



Knowledge grows

YaraVita[®] MAGTRAC[™]

A formulated product for the treatment of magnesium deficiency by foliar application

Guaranteed Analysis	
Total Nitrogen (N)	4%
Urea Nitrogen	4%
Magnesium (Mg)	20%
Derived from Urea, Magnesium Hydroxide	

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 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:** 1 to 2 pints/acre applied 10 to 14 days after regrowth commences post-cutting (when there is enough regrowth to take a spray). Water rate: 5 to 20 gallons/acre.
- **Artichoke:** 2 quarts/acre applied from the 4 to 6 leaf stage onwards. Repeat applications may be necessary. Water rate: 50 gallons/acre.
- **Asparagus:** 4 to 5 applications of 1 to 2 quarts/acre during vegetative growth, with repeat applications at 10 to 14 day intervals. Water rate: 5 to 20 gallons/acre.
- **Avocado:** 2 quarts/acre applied during spring flush and again during summer flush. Water rate: 20 to 100 gallons/acre.
- **Berries: including, but not limited to:**
Blackberry, Boysen berry, Raspberry: 1 to 2 quarts/acre at start of flowering and at 10 to 14 day intervals as necessary, up to 14 days before harvest. Water rate: 20 to 50 gallons/acre.
- **Blueberry:** 1 to 2 quarts/acre applied 10 days after petal fall has finished. Bushes being grown for a second cropping year should receive the fruiting year program again. Water rate: 100 gallons/acre.
- **Brassicas: including, but not limited to:**
Broccoli, Brussels Sprouts, Cabbage, Cauliflower: 1 to 2 quarts/acre at 4 to 6 leaf stage, with repeat applications at the above rate at 10 to 14 day intervals for moderate to severe deficiency. Water rate: 3 to 20 gallons/acre.
- **Bulb Vegetables: Including, but not limited to:**
Onion, Garlic, Shallot, Leek: 1 to 2 quarts/acre two weeks after transplanting, or in the case of direct sown crops, when the crop is 6 inches tall. Repeat applications at 10 to 14 day intervals. Water rate: 5 to 20 gallons/acre.
- **Canola:** For a single application, 1 to 2 quarts/acre at onset of stem extension. For moderate deficiency, 2 quarts/acre at 4 to 6 leaf stage and 2 quarts/acre 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.
- **Carrot:** 1 to 2 quarts/acre when crop is 5 inches tall. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Water rate: 5 to 20 gallons/acre.
- **Celery:** 1 to 2 quarts/acre at the 4 to 6 leaf stage. Repeat 10 to 14 days later if necessary. Water rate: 20 gallons/acre.
- **Cereals: including, but not limited to:**
Barley, Oats, Rye, Wheat: 1 to 2 quarts/acre from 2 leaf stage to first node detectable (Zadok's G.S. 12 to 31). For moderate to severe deficiency repeat applications at 10 to 14 day intervals. A further application at up to 4 pints/acre at flag leaf ligule just visible to anthesis complete (Zadok's G.S. 39 to 69) for milling quality wheats. Water rate: 3 to 20 gallons/acre.
- **Citrus:** Including but not limited to: Grapefruit, Lemon, Orange 1 to 2 quarts/acre from 2/3 of new leaf development in the spring. For moderate to severe deficiency repeat application 10 to 14 days later. Also, 1 to 2 quarts/acre applied during autumn flush. Repeat 10 to 14 days later if necessary. Water rate: 20 to 50 gallons/acre.
- **Cotton:** 1 to 2 quarts/acre one month after 100% emergence. Repeat as required at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Corn:** 1 to 2 quarts/acre at 4 to 6 leaf stage. Water rate: 3 to 20 gallons/acre.
- **Cucurbits: Including, but not limited to:**
Squash, Melons, Cucumber, Pumpkin: 1 to 2 quarts/acre at 4 leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 20 gallons/acre.
- **Fruiting Vegetables: including, but not limited to:**
Eggplant, Pepper, Tomato: 1 to 2 quarts/acre applied from the 4 to 6 leaf stage onwards. Repeat applications may be necessary. Water rate: 50 gallons/acre.
- **Grapes – Table:** 1 to 2 Quarts/Acre at 6 to 10 inch extension shoot growth, flower buds visible, flower buds separated and after fruit set during berry sizing. For grape stalk necrosis (BSN): 1 to 4 Quarts/Acre at pea sized berries, start of veraison and possibly 1 month before harvest. Water rate: 20 to 50 gallons/acre. Late applications may leave a deposit on berries which may be of significance for table grapes.
- **Grapes – Wine:** 2 Quarts/Acre at 6 to 10 inch extension shoot growth, flower buds visible, flower buds separated and after berry set. For grape stalk necrosis (BSN): 1 to 4 Quarts/Acre at pea sized berries, start of veraison and 1 month before harvest. Water rate: 20 to 50 gallons/acre. Late applications may leave a deposit on berries which may be of significance for wine grapes.
- **Hops:** 4 applications of 1 quart/acre. a) 6 feet tall crop b) 15 feet tall crop (top of the wire) c) starting to burr d) 14 days later. Water rate: 10 to 50 gallons/acre.
- **Kale:** 1 to 2 quarts/acre at 4 to 6 leaf stage, with repeat applications at the above rate at 10 to 14 day intervals for moderate to severe deficiency. Water rate: 20 gallons/acre.
- **Leafy Vegetables: Including but not limited to:**
Lettuce, Spinach: 1 to 2 quarts/acre at the 4 to 6 leaf stage. Repeat if necessary 10 to 14 days later. Water rate: 20 gallons/acre.
- **Legumes: Including but not limited to:**
Beans, Lentils, Peanuts, Peas: 1 to 2 quarts/acre when crop is 4 to 6" tall. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Nursery Stock and Ornamentals:** Two and a half gallons in 100 gallons water (2.5% 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. Note: Do not apply within one month of picking/marketing. Maximum water rate: 20 gallons/acre.
- **Olive:** 1 to 2 quarts per acre. Apply at the start of the season. Repeat applications at 10 day intervals if necessary. Avoid flowering. Also, 1 to 2 quarts per acre applied post-harvest. Water rate: 50 to 100 gallons/acre.
- **Pome Fruit: including but not limited to:**
Apple, Pear: 1 to 2 quarts/acre after petal fall. Repeat if necessary at 10 to 14 day intervals. In cases of severe deficiency apply also before flowering (around pink bud stage). On russet sensitive varieties delay applications until 6 weeks after petal fall. Water rate: 20 to 100 gallons/acre.
- **Potato:** 1 to 2 quarts/acre 1 week after 100% emergence and following petiole analysis during tuber bulking. For moderate to severe deficiency, repeat applications at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Rice:** 1 to 2 quarts/acre applied at start of tillering. Water rate: 3 to 20 gallons/acre.
- **Sorghum:** 1 to 2 quarts/acre at the 4 to 8 leaf stage. Water rate: 3 to 20 gallons/acre.
- **Soybean:** 1 to 2 quarts/acre when crop is 2 to 6 inches tall, repeated at 10 to 14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.
- **Strawberry:** 2 quarts/acre at green bud. Repeat if necessary at 10 to 14 day intervals. Water rate: 50 gallons/acre.
- **Stone Fruit: including but not limited to:**
Apricot, Cherry, Peach, Plum, Nectarine: 1 to 2 quarts/acre at fruit set. If necessary a second application may be made 10 to 14 days later. Also, 1 to 2 quarts/acre after harvest but before leaf senescence. Water rate: 20 to 100 gallons/acre.
- **Sugar Beet:** 1 to 2 quarts/acre at 4 to 6 leaf stage. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Water rate: 5 to 20 gallons/acre.
- **Sunflower:** 1 to 2 quarts/acre at 4 to 8 pairs of leaves. For moderate to severe deficiency repeat application 10 to 14 days later. Water rate: 3 to 20 gallons/acre.
- **Sweet Potato:** 2 quarts/acre one week after 100% emergence or transplanting. Also, apply at the same rate following recommendation from analysis. Water rate: 20 gallons/acre.
- **Tobacco:** 2 applications of 1 to 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..
- **Tree Nuts:** Including, but not limited to: Almond, Chestnut, Hazelnut, Macadamia, Pecan, Pistachio, Walnut. 1 to 2 quarts per acre at spring bud burst, first emergent leaves and again during nut development. Water rate: 50 to 100 gallons/acre.

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