



Knowledge grows

YaraVita[®] SOLATREL[™]

Concentrated liquid product for foliar application to agricultural crops.

| Typical Analysis | |
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| Phosphate (P ₂ O ₅) | 29.7% w/w = 44% w/v = 440 g/l phosphate (P ₂ O ₅) |
| Potash (K ₂ O) | 5.1% w/w = 7.5% w/v = 75 g/l potash (K ₂ O) |
| Manganese (Mn) | 0.7% w/w = 1.0% w/v = 10 g/l manganese (Mn) |
| Zinc (Zn) | 0.3% w/w = 0.5% w/v = 5 g/l zinc (Zn) |
| Magnesium (Mg) | 2.71% w/w = 4% w/v = 40g/l magnesium (Mg) |
| Appearance | Red liquid |
| Solubility | Miscible with water in all proportions. |
| Typical pH | 1.8 |
| Typical Density | 1.482 kg/l |
| Freezing Point | - 0 °C |
| Viscosity | < 100 cps. |



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.

Product Recommendations

Typical Crop Recommendations*

- **Alfalfa:** Apply 1 to 2 quarts/acre during growth periods. Repeat after every cutting as needed. Water rate: minimum 20 gallons/acre.
- **Apple:** 4 to 6 applications of 2 quarts/acre from the end of flowering. Repeat applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Artichoke:** 1 to 2 quarts/acre applied from the 4 to 6 leaf stage onwards. Repeat applications may be necessary at 10 to 14 day intervals. Water rate: minimum 50 gallons/acre.
- **Asparagus:** Apply 1 to 2 quarts/acre during early fern growth. Repeat at 10 to 21 day intervals. Water rate: minimum 20 gallons/acre.
- **Avocado:** 1 to 2 quarts/acre as necessary at 7 to 14 day intervals during spring and autumn flushes. Water rate: minimum 50 gallons/acre.
- **Beans:** 1 to 2 quarts/acre when crop is 4 to 6 inches tall. Repeat if necessary at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Beets:** 1 to 2 quarts/acre at the 4 to 6 leaf stage. For moderate to severe deficiency, repeat at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Blackberry:** 1 to 2 quarts/acre from start of new season leaf growth. Repeat at 7 to 14 day intervals as necessary. Also, after final harvest before onset of leaf senescence. Avoid application during flowering. Water rate: 50 gallons/acre.
- **Blueberry:** 1 to 2 quarts/acre from start of new season leaf growth. Repeat at 7 to 14 day intervals as necessary. Also, after final harvest before onset of leaf senescence. Avoid application during flowering. Water rate: 50 gallons/acre.
- **Boysenberry:** 1 to 4 quarts/acre during active growth. Repeat on a 10-14 day interval through fruit development. Water rate: minimum 50 gallons/acre.
- **Brassicas - Including, but not limited to: Broccoli, Brussels Sprouts, Cabbage, Cauliflower:** 1 to 2 quarts/acre after transplanting. Repeat in 14 to 21 day intervals beginning at 4 to 6 leaf stage, continue thru stem extension and head development. Water rate minimum 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 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 4 to 6 inches tall. Repeat if necessary at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Celery:** 1 to 2 quarts/acre post transplant, on a 14 to 21 day interval from the 4 to 6 leaf stage on. Water rate: minimum 20 gallons/acre.
- **Cereals - Including but not limited to: Barley, Oats, Rye, Wheat:** 2 quarts/acre 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: 5 to 20 gallons/acre.
- **Citrus - Including but not limited to: Lemon, Orange:** Apply 1 to 2 quarts/acre beginning at flower initiation, pre bloom, after petal fall, during fruit - leaf canopy development periods on a 14 to 28 day interval. Water rate: minimum 50 gallons/acre.
- **Cotton:** 2 quarts/acre from 10% flowering at 14 day intervals. Water rate: minimum 30 gallons/acre.
- **Corn:** 1 to 2 quarts/acre at the 4 to 8 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.
- **Cucurbits - Including, but not limited to: Squash, Melons, Cucumber, Pumpkin:** 1 to 2 quarts/acre applied at the 4 to 6 leaf stage repeat 10 to 14 days later. Also, prior to flowering with 2 to 4 repeat applications at 10 to 14 day intervals during fruit development. Water rate: 20 gallons/acre.
- **Eggplant:** Apply 1 to 2 quarts/acre beginning at the 4 to 6 leaf stage. Repeat at 10 to 21 day intervals. Water rate: minimum 50 gallons/acre.
- **Grapes – Table and Wine:** 1 to 2 quarts/acre at flower buds visible, cluster separated, after fruit set, during berry sizing until berry softening/color change. Water rate: 50 gallons/acre.
- **Kiwi:** 3 applications of 2 quarts/acre beginning at petal fall and repeated at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Lettuce:** 1 to 2 quarts/acre beginning 10 to 14 days after transplant. Continue in 14 to 21 day intervals as necessary. Water rate minimum 20 gallons/acre.
- **Nursery Stock and Ornamentals:** 1 quart/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/crop/year. Water rate: 10 to 20 gallons/acre.
- **Olive:** 1 to 2 quarts/acre pre-flower on a 14 to 21 day interval, post-flower during berry sizing and leaf canopy development up to berry softening. Water rate minimum 50 gallons/acre.
- **Onion:** 1 to 2 quarts/acre when foliage is 6» height and continue on a 14 to 21 day interval during bulb development stages. Water rate: minimum 20 gallons/acre.
- **Peanut:** 1 to 2 quarts/acre at the 4 to 6 leaf stage. Repeat as necessary at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Pears:** 4 to 6 applications of 2 quarts/acre from the end of flowering. Repeat applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.

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Product Recommendations

Typical Crop Recommendations (cont'd)*

- **Peas:** 1 to 2 quarts/acre when crop is 4 to 6 inches tall. Repeat if necessary at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Pepper:** 1 quart/acre post-transplant through the start of flowering. Repeat at 10 to 14 day intervals as necessary at 1 to 2 quarts/acre. Water rate: 10 to 50 gallons/acre.
- **Potato:** For increased tuber set apply 1 to 4 quarts/acre at tuber initiation. To encourage tuber size, apply 1 to 4 quarts/acre at early tuber bulking (one inch tubers) and repeat at 10 to 14 day intervals as necessary. Water rate: 10 to 50 gallons/acre.
- **Raspberry:** 1 to 2 quarts/acre from start of new season leaf growth. Repeat at 7 to 14 day intervals as necessary. Also, after final harvest before onset of leaf senescence. Avoid application during flowering. Water rate: 50 gallons/acre.
- **Sorghum:** 1 to 2 quarts/acre at the 4 to 8 leaf stage. Repeat at 10 to 14 day intervals if necessary. Water rate: 3 to 20 gallons/acre.
- **Soybean:** 1 to 2 quarts/acre when crop is 4 to 6 inches tall. Repeat if necessary at 10 to 14 day intervals. Water rate: 3 to 20 gallons/acre.
- **Strawberry:** 1 to 2 quarts/acre from post-transplant, start of spring growth. Repeat applications on a 14 to 21 day interval. Water rate: aerial and ground applied minimum 30 gallons/acre.
- **Stone Fruit - including but not limited to - Apricot, Cherry, Nectarine, Peach, Plum:** 2 to 5 applications of 2 quarts/acre from petal fall. Repeat applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Sugar Beet:** 1 to 2 quarts/acre applied at the 4 to 6 leaf stage. For moderate to severe deficiency, repeat at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Sunflower:** 1 to 2 quarts/acre at the 2 to 6 leaf stage. Repeat if necessary 10 days later. Water rate: 5 to 20 gallons/acre.
- **Sweet Potato:** To increase root size, apply 1 to 2 quarts/acre during root bulking, repeating at 10 to 14 day intervals. Water rate: 5 to 10 gallons/acre aerially, 10 to 50 gallons/acre by ground application.
- **Tomato:** 1 quart/acre at the 4 to 6 leaf stage. 1 to 2 quarts/acre during fruit development, repeat in 10 to 14 days. Water rate: 10 to 50 gallons/acre.
- **Tree Nuts:** 1 to 2 quarts/acre after nut set on a 14 to 21 day interval through sizing and leaf canopy development thru hull split. Water rate: minimum 50 gallons/acre.

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