



# 3-18-18

## MACRO LIQUID FOLIAR FORMULATION

- **Readily Available for Fast Uptake**
- **Increase Bud Induction**
- **Enhance Bloom**

**GUARANTEED ANALYSIS:** F106

Total Nitrogen(N)	3%
Available Phosphoric Acid (P <sub>3</sub> O <sub>5</sub> )	18%
Water Soluble Potash (K <sub>2</sub> O)	18%
Weight Per Gallon	11.8
pH	7

**Derived from:** Urea, polyammonium phosphate, phosphoric acid, potassium hydroxide, monopotassium phosphate.

**PRODUCT DESCRIPTION:**

Our micro 3-18-18 is a highly soluble foliar, low salt index formulation developed to supplement standard soil fertility practice. Provides an additional source of nitrogen, phosphorus and potassium nutrients during the growing seasons. 3-18-18 is designed to be used in concert with soil and tissue tests and professional recommendations to manage the nutrient levels and nutrient balance within the crop. 3-18-18 is in a form readily absorbed by plant tissue. In this form, nitrogen, phosphorus and potassium

- **Increase Fruit Set**
- **Increase Fruit Size**
- **Fast Foliar Absorption**

can be applied to the growing plant.

**All Field Crops or Direct Seeded Crops:** 3-18-18 placed immediately under the seed can speed early growth and strengthen young plants. Apply 1 to 3 gallons per acre banded in the seed bed not in direct contact with seed. On light textured or sandy soils (CEC 20 or below) use 1 to 2 gallons per acre. Do not apply directly under seed on cotton. Do not apply to soils with inadequate moisture for germination unless seeds will be irrigated. Warning: Application to soils with inadequate moisture may result in germination problems.

**Early Applications for Seeded Crops:** Applications of 3-18-18 early in the plant's life can encourage earlier development, increased growth and vigor. 3-18-18 may effectively be applied at the first to second true leaf stage as a directed spray to the small plant. When spraying young plants, use ground application equipment and use "sprayed acres" to determine amounts of spray to be applied.

CROP	RATE	Application Timing / Intervals
Tree Crops: Apples, Nectarines, Peaches Pears, Plums	1 - 3 gallons per acre	Apply 3-4 times each season starting at three quarter leaf, then at early fruit size, fruit midsize and 3-4 weeks prior to harvest.
Avocado	1 - 4 gallons per acre	Apply pre-bloom, Bud Induction, fruit set and fruit sizing periods
Cherries, Apricots	1 - 3 gallons per acre	Starting at pink bud, first full leaf, then at fruit midsize, and post-harvest.
Citrus	3-6 gallons per acre	Apply 4-6 times each year starting at Bud Induction, pre-bloom, first set and then fruit size.
Figs	1-3 gallons per acre	Apply 3-4 times each season starting at first full leaf, then a fruit set, fruit size and 3 - 4 times weeks prior to harvest.
Olives	1-3 gallons per acre	Apply 3 times each season starting at pre-bloom, early fruit development, and 3-4 weeks prior to harvest.
Walnuts, Almonds, Pistachios, Filberts, Pecans	1 to 4 gallons per acre	Apply 3 times each season at first full leaf, early nut development and 3 to 4 weeks prior to hull split.
Field Crops Alfalfa	1 to 3 gallons per acre	Immediately after cutting. 2 to 3 gallons per acre the final cutting of the season.
Cotton	1 to 3 gallons per acre	Starting at first square, then first bloom, peak bloom and peak boll set.
Milo	1 to 3 gallons per acre	3 times each season starting at first trifoliate leaf. Last application at pod fill.
Potatoes	1 to 3 gallons per acre	3 - 4 times during season. The first at early emergence, 3 to 4 weeks later and pre-bloom.
Sunflower	1 to 3 gallons per acre	When 4 - 8 inches tall and 2 to 3 weeks prior to bloom.
Soybeans	1 to 3 gallons per acre	3 times each season starting at first full leaf. Last application should be at early pod fill.

CROP	RATE	Application Timing / Intervals
Wheat, Barley, Oats, Rice	1 to 2 gallons per acre	Per acre at early tilling and again at early boot stage
Vine Crops, Cranberries	1-5 gallons	Apply as needed
Grapes	1 to 3 gallons per acre	3 - 4 times each season. 1 gallon per acre at first full leaf, then 2 to 3 gallons per acre at post bloom. Berry size 3 to 4 weeks prior to harvest.
Vegetable and Horticultural Crops Artichokes	1 to 3 gallons per acre	3 to 4 weeks prior to each peak harvest period
Asparagus	1 to 3 gallons per acre	At full fern and 3 to 4 gallons per acre 2 weeks before fern turns yellow in the fall
Bush Berries	1 to 3 gallons per acre	3 times each season, starting at first full leaf, then post-bloom and berry sizing time.
Celery	1 to 3 gallons per acre	Immediately after transplanting or thinning, 3 to 4 weeks after application and 3 to 4 weeks prior to harvest
Beans, Peas	1 gallon per acre	At first true leaf stage, 1 to 2 gallons per acre pre-bloom and 1 to 2 gallons per acre at pod fill
Cole Crops, Cabbage, Cauliflower, Broccoli, Brussels Sprouts	1 to 3 gallons per acre	Immediately after transplanting or thinning, 3 to 4 weeks after application and 3 to 4 weeks prior to harvest
Lettuce	1 to 3 gallons per acre	2 to 3 times each season starting at second true leaf after transplanting or thinning, at folding, with the last application 3 weeks prior to harvest.
Melons, Cucumbers, Squash	1 to 3 gallons per sprayed acre	3 times per year starting at second to third leaf stage, then early post-bloom then 2 to 3 weeks prior to harvest.
Onions, Garlic	1 to 3 gallons per sprayed acre	3 times each season, starting when first early-set is 3 inches, then at midseason and then 2 and 3 weeks prior to harvest.
Peppers	1 to 3 gallons per acre	3 times each season, starting at first new growth after transplant or thinning, Then at first blossom, and at fruit set/fruit size.
Spinach	1 to 3 gallons per acre	3 times each season, starting at first true leaf, then midseason and 2 to 3 weeks prior to harvest
Strawberries	1 to 2 gallons per acre	At early fruit set and after each picking
Sweet Corn	1 to 3 gallons per sprayed acre	Starting at second to third leaf stage, pre-tassel and early ear development
Sweet Potatoes	Use planting drench of 3 gallons per 100 gallons of water	Foliar 1 to 3 gallons per acre 3 weeks after planting, midseason and 2 to 3 weeks prior to harvest
Tomatoes	1 to 3 gallons per acre	4 times each season, starting at first true leaf, then at early bloom, fruit set, early fruit size
Transplant Solution and Drenches	Mix thoroughly 1 to 2 gallons No less than 100 gallons of water and drench roots.	For vegetables drench entire plant. Plant immediately after drenching. Do not allow plants to dry or wilt. Total amount of 3-18-18 used should not exceed 3 gallons per acre regardless of amount of water used in transplanting.

**Condition of Sale and Warranty:** Growth Products, Ltd. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products, Ltd. and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL GROWTH PRODUCTS, LTD. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

**CAUTION:** Keep out of reach of children. In case of contact with eyes, flush immediately with copious amounts of water. Contact a physician. Do not take internally.

