



Knowledge grows

# YaraVita<sup>®</sup> MAGPHOS<sup>®</sup>

A formulated product for the treatment of magnesium and phosphorus deficiencies by foliar application

## Guaranteed Analysis

Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	29%
Soluble Potash (K <sub>2</sub> O)	5%
Magnesium (Mg)	4.1%
Water soluble Magnesium (Mg)	4.1%

Derived from Phosphoric Acid, Magnesium Phosphate, Potassium Chloride, Potassium Phosphate

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.



## 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](http://www.tankmix.com/yara) for details.
- Proven, reliable performance. Tried 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\*

- **Alfalfa:** 2 quarts/acre when sufficient leaf cover to intercept spray. Then 2 quarts/acre one week after every cut. Water rate: 20 gallons/acre.
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- **Apples:** 4 to 6 applications of 1-2 quarts/acre from end of flowering. Repeat applications at 10 to 14 day intervals through color break. Water rate: 50 to 100 gallons/acre.
- **Apricots:** 2 to 5 applications of 1-2 quarts/acre from petal fall. Repeat applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Blueberries:** 1-2 quarts/acre 7-10 days after petal fall has finished. Repeat in 10-14 day intervals through berry softening and color break. Water rate: 100 gallons/acre.
- **Broccoli:** 1-2 quarts/acre applied soon after transplanting. Repeat 2-3 times in 10-14 day intervals during stem extension and head development. Water rate: 7.5 to 20 gallons/acre.
- **Brussel Sprouts:** 1-2 quarts/acre applied soon after transplanting. Repeat 2-3 times in 10-14 day intervals during stem extension and head development. Water rate: 7.5 to 20 gallons/acre.
- **Cabbage:** 1-2 quarts/acre applied soon after transplanting. Repeat 2-3 times in 10-14 day intervals during stem extension and head development. Water rate: 7.5 to 20 gallons/acre.
- **Calabrese:** 1-2 quarts/acre applied soon after transplanting. Repeat 2-3 times in 10-14 day intervals during stem extension and head development. Water rate: 7.5 to 20 gallons/acre.
- **Canola:** For a single application, 1-2 quarts/acre at onset of stem extension. For moderate deficiency, 1-2 quarts/acre at 4 to 6 leaf stage and at onset of stem extension. An extra application can be made 10 to 14 days later for severe deficiency. Avoid flowering. Water rate: 3 to 20 gallons/acre.
- **Carrots:** 1-2 quarts/acre when crop is 6 inches tall. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Cauliflower:** 1-2 quarts/acre applied soon after transplanting. Repeat 2-3 times in 10-14 day intervals during stem extension and head development. Water rate: 7.5 to 20 gallons/acre.
- **Celery:** 1-2 quarts/acre at the 4 to 6 leaf stage. Repeat 10 to 14 days later if necessary. Water rate: 20 gallons/acre.
- **Cereals:** 1-2 quarts/acre at tillering. Repeat at 10 to 14 day intervals if necessary. Also apply from ear emergence until the end of flowering (Zadok's G.S. 51 to 69). Water rate: 5 to 20 gallons/acre.
- **Cherries:** 2 to 5 applications of 1-2 quarts/acre from petal fall. Repeat applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Citrus:** 1-2 quarts/acre applied at 10 to 14 day intervals following fruit set. Water rate: 50 to 150 gallons/acre.
- **Cole Crops:** 1-2 quarts/acre applied soon after transplanting. Repeat 2-3 times in 10-14 day intervals during stem extension and head development. Water rate: 7.5 to 20 gallons/acre.
- **Corn:** 1-2 quarts/acre at 4 to 8 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.
- **Cotton:** 1-2 quarts/acre at the start of flowering. Repeat in 14 day intervals as required. Water rate: 5 to 20 gallons/acre.
- **Zucchini/Courgette (field grown):** 1-2 quarts/acre at the 4 to 6 leaf stage. Repeat at 10 to 14 day intervals. Water rate: 20 to 50 gallons/acre.
- **Cranberries:** 1-2 quarts/acre applied at full fruit set, with repeat applications at 14 day intervals. Water rate: 50 gallons/acre.
- **Cucumber (field grown):** 1-2 quarts per acre at 4 to 6 leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 20-50 gallons per acre.
- **Cucurbits (field grown):** 1-2 quarts/acre at 4 leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 20 to 50 gallons/acre.
- **Fertigation: All crops:** Use at a dilution of 0.02% v/v (1/2 pint per 250 gallons of water). This will produce a solution containing 86 mg/l phosphate. Alternatively: All Crops: 1 to 3 gallons per application as required. Repeat every 7 to 10 days when necessary. Water rate: standard grower practice. Or: Use at 2.5 to 3 quarts per 1200 yards squared. Repeat at 7 to 14 day intervals as necessary.
- **Ginseng:** 2 quarts/acre applied once the new season growth is well underway. Repeat applications at 10 to 14 day intervals may be necessary for moderate to severe deficiency. Water rate: 50 gallons/acre.
- **Groundnuts/Peanuts:** 1-2 quarts/acre at the 4 to 6 leaf stage. Repeat as necessary at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Lettuce (field grown):** 1-2 quarts/acre. 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: 50 gallons/acre.
- **Melons (field grown):** 1-2 quarts/acre at start of flowering. Repeat at 10 to 14 day intervals if necessary. Water rate: 50 gallons/acre.
- **Nectarines:** 2 to 5 applications of 1-2 quarts/acre from petal fall. Repeat applications at 7 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Nursery/Ornamentals:** 2 gallons in 100 gallons water (1.875% v/v) as soon as there is sufficient leaf area to intercept a spray. Repeat at 10 to 14 day intervals as necessary. Avoid applications during flowering. Spray a maximum of three applications per crop per annum. Maximum water rate: 20 gallons/acre.
- **Nuts (deciduous):** Two to three applications of 1-2 quarts per acre beginning at petal fall. The repeat applications should be made at 7 to 14 day intervals through hull split. Water rate: 50 to 100 gallons per acre.
- **Olive:** Two applications of 2 to 4 quarts per acre. Apply before flowering and again 10 to 14 days after flowering. Water rate: 20 to 100 gallons per acre.
- **Onions:** 1-2 quarts/acre. Apply when the foliage is 6" tall, with repeat applications 10 to 14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.
- **Peaches:** 2 to 5 applications of 1-2 quarts/acre from petal fall. Repeat applications at 7 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Pears:** 4 to 6 applications of 1-2 quarts/acre from end of flowering. Repeat applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Peas:** 1 to 2 applications of 1-2 quarts/acre when the crop is 4 to 6" tall. Allow 10 to 14 days between applications. Water rate: 3 to 20 gallons/acre.
- **Peppers (field grown):** 1 pint in 45 gallons before transplanting. Repeat applications in 10-14 day intervals at 1-2 Quarts per acre. Water rate: 100 gallons/acre maximum

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# Product Recommendations

## Typical Crop Recommendations (cont'd)\*

- **Plums:** 2 to 5 applications of 1-2 quarts/acre from petal fall. Repeat applications at 7 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Potatoes:** To increase tuber size: A minimum of 2 applications of 1-2 quarts/acre during tuber bulking (as soon as first formed tuber are ½» in diameter) and following petiole analysis during tuber bulking. Allow 10 to 14 days between applications. Water rate: 5 to 20 gallons/acre.
- **Rice:** 1-2 quarts/acre applied at tillering and again at panicle initiation. Repeat 7 to 10 days later if necessary. Water rate: 3 to 40 gallons/acre.
- **Sorghum/Milo:** 1-2 quarts/acre at 4 to 8 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.
- **Soybeans:** 1 to 2 quarts/acre when crop is 6 inches tall. Repeat if necessary at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Spinach:** 1-2 quarts/acre at the 4 to 6 leaf stage. Repeat applications every 10-14 day interval as required. Water rate: 20 gallons/acre
- **Squash (field grown):** 1-2 quarts/acre at 4 leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 20 to 50 gallons/acre.
- **Strawberries (field grown):** Non everbearing varieties: 3 applications of 1-2 quarts/acre from start of flowering. Repeat applications 7 to 10 day intervals. Everbearing varieties: 6 applications of 1-2 quarts/acre. Do not apply successive applications at intervals of less than 10 to 14 days. Water rate: 30 to 50 gallons/acre.
- **Sugar Beets:** 1-2 quarts/acre at the 4 to 6 leaf stage. For moderate to severe deficiency, repeat at 10 to 14 day intervals. Water rate: 5 to 20 gallons/acre.
- **Sweet Potato:** 1-2 quarts/acre 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: 20 gallons/acre.
- **Tobacco:** Two applications of 1-2 quarts/acre two to three weeks after transplanting (3 to 4 leaf stage) with 10 days between applications. Water rate: 3 to 50 gallons/acre.
- **Tomatoes (field grown):** 1-2 quarts/acre. Apply at the 4 to 6 leaf stage with repeat applications at 10 to 14 day intervals if necessary. Water rate: 3 to 50 gallons/acre.
- **Turf:** 1.5 fl.oz./1000 sq.ft. as soon as growth commences in spring. Repeat sprays at 10 to 14 day intervals as necessary. Water rate: 0.5 gallons/1000 sq.ft.
- **Vines:** 2 to 5 applications of 1-2 quarts/acre at 10-14 day intervals beginning at early shoot growth, flower buds separated and stretching, after berry set, berry size and early veraison before harvest. Water rate: minimum 20 gallons/acre.
- **Water Melons (field grown):** 1-2 quarts/acre at the 4 to 6 leaf stage. Repeat at 10 to 14 day intervals. Water rate: 20 to 50 gallons/acre.

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