



Knowledge grows

YaraVita[®] ZINTRAC[™]

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

Guaranteed Analysis	
Total Nitrogen (N)	1%
Urea Nitrogen	1%
Zinc (Zn)	40%
Derived from Urea, Zinc Oxide	

Pack size • 10 litres and 1000 litres

Agronomic benefits

Zinc aids in chloroplast development, sufficient levels of zinc are required early to ensure a healthy canopy and root structure. This will aid in the plants ability to take up more water and capture more sunlight meaning an overall healthier crop with an increased ability to handle in season stresses.

Deficiency symptoms

Leaves will change from a healthy appearance to a pale green usually in the centre of the leaf, margins become crinkled and in severe cases the leaves are small with an oily appearance with dead patches surrounded by yellow- green areas.



Benefits

- Formulated for safe application at critical growth stages to satisfy crop requirements
- Widely tank mixable with other crop sprays. Visit www.tankmix.com 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:** 0.33 pints/acre applied to early season regrowth. Repeat 2 to 3 weeks later at the same rate. Water rate: 3 to 20 gallons/acre.
- **Apples:** 1 pint/acre at bud burst to ½ inch green tip. Apply again after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.
- **Artichoke:** 1 pint/acre applied from the 4 to 6 leaf stage onwards. Repeat applications may be necessary. Water rate: 50 gallons/acre
- **Asparagus:** 1 pint/acre at the beginning of growth when there is sufficient leaf surface to intercept the spray. Water rate: 20 gallons/acre.
- **Avocado:** 1 pint/acre during spring flush and again during summer flush. Water rate: 50 to 100 gallons/acre.
- **Beans:** 1 pint/acre when crop is 2 to 6 inches tall. Water rate: 3 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Blueberry: (high bush only):** Apply 1 pint/acre just before onset of leaf drop. Repeat the application at bud separation the following fruiting season. Water rate: 20 gallons/acre.
- **Brassicas - Including, but not limited to: Broccoli, Brussels Sprouts, Cabbage, Cauliflower Collards, Kale:** 1 pint/acre at the 4 to 9 leaf stage. Water rate: 3 to 20 gallons/acre.
- **Canola:** 1 pint to 1 quart/acre at the 4 to 9 leaf stage. Water rate: 3 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Carrot:** 1 pint/acre when crop is 6 inches tall. For moderate to severe deficiency repeat applications at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Celery:** 1 pint/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 pint/acre from 2 leaf stage to first node detectable (Zadok's G.S. 12 to 31). Water rate: 5 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Chinese Cabbage** 1 pint/acre at the 4 to 9 leaf stage. Water rate: 5 to 50 gallons/acre.
- **Citrus: Including but not limited to: Grapefruit, Lemon, Orange:** 1 pint/acre applied during spring flush and again during autumn flush. Water rate: 50 to 100 gallons/acre.
- **Cotton:** 1 pint/acre 3 to 4 weeks after emergence. Repeat as required with 10 to 14 days between treatments. Water rate: 5 to 15 gallons/acre.
- **Corn:** 1 pint/acre from 3 to 8 leaf stage. For severe deficiency repeat applications should be made at the above rate at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Cucurbits: Including, but not limited to: Squash, Cucumber, Melon, Watermelon:** 1 pint/acre at the 2 to 4 leaf stage. Repeat at 10 to 14 days intervals if necessary. Water rate: 5 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Dry Beans:** ½ to 1 pint/acre when crop is 2 to 6 inches tall. Water rate: 5 to 20 gallons/acre.
- **Eggplant -** 1 pint/acre applied from the 4 to 6 leaf stage onwards. Repeat applications may be necessary. Water rate: 50 gallons/acre.
- **Flax:** 1 pint/acre applied when the crop is 1 to 6 inches tall. Water rate: 3 to 20 gallons/acre.
- **Garlic:** ¼ to 1 pint/acre when sufficient leaf area to intercept spray. Water rate: 5 to 20 gallons/acre.
- **Grapes:** 1 pint/acre applied at flower buds visible and again at flower buds separated or at fruit set. Water rate: 50 to 100 gallons/acre.
- **Green Beans:** 1.5 pints/acre at the 4 to 6 leaf stage, or sooner when deficiency is visible. Repeat 10 to 14 days later if necessary. Water rate: 20 gallons/acre.
- **Hops:** Apply 1 pint/acre. Beginning at early spring growth. Repeat in 14-28 days as new vines develop. Water rate: minimum 40 gallons/acre.
- **Kiwi:** 1 pint/acre applied from bud burst to first leaves fully expanded. Repeat after harvest, before senescence. Water rate: 50 to 100 gallons/acre.
- **Lettuce:** 1 pint/acre when crop is 6 inches tall. Repeat application at 10-14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.
- **Nursery Stock and Ornamentals:** 5 pints in 100 gallons water (0.625% 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 pint/acre applied at bud break and again at the opening of the calyx. Water rate: 50 to 100 gallons/acre.
- **Onion:** 1 pint/acre when sufficient leaf area to intercept spray. Water rate: 3 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Papaya:** 1 pint/acre applied at each early flush of growth. Water rate: 50 to 100 gallons/acre.
- **Peanut:** Two applications of 2 to 4 quarts/acre. Apply before flowering and again 10 to 14 days after flowering. Water rate: 20 to 100 gallons/acre. 0.5 to 1 pints/acre at the 4 to 6 leaf stage. Water rate: 5 to 20 gallons/acre.

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Product Recommendations

Typical Crop Recommendations (cont'd)*

- **Pear:** 1 pint to 1 quart/acre at bud burst. For moderate to severe deficiency repeat application at the same rate at a 10 to 14 day interval. Avoid flowering. Apply again after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.
- **Peas:** 1 pint/acre when crop is 2 to 6 inches tall. Water rate: 3 to 20 gallons/acre.
- **Pepper:** 1 pint/acre applied from the 4 to 6 leaf stage onwards. Repeat applications may be necessary. Water rate: 20 to 50 gallons/acre
- **Pomegranate:** 1 pint/acre applied before flowering, immediately after flowering, and during fruit formation. Water rate: 100 gallons/acre
- **Potato:** 1 pint/acre one week after 100% emergence. For moderate to severe deficiency, repeat applications may be necessary at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Raspberry:** ½ pint/acre at green bud. Water rate: 50 gallons/acre.
- **Rice:** 1 pint/acre applied at start of tillering and again at panicle initiation. Water rate: 5 to 20 gallons/acre.
- **Sorghum:** 1 pint/acre from 3 to 8 leaf stage. For severe deficiency repeat applications should be made at the above rate 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. Water rate: 3 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Spinach:** 1 pint/acre at the 4 to 6 leaf stage. Water rate: 20 gallons/acre.
- **Strawberry:** One application of ½ pint/acre at green bud followed by two applications of ¼ pint/acre applied at white bud and post-harvest regrowth. Water rate: 50 gallons/acre.
- **Stone Fruit: including but not limited to: Apricot, Cherry, Peach, Plum, Nectarine:** 1 pint to 1 quart/acre applied at winter bud or pink bud and again after harvest but before leaf senescence. Water rate: 50 to 100 gallons/acre.
- **Sugar Beet:** 1 pint/acre at 4 to 6 leaf stage. For moderate to severe deficiency, repeat applications should be made at the above rate at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Sugarcane:** 1 pint/acre when plants are 2 to 4 feet tall. Repeat applications may be necessary. Water rate: 35 gallons/acre
- **Sunflower:** 1 pint/acre from the 2 pairs of leaves stage. 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 two to three weeks after transplanting (3 to 4 leaf stage). Repeat 10-14 days later if necessary. Water rate 3 to 50 gallons/acre.
- **Tomato:** 1 pint/acre when plants are at 4 to 6 leaf stage. Water rate: 3 to 50 gallons/acre. For use in Wisconsin: YaraVita Zintrac can be applied to this crop in Wisconsin requiring a medium to high level of zinc.
- **Tree Nuts: Including, but not limited to: Almond, Chestnuts, Hazelnuts, Pecans, Pistachio, Walnut:** 1 quart/acre applied during dormancy or early bud burst and again after harvest but before leaf senescence. Alternatively: 8 oz/acre at bud burst, at the newly formed fruit stage and again 15 days later. Water rate: 50 to 100 gallons/acre

*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.