YaraVita™

Hydrophos™

High analysis liquid phosphorus with magnesium, for agricultural and horticultural use		
Guaranteed Analysis:		
phosphorus (P)	19.2% w/v	192 g/L
potassium (K)	6.1% w/v	61 g/L
magnesium (Mg)	6% w/v	60 g/L

Why Foliar Apply?
Foliar sprays ensure precise application of the right nutrient mix at the right time, and can be specifically targeted to the leaf or fruit, to suit an immediate crop need.

Foliar application also provides nutrients for immediate uptake by the leaves or fruits. As a result, the grower is not reliant on the right soil, pH or growing media conditions and can quickly put the crop back on course.

Phosphorus requirements:
Phosphorus availability in the soil is affected by pH, soil temperature, nutrient interactions etc. P is involved with ATP, the molecule used to provide the energy to drive many of the chemical processes in the plant. This is why P is particularly important at times of high metabolic activity.

Potassium requirements:
Potassium plays a key role in transport within the plant; particularly to storage tissues like fruit, seeds and tubers. K has a role in cell membrane structure, carbohydrate metabolism and energy accumulation and utilisation.

Magnesium requirements:
Magnesium is the central component of the chlorophyll molecule and is therefore key to all plant growth and development. But, Mg also plays a key role in phosphate and nitrogen metabolism, water uptake by the plant and crop establishment (where applicable).

Benefits:

- *Formulated for safe application at critical growth stages to satisfy crop requirements.*
- *Widely tank mixable with other crop sprays. Visit www.tankmix.com/yara for details.*
- *Proven, reliable performance. Trialled and tested on a wide range of crops around the world.*
- *High quality, consistent product. Manufactured to ISO 9001 quality assurance standards*
- *Easy to use liquid formulation. Pours and disperses easily and quickly into the spray tank.*
- *High nutrient content means lower application rates reducing handling time and waste packaging.*

Product Recommendations

Typical Crop Recommendations*

- **Apple:** 4 to 6 applications of 5 L/ha from the end of flowering. Repeat applications at 10 to 14 day intervals. Water rate: 500-1000 L/ha.
- **Beans:** 3-5 L/ha when crop is 15 cm tall. Repeat if necessary at 10 to 14 day intervals. Water rate: 30-200 L/ha.
- **Brassicas:** 4 L/ha applied at the 4 to 6 leaf stage soon after transplanting. Water rate: 200 L/ha.
- **Carrot:** 2 to 3 applications of 5 L/ha when sufficient leaf area to intercept spray at 7 to 10 day intervals. Water rate: 200 L/ha.
- **Citrus:** 5 L/ha applied at 10 to 14 day intervals following fruit set. Water rate: 500-1500 L/ha.
- **Cotton:** 2-5 L/ha at appearance of first flowers bud squares. Water rate: 50-200 L/ha.
- **Cucurbits (Field Grown):** 5 L/ha at the 4 to 6 leaf stage. Repeat at 10 to 14 day intervals. Water rate: 200-500 L/ha.
- **Grapevines:** 3 applications of 5 L/ha applied during the period from fruit set to 1st colour/softening (véraison). Water rate: 200 L/ha.
- **Peanuts:** 5 L/ha at the 4 to 6 leaf stage. Repeat as necessary at 10 to 14 day intervals. Water rate: 200 L/ha.
- **Lettuce (Field Grown):** 5 L/ha. Apply 10 to 14 days after transplanting or emergence. One or two repeat applications may be made at 10 to 14 day intervals. Water rate: 500 L/ha
- **Longan:** 2 L/ha applied before flower initiation and again during fruit development. Water rate: 200-500 L/ha.
- **Lupin:** 2 L/ha at the 4 to 6 leaf stage. Repeat once or twice at 10 to 14 day intervals if necessary. Water rate: 30-200 L/ha.
- **Lychee:** 2 L/ha applied before flower initiation and again during fruit development. Water rate: 200-500 L/ha.
- **Maize:** 5 L/ha at 4 to 8 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 30-200 L/ha.
- **Onion:** 5 L/ha. Apply when the foliage is 15cm tall, with a second application 10 to 14 days later if necessary. Also, 1 to 2 applications of 5 L/ha during bulb filling, with a 10 to 14 day interval between sprays. Water rate: 30-200 L/ha.
- **Pears:** 4 to 6 applications of 5 L/ha from the end of flowering. Repeat applications at 10 to 14 day intervals. Water rate: 500-1000 L/ha.
- **Peas:** 1 to 2 applications of 5 L/ha when the crop is 10 to 15 cm tall. Allow 10 to 14 days between applications. Water rate: 30-200 L/ha.
- **Potatoes:** To increase tuber number, 10 L/ha at or before tuber initiation (when 50 % of the tip swellings are twice the diameter of the rest of the stolon). To increase tuber size, a minimum of 2 applications of 5 L/ha during tuber bulking (as soon as first-formed tubers are 10mm in diameter). Water rate: 200 L/ha.
- **Strawberry (Field Grown):** Non-everbearing varieties: 3 applications of 5 L/ha. Repeat applications at 7 to 14 day intervals. Everbearing varieties: Divide the total rate of 30 L/ha into 6 applications of 5 L/ha. Do not apply successive applications at less than 10 to 14 day intervals. Water rate: 300-600 L/ha.
- **Sweet Potato:** 5 L/ha one week after 100% emergence or transplanting. Repeat applications during tuber bulking at 10 to 14 day intervals. Also, apply at the same rate following recommendation from analysis. Water rate: 200 L/ha.
- **Tomato (Field Grown):** 5 L/ha. Apply at the 4 to 6 leaf stage with repeat applications at 10 to 14 day intervals if necessary. Water rate: 200-500 L/ha.

**The information provided is accurate to the best of Yara's knowledge and belief. Any recommendations are meant as a guide and must be adapted to suit local conditions. Always read the label before use.*

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