



Knowledge grows

# YaraVita™ MAGPHOS K

A combination of key nutrients formulated for foliar application to cereals and selected fruit and vegetable crops

## Guaranteed Analysis

Phosphorus (P)	19.2 %	192g/l
Potassium (K)	6.1 %	61 g/L
Magnesium (Mg)	6.0 %	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:

Plays a key role in the transport of materials within the plant particularly to storage tissues like fruit, seeds and tubers. K also 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](http://www.tankmix.com) for details.
- Proven, reliable performance
- Trialled and tested on a wide range of crops around the world
- High nutrient content means lower application rates reducing handling time and waste packaging.
- Easy to use liquid formulation. Pours and disperses easily and quickly into the spray tank
- High quality, consistent products.
- Manufactured to ISO 9001 quality assurance standards.



## Application rates and timings Foliar Application

**Brassicas:** 4 l/ha applied at the 4 to 6 leaf stage soon after transplanting. Water rate: 30 to 200 l/ha. Also, when grown as a seed crop: 5 l/ha applied during the seed maturation phase. Water rate: 50 to 200 l/ha.

**Carrot:** 3 to 5 l/ha when crop is 15 cm tall. Repeat if necessary at 7 to 14 day intervals. Water rate: 200 l/ha.

**Cereals:** 5 l/ha from the 2 leaf stage to 1st node detectable, (Zadok's G.S. 12 to 31). Repeat at 10 to 14 day intervals if necessary within this time-frame, up to a maximum of three applications. Also, apply from ear emergence until the end of flowering (Zadok's G.S. 51 to 69). Water rate: 50 to 200 l/ha.

**Citrus:** 5 l/ha applied at 10 to 14 day intervals following fruit set. Water rate: 500 to 1500 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 to 500 l/ha.

**Grapevines:** 3 to 5 l/ha at flower buds visible, flower buds separated, fruit set, grape expansion, early veraison (one month before harvest) and 10 to 14 days later. Water rate: 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 to 200 l/ha.

**Potatoes:** To stimulate early growth: 5 l/ha one week after 100 percent crop emergence. To increase tuber number: 10 l/ha at tuber initiation (when 50 percent at 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 or 1 to 2 applications of 10 l/ha during tuber bulking (as soon as first formed tubers are 10mm in diameter) and following petiole analysis during tuber bulking. Allow 10 to 14 days between applications. Water rate: 200 l/ha.

**Yara Fertilizers (NZ) Ltd**  
Tel: +64 6 8776600  
Email: [nz.enquiries@yara.com](mailto:nz.enquiries@yara.com)  
Website: [www.yara.co.nz](http://www.yara.co.nz)

**Strawberry (Field Grown):** Non-everbearing varieties: 5 l/ha from two weeks after transplanting / start of new season leaf growth. Repeat at 7 to 10 day intervals as required. Also, 3 applications of 5 l/ha from start of flowering. Repeat applications at 7 to 10 day intervals. Everbearing varieties: 6 applications of 5 l/ha. Do not apply successive applications at less than 10 to 14 day intervals. Water rate: 300 to 600 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: 30 to 500 l/ha. Repeat sprays at 10 to 14 day intervals as necessary. Water rate: 200 l/ha.

## DIRECTIONS FOR USE

**ALWAYS FOLLOW THESE LABEL INSTRUCTIONS**  
Mix the product thoroughly before use. Slowly add the product to the tank, via the induction hopper, whilst agitating. Top up with water and continue to agitate until spraying is completed.

**TANK MIXING/CO-APPLICATION**  
Read ALL labels carefully and adhere strictly to the instructions for use. Co-application is entirely at the risk of the end-user. Before co-application of products you, or your advisor, must visit [www.tankmix.com](http://www.tankmix.com) for important information. Alternatively, contact Yara for specific advice.

**PRECAUTIONS**  
Only to be used on protected crops if specifically listed. Avoid application under extremes of climate, e.g. rapid drying conditions, extremely slow drying conditions, frost, rain, or when frost or rain are anticipated. Wear suitable gloves and face shield when handling this product. Clean all equipment before and after use.

**STORAGE**  
Keep in a cool, dry chemical store, out of reach of children and livestock. Protect from frost and other climatic extremes (temperatures exceeding 40°C). Dispose of contents and container in accordance with all local, regional, national and international regulations.

**CONDITIONS OF SALE**  
This Product is sold subject to the seller's Terms and Conditions of Sale, which are available upon request. Use of the Product is acceptance by the buyer of the Terms and Conditions of Sale.

