Knowledge grows

YaraVita® SENIPHOS™

A formulated product for the treatment of calcium and phosphorus related disorders in fruit and other crops

Guaranteed Analysis	
Total Nitrogen (N)	3%
Ammoniacal Nitrogen	2%
Nitrate Nitrogen	1%
Available Phosphate (P_2O_5)	23%
Calcium (Ca)	3%
Derived from Ammonium Nitrate, Calcium Phosphate, Ammonium Phosphate, Phosphoric Acid	

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. Trialed 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

Yara North America, Inc. • 1-800-234-9376 • www.yara.us
Yara Canada, Inc. • 1-800-667-7255 • www.yaracanada.ca

Product Recommendations

Typical Crop Recommendations*

- **Alfalfa:** 1 to 2 quarts/acre when sufficient leaf cover to intercept spray. Then 1 to 2 quarts/acre one week after every cut. Water rate: 20 gallons/acre.
- **Apple:** 3 to 8 applications of 1 to 4 quarts/acre at 10 to 14 day intervals commencing at petal fall. One or two applications (7 days apart) should be applied alone once the fruit has started to change color, normally 2 to 3 weeks before harvest. Water rate: 50 to 100 gallons/acre.
- **Artichoke:** 1 to 2 quarts/acre beginning at the 4 to 6 leaf stage. Repeat as necessary at 10 to 14 day intervals. Water rate: minimum 50 gallons/acre.
- **Asparagus:** 3 applications of 2 quarts/acre applied to ferns prior to senescence. Water rate: 20 gallons/acre
- **Avocado:** 2 to 4 quarts/acre pre flower and again after fruit set. Repeat in 14 to 21 day intervals during fruit sizing and maturity. Water rate: minimum 50 gallons/acre.
- **Beans:** 1 to 2 quarts/acre during active growth. Repeat on a 10 to 14 day interval. Water rate: minimum 30 gallons/acre.
- **Beets:** 1 to 2 quarts/acre beginning at 4 to 6 leaf stage. Repeat applications in 10 to 14 day intervals. Water rate: minimum 20 gallons/acre.
- **Blackberry:** Max Rate of Single Application is 4 quarts/acre. Apply 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:** 2 to 4 quarts/acre applied 7 to 10 days after petal fall. Repeat during berry sizing. Water rate: 100 gallons/acre.
- **Boysenberry:** 1 to 4 quarts/acre during active growth. Repeat on a 10 to 14 day interval through fruit development. Water rate: minimum 50 gallons/acre.
- **Brassicas - Including, but not limited to: Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Collards, Kale:** 2 to 3 applications of 1 to 4 quarts/acre from stem extension/head development at 7 to 14 day intervals. Water rate: 7 to 20 gallons/acre.
- **Bulb Vegetables - Including, but not limited to: Garlic, Leek, Onion, Shallot:** 1 to 2 applications of 2 quarts/acre during bulb filling, with a 10 to 14 day interval between sprays. Water rate: 20 gallons/acre
- **Canola:** 4 quarts/acre at onset of stem extension. If appropriate, consider a second application 10 to 14 days later. Water rate: 3 to 20 gallons/acre.
- **Carrot:** 2 quarts/acre applied 2 to 3 times when crop is 6 inches tall and at 7 to 10 day intervals. Water rate: 20 gallons/acre.
- **Cashew:** 1 to 2 quarts/acre during active growth. Repeat on a 10 to 14 day interval through fruit development. Water rate: Minimum 50 gallons/acre.
- **Celery:** 1 to 2 quarts/acre during active shoot growth. Repeat on a 10 to 14 day interval through maturity. 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.
- **Chickpeas:** 1 to 2 quarts/acre during active growth. Repeat on a 10 to 14 day interval. Water rate: minimum 20 gallons/acre.
- **Chinese Cabbage:** 2 to 3 applications of 2 to 4 quarts/acre from stem extension/head development at 7 to 14 day intervals. Water rate: 7 to 20 gallons/acre.
- **Citrus - Including but not limited to: Grapefruit, Lemon, Orange, Pomelo:** 2 to 4 quarts/acre at fruit set with 1 to 2 further applications at 10 to 14 day intervals. Water rate: 50 to 100 gallons/acre.
- **Cotton:** 2 quarts/acre from 10% flowering at 14 day intervals. Water rate: 30 gallons/acre.
- **Corn:** 2 quarts/acre at 4 to 8 leaf stage. Water rate: 20 gallons/acre.
- **Cranberry:** beginning at 'pinhead' apply 2 to 3 applications of 2 to 4 quarts/acre. Repeat at 10 to 21 day intervals. Water rate: minimum 50 gallons/acre.
- **Cucurbits - Including, but not limited to: Squash, Melons, Cucumber, Pumpkin:** 3 to 5 applications of 1 to 2 quarts/acre at 7 day intervals commencing at fruit set. Water rate: 20 gallons/acre
- **Eggplant:** 1 to 2 quarts/acre beginning at early plant development. Repeat as necessary on a 10 to 21 day interval after fruit set. Water rate: minimum 50 gallons/acre.
- **Figs:** 2 to 3 quarts/acre beginning after petal fall-fruit set. Repeat on a 14 to 21 day interval. Water rate: minimum 50 gallons/acre.
- **Grapes – Table and Wine:** 2 to 4 quarts/ac beginning at cluster elongation. Continue thru fruit sizing on a 14 to 21 day interval thru veraison. Water rate minimum 50 gallons/acre.
- **Hops:** Apply multiple applications of 1 to 4 quarts/acre beginning when bine growth commences, when crop starts to burr, with further applications at 14 to 21 day intervals. Water rate: minimum 50 gallons/acre.
- **Kale:** 4 quarts/acre 2 weeks after transplanting, or for direct seed crops at the 4 to 6 leaf stage. Repeat as necessary at 7 to 14 day intervals. Water rate: 5 gallons/acre.
- **Kiwi:** 2 to 4 quarts/ac beginning at petal fall. Repeat in 10 to 21 day intervals during fruit sizing and maturity. Water rate minimum 50 gallons/acre.

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Product Recommendations

Typical Crop Recommendations (cont'd)*

- **Leafy Vegetables - including but not limited to - Lettuce, Spinach:** 2 to 4 quarts/acre 2 weeks after transplanting or for direct sown crops at the 4 to 6 leaf stage. Repeat as necessary at 7 to 14 day intervals. Water rate: 20 to 50 gallons/acre.
- **Nursery Stock and Ornamentals:** 2 gallons in 100 gallons water (2 % 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 year. Maximum water rate: 20 gallons/acre.
- **Olive:** 1 to 4 quarts/acre before flowering. Repeat at 1 to 2 quarts/acre 10 to 14 days after flowering. Water rate: 50 to 100 gallons/acre.
- **Papaya:** 1 to 2 quarts/acre beginning at early fruit development. Repeat in 14 to 21 day intervals during fruit sizing. Water rate: minimum 50 gallons/acre.
- **Peach:** 2 to 5 applications of 2 to 4 quarts/acre at 7 to 14 day intervals commencing at petal fall. Water rate: 50 to 100 gallons/acre. For red coloration: 4 quarts/acre in 100 gallons of water has been shown to enhance red coloration. Seniphos should be applied Alone and NOT mixed with agrichemicals. One or two applications (7 days apart) should be made once the fruit has started to change color, normally 2 to 3 weeks before harvest.
- **Peanut:** 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:** 3 to 8 applications of 1 to 4 quarts/acre at 10 to 14 day intervals commencing at petal fall. Water rate: 50 gallons/acre.
- **Peas:** 2 quarts/acre before flowering. Water rate: 3 to 20 gallons/acre.
- **Pepper:** Up to 4 applications of 2 quarts/acre commencing from flowering on second truss. Repeat at 10 to 14 day intervals. Water rate: 50 gallons/acre.
- **Persimmons:** 2 to 4 quarts/acre beginning at early fruit development. Repeat in 14 to 21 day intervals during fruit sizing. Water rate: minimum 50 gallons/acre.
- **Plum:** 2 to 5 applications of 2 to 4 quarts/acre at 7 to 14 day intervals commencing at petal fall. Water rate: 50 to 100 gallons/acre. For red coloration: 4 quarts/acre in 100 gallons of water has been shown to enhance red coloration. Seniphos should be applied Alone and NOT mixed with agrichemicals. One or two applications (7 days apart) should be made once the fruit has started to change color, normally 2 to 3 weeks before harvest.
- **Pomegranate:** 2 to 4 quarts/acre beginning at petal fall. Repeat applications in 10 to 21 day intervals. Water rate: minimum 50 gallons/acre.
- **Potato:** A minimum of 2 applications of 2 to 4 quarts/acre during tuber bulking (as soon as first formed tubers are ½» in diameter) and following petiole analysis during tuber bulking. Allow 10 to 14 days between applications. Water rate: 20 gallons/acre.
- **Raspberry:** 3 applications of 1 to 4 quarts/acre. Start of flowering, end of flowering and fruit development. Water rate: 50 gallons/acre.
- **Rice:** 2 quarts/acre applied 25 to 30 days after sowing and once again before flowering. Water rate: 20 to 40 gallons/acre.
- **Sorghum:** 1 to 2 pints/acre at the 4 to 8 leaf stage. Water rate: 3 to 20 gallons/acre.
- **Soybean:** 2 quarts/acre before flowering. Water rate: 3 to 20 gallons/acre.
- **Strawberry:** 1 to 4 quarts/acre from start of flowering. Repeat applications at 14 to 21 day intervals. Water rate: 20 to 50 gallons/acre.
- **Stone Fruit - including but not limited to - Apricot, Cherry, Nectarine:** 2 to 5 applications of 1 to 4 quarts/acre at 7 to 14 day intervals commencing at petal fall. Water rate: 50 to 100 gallons/acre.
- **Sugar Beet:** 2 quarts/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: 7.5 to 20 gallons/acre.
- **Sugar Cane:** 4 quarts/acre when cane is between 12 to 48 inches tall. Repeat applications may be necessary at 10 to 14 day intervals. Water rate: 20 gallons/acre.
- **Sunflower:** 2 quarts/acre at the 3 to 4 leaf stage. Water rate: 5 to 20 gallons/acre.
- **Sweet Potato:** 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:** 1 to 2 quarts/acre 2 to 3 weeks after transplanting. Repeat application 10 to 14 days later. Water rate 3 to 50 gallons/acre.
- **Tomato:** 2 to 4 applications of 2 quarts/acre commencing from flowering on second truss. Repeat at 10 to 14 day intervals. Water rate: 3 to 50 gallons/acre.
- **Tree Nuts - including but not limited to - Almond, Pecan, Pistachio:** 2 to 5 applications of 1 to 4 quarts/acre at 7 to 14 day intervals commencing at petal fall. Water rate: 50 to 100 gallons/acre.

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