



Knowledge grows

YaraVita[®] MANCOZIN[™]

A formulated product for the treatment of manganese, copper and zinc deficiencies by foliar application

Guaranteed Analysis

Total Nitrogen (N)	3%
Urea Nitrogen	3%
Copper (Cu)	6.3%
Manganese (Mn)	18.8%
Zinc (Zn)	4.8%

Derived from Urea, Copper Oxide, Manganese Carbonate, Zinc Oxide

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:** 1½ pints/acre at dormancy break. Repeat after every cut when re-growth has occurred, as necessary. Water rate: 3 to 20 gallons/acre.
- **Beans:** 1 pint/acre at the 4 to 6 leaf stage (for deficiency/yield). Water rate: 10 to 20 gallons/acre.
- **Brassicas: including, but not limited to: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kale:** 1 pint/acre at the 4 to 6 leaf stage. Repeat 10 to 14 days later if necessary. Water rate: 20 gallons/acre.
- **Canola:** 1 pint/acre at the 4 to 6 leaf stage. Repeat 10 to 14 days later if necessary. Water rate: 20 gallons/acre.
- **Carrot:** 1 pint when crop is 6 to 8 inches tall. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Cereals: including, but not limited to: Barley, Oats, Rye, Wheat:** 1 pint/acre at two leaf stage to first node detectable (Zadok's G.S. 12-31). For severe deficiency, increase to 1 quart/acre or repeat at the above rate. For autumn sown crops, an application prior to winter dormancy is strongly recommended. Water rate: 20 gallons/acre.
- **Chickpeas:** 1 pint/acre at the 4 to 6 leaf stage (for deficiency/yield). Water rate: 10 to 20 gallons/acre.
- **Citrus: Including but not limited to: Lemon, Orange:** 1 to 2 pints/acre. During spring and autumn flushes. Water rate: 50 to 200 gallons/acre.
- **Cotton:** 1 pint/acre 3 to 4 weeks after emergence. Repeat 10 to 14 days later if necessary. Water rate: 5 to 15 gallons/acre.
- **Corn:** 1 pint/acre at the 4 to 8 leaf stage. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Cucurbits: Including, but not limited to: Melons, Cucumber:** 1 pint per acre applied at the 4 to 6 leaf stage. In cases of moderate or severe deficiency repeat the application after a 10 to 14 day interval. Water rate: 5 to 20 gallons/acre.
- **Garlic:** 1 pint/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: 20 gallons/acre.
- **Grapes:** 1 to 1½ pints/acre applied at 10 to 14 day intervals pre- and post-flowering. Avoid applications during flowering. Water rate: 20 to 100 gallons/acre.
- **Leafy Vegetables: Including but not limited to: Lettuce, Spinach:** 1 pint per acre at the 4 to 6 leaf stage. Water rate: 200 gallons/acre.
- **Leek:** 1 pint/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: 20 gallons/acre.
- **Nursery Stock and Ornamentals:** 1 pint/acre 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. Water rate: 10 to 20 gallons/acre.
- **Olive:** 1 to 1.5 pints per acre. Apply two to three sprays per year between spring and the end of autumn at 10 to 14 day intervals. Do not apply during flowering. Water rate: 100 gallons/acre.
- **Onion:** 1½ quarts/acre when there is sufficient leaf area to obtain coverage (4 to 6 leaf). Repeat during bulking if necessary. Water rate: 3 to 20 gallons/acre.
- **Peas:** 1 pint/acre at the 4 to 6 leaf stage (for deficiency/yield). Water rate: 20 gallons/acre.
- **Pistachio:** 1 to 2 pints per acre beginning after nut set, repeat in 14 to 21 day interval through shell split where moderate deficiency exists. Repeat after harvest before leaf senescence. Water rate minimum 50 gallons/ac.
- **Potato:** 1 pt/acre at one week after 100 percent 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 25 gallons/acre.
- **Rice:** ½ to 1 pint/acre at the start of tillering. Water rate: 3 to 20 gallons/acre.
- **Sorghum:** 1 pint/acre at the 4 to 8 leaf stage. Repeat if necessary at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Soybean:** 1 pint/acre when crop is 2 to 6 inches tall. Repeat if necessary 10 to 14 days later. Water rate: 3 to 20 gallons/acre.
- **Stone Fruit: including but not limited to: Apricot, Cherry, Peach, Plum:** 1 to 2 pints/acre applied after harvest before leaf fall. Water rate: 100 gallons/acre.
- **Sugar Beet:** 1 pint/acre from the 4 to 6 leaf stage. For moderate to severe deficiencies, applications may be repeated at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Sweet Potato:** 1 pint/acre one week after 100% emergence or transplanting. Also, apply at the same rate following recommendation from analysis. Water rate: 20 gallons/acre.
- **Tobacco:** 1 pint/acre applied two to three weeks after transplanting (3 to 4 leaf stage). Repeat 10 to 14 days later if necessary. Water rate 3 to 50 gallons/acre.
- **Tomato:** 1 to 2 pints/acre at the 4 to 6 leaf stage. Repeat when required at 10 to 14 day intervals. Water rate: 3 to 150 gallons/acre.
- **Tree Nuts:** Including, but not limited to: Almond, Walnut 1 pt/acre at bud break and 10 to 14 days later. Do not apply during flowering. Also, 1pt/acre after harvest but before leaf senescence. Water rate: 20 to 100 gallons/acre.

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