



Knowledge grows

YaraVita[®] SAFE N[™]

Foliar Nitrogen 25%

A concentrated nitrogen product formulated for foliar application.
Guaranteed Analysis: soluble in water

Total Nitrogen (N)	25% w/w
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Nitrogen deficiency vs. healthy plant



Nitrogen-deficient corn plant

The need for nitrogen

Nitrogen is the most limiting nutrient to crop production with a majority of nitrogen being applied as urea (46-0-0), UAN (28-0-0) or anhydrous ammonia (82-0-0). Foliar nitrogen, such as Safe-N, can supplement a soil applied program through timely in-season applications. When growing season conditions affect in-season soil nitrogen supply, consider Safe-N:

- Yield potential exceeds nitrogen fertilizer application
- In-season nitrogen loss (denitrification, leaching or volatilization)
- Additional late season nitrogen to improve grain quality and protein

Deficiency Symptoms

Nitrogen is mobile in the growing plant, therefore deficiencies show up first in the older leaves. Plants show a general yellowing or become a pale green color, are stunted and mature early. The oldest leaves become quite yellow and fall off. In some crops, e.g. brassicas, the nitrogen deficient leaves are red instead of yellow. Low proteins in harvested grain are a good indicator of low soil nitrogen levels.

Benefits

- 25% of nitrogen source as controlled release
- Formulated for rapid uptake and long term feeding
- Formulated to ensure rain fast
- Very crop safe at critical crop stages
- Proven reliable performance
- Easy to use liquid formulation
- Highly concentrated liquid reduces rates and handling time with less packaging waste
- Wide ranging tank mix profile: visit www.tankmix.com for details.



Product Recommendations

Almond & Walnuts: 2 to 4 quarts/acre before flowering. Repeat 30 days after flowering, if necessary. Also, after harvest before leaf fall. Water rate: 20 gallons/acre minimum.

Apple: 2 to 4 quarts / acre from bud burst to the start of flowering and/or from petal fall with a repeat application 10 to 14 days later if necessary and/or after harvest before leaf senescence. Water rate: 50 gallons/acre. Alternatively: Apply 4 to 5 quarts/acre prior to fruit set or post harvest. Safe N 25-0-0 can be applied either undiluted or diluted (with water) for aerial or ground application. Use sufficient carrier to adequately cover crop foliage.

Apricot: 2 to 4 quarts/acre from petal fall with a repeat application 10 to 14 days later if necessary and/or after harvest before leaf senescence. Water rate: 500 gallons/acre.

Beans: 4 to 5 quarts/acre . Apply pre-flowering. Repeat at pod set if required. Water rate: 10 to 20 gallons/acre. Alternatively: DRY: (Single Application) - 9 quarts/acre at early pod formation. (Multiple Applications) - 4 to 5 pints/acre at early full flower and repeat in 10 -14 days. Last N 25-0-0 can be applied either undiluted or diluted (with water) for aerial or ground application. Use sufficient carrier to adequately cover crop foliage.

Blueberries: Apply 1 to 2 gallons/acre at early fruit set and repeat at early fruit color. Safe N 25-0-0 can be applied either undiluted or diluted (with water) for aerial or ground application. Use sufficient carrier to adequately cover crop foliage.

Cereals: 2 to 7 quarts/acre. Apply from tillering to the end of the milk development stage in grain ripening (Zadoks G.S. 21 to 79). Water rate: 10 to 20 gallons/acre. N.B. Note that later foliar nitrogen applications may raise grain nitrogen status.

Cherry: 2 to 4 quarts / acre from petal fall with a repeat application 10 to 14 days later if necessary and/or after harvest before leaf senescence. Water rate: 50 gallons/acre. Alternatively; Apply 5 to 9 quarts/acre at early fruit set and repeat at early fruit color. Safe N 25-0-0 can be applied either undiluted or diluted (with water) for aerial or ground application. Use sufficient carrier to adequately cover crop foliage.

Cotton: Apply at 1 to 4 pints/acre at 4 leaf stage. Apply at 4 to 7 pints/acre at early bloom. Repeat once or twice at 10 to 14 day intervals, if necessary. Water rate: 20 gallons/acre.

Grapes (table wine & grapevines): Two applications of 2 to 4 quarts/acre at a 10 to 14 day interval from leaves unfurled up to flower buds separated and/or two applications of 4 to 7 quarts/acre at a 10 to 14 day interval from start of veraison. Also, 4 to 6 quarts/acre applied after harvest before leaf senescence. Water rate: 15 gallons/acre minimum.

Lettuce: Field Grown: 4 to 5 quarts/acre. Apply 10 to 14 days after transplanting or thinning. Repeat 14 days later and again 14 days prior to harvest. Water rate: 50 Gallons/acre minimum. Alternatively: 4 to 5 quarts/acre. Apply after thinning, then at early head formation and repeat at 10 - 14 day intervals. Safe N 25-0-0 can be applied either undiluted or diluted (with water) for aerial or ground application. Use sufficient carrier to adequately cover crop foliage.

Nursery stock/ornamentals: (Outdoor) 0.5 to 2 gallons Per 100 gallon of water. Repeat at 10 - 14 day intervals as necessary. Avoid applications during flowering. Safe N 25-0-0 has been applied undiluted to some types of ornamentals and nursery stock. Since these plants vary widely in growth habit and leaf texture, some types are more susceptible to leaf or tip burn than others. It is recommended that the user try only a few plants at undiluted

or concentrated rates and observe for a week before general applications are made.

Peach: 2 to 4 quarts/acre from petal fall with a repeat application 10 to 14 days later if necessary and/or after harvest before leaf senescence. Water rate: 50 Gallons/acre. Alternatively; Apply 5 to 9 quarts/acre at early fruit set and repeat at early fruit color. Safe N 25-0-0 can be applied either undiluted or diluted (with water) for aerial or ground application. Use sufficient carrier to adequately cover crop foliage.

Potatoes: 1 to 2 gallons/acre before tuber set and at early bloom. Also, apply 1 to 2 gallons/acre, if required, following petiole analysis. Water rate: 10 to 20 gallons/acre.

Tomato: Field Grown: 1 to 1.5 gallons/acre. Apply at fruit set. Repeat at 10 to 14 day intervals as required. Water rate: 50 gallons/acre minimum. Alternatively: PROCESS: (Single Application) - 2.5 gallons/acre. Apply 10 - 14 days after full bloom. (Multiple Applications) - 1 to 1.5 gallons/acre at full bloom and repeat at 10 - 14 day intervals until harvest is near completion. Safe N 25-0-0 can be applied either undiluted or diluted (with water) for aerial or ground application. Use sufficient carrier to adequately cover crop foliage.

Turf: 3 to 9 fl oz per 1000 sq ft in a water volume of 0.5 to 1.5 galls/1000 sq ft every 7 - 14 days during the growing season based on nutritional requirements.

*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.