

VEGETABLE APPLICATION GUIDELINES

Drammatic™ Liquid Fish Fertilizers 2-5-0.2 for Organic Crop Production

DIRECTIONS FOR USE

- Application rates are undiluted Fish & based on per acre usage. Dilute per individual specifications as listed below.
- Do not store diluted fertilizer. Agitate solution continuously while using a hand held plant sprayer or field tank sprayer.
- For best results apply to plant foliage at times of no rain and minimum wind.
- Foliar fertilization is intended as a supplement to a soil fertility program. It may not, by itself, provide all nutrients necessary for optimal plant performance.
- Early morning or late afternoon and early evening are preferred times for applying Drammatic™ Liquid Fish Plant Foods.

Tomatoes – Peppers

Transplanting

- Dilute Drammatic™ Liquid Fish Plant Food 1:20 and wet root zone

Foliar Application

Beginning with Appearance of Blossoms, Foliar Spray Every 10–14 Days to Reduce Stress and Sustain Productive Life of Plant. Spray to Run–Off.

GARDENER

- 1 cup Drammatic™ Liquid Fish Plant Food
- 1/4 cup Molasses
- 1 gal Water

COMMERCIAL GROWER

- 2 gal Drammatic™ Liquid Fish Plant Food
- 1/2 gal Molasses
- 20 gal Water

STRESS MANAGEMENT

- 2 gal Drammatic™ Liquid Fish Plant Food
- 2 lbs Epsom Salt (Magnesium Sulfate)*
- 2 – 8 oz Fulvic Acid
- 1/2 gal Molasses
- 20 gal Water

At times of cold weather stress or heat stress, the use of Drammatic™ Liquid Fish Plant Food with epsom salt (magnesium sulfate) can be very helpful. This formula helps the plant absorb an adequate amount of magnesium, vitamins, and amino acids to set blooms and prevent dropping blooms and aborting small fruit.

Tomato Management Note: for optimum health and yield, apply 1/2 lb. (or 1 ton/acre) of agricultural grade gypsum to each transplant. The additional available calcium should substantially reduce tomato blossom end rot and in most cases eliminate it. Reminder– Drammatic™ Liquid Fish Plant Food is your emergency kit for stressed plants.

Cucurbit Family: Cucumbers – Pumpkins – Squash – Melons

Seed Row Starter

- Gardeners–** Apply Drammatic™ Liquid Fish Plant Food 6oz/100 foot row • Dilute 1:10
Commercial Growers– Apply 10 gal/acre • Dilute if necessary

Transplanting

- Dilute Drammatic™ Liquid Fish Plant Food 1:20 and wet root zone

VEGETABLES

Potatoes

Seed Row Starter

Gardeners– Apply Drammatic™ Liquid Fish Plant Food 1 Tablespoon on seed piece at planting • Do not Dilute

Commercial Growers– Apply Undiluted up to 50 gal/acre

Other options– If you select to dilute fish: blend 50% Liquid Fish Plant Food with 25% molasses and 25% water. Increase application to 2 tablespoons over seed piece or up to 100 gal/acre.

Foliar Application

Apply 2 weeks after emergence and again every 10–14 days (improves set of tubers) until plant begins to mature and die back(improves bulk–out).

Gardeners–

- 1 Pint Drammatic™ Liquid Fish Plant Food
- 1/2 cup Molasses
- 1 gal Water

Commercial Growers–

- 3 gal Drammatic™ Liquid Fish Plant Food
- 1 gal Molasses
- 40 gal Water

Note: Liquid Fish may sustain life of plant, and potato crop may mature 1–2 weeks later. However, yield will be increased, and skin set will be excellent.

Legumes: Peas – Green Beans – Edible Soybeans

Seed Row Starter

Gardeners– Apply Drammatic™ Liquid Fish Plant Food 6oz/100 foot row • Dilute 1:5

Commercial Growers– Apply 10 gal/acre • Dilute if necessary

Foliar Application

Proposed Key Growing Stages to Apply Foliar

Peas:

At 6" to 10" Apply Drammatic™ Liquid Fish Plant Food 3 gal/acre • Dilute 1:20

Green Beans:

Apply Drammatic™ Liquid Fish Plant Food 3 gal/acre • Dilute 1:20

2nd Tri–foliage • 8–10 days after planting

Beginning of Bloom • 40–45 days after planting

Repeat Application Every 5–7 days until Harvest

Note: to maximize yield in extreme heat (above 90° F) during bean bloom, foliar feed in early morning as often as every 2–3 days. This aids in avoiding blossom drop and helps set new beans.

Root Crops: Carrots – Beets – Onions – Radishes – Rutabagas – Turnips

Seed Row Starter

Gardeners– Sprinkle or spray Drammatic™ Liquid Fish Plant Food 5oz/100 sq feet • Dilute 1:10

Commercial Growers– Apply 20 gal/acre • Dilute 1:5

Foliar Application

30 – 40 Days after Seeding– late maturing varieties repeat every 20 days

Gardeners– Apply Drammatic™ Liquid Fish Plant Food 5oz/100 feet of row • Dilute 1:10

Commercial Growers– Apply 2gal/acre • Dilute 1:10

VEGETABLES

Asparagus

Soil Application

Apply Drammatic™ Liquid Fish Plant Food over beds after harvest to enhance fern growth, reduce stress, and help set next years crop.

Gardeners– Apply Drammatic™ Liquid Fish Plant Food 1 pint/50 foot row • Dilute 1:10

Commercial Growers– Apply 20 gal/acre • Dilute 1:10

Leafy Vegetables: Lettuce – Spinach – Greens

Seed Row Starter

Gardeners– Sprinkle or spray Drammatic™ Liquid Fish Plant Food 5oz/100 sq feet • Dilute 1:10

Commercial Growers– Apply 20 gal/acre • Dilute 1:5

Foliar Application

3–4 WEEKS AFTER PLANTING

Gardeners– Apply Drammatic™ Liquid Fish Plant Food 5oz/100 sq. feet • Dilute 1:10

Commercial Growers– Apply 2 gal/acre • Dilute 1:10

1–3 DAYS AFTER HARVEST

Enhances re-growth • Use previous rate

Sweet Corn

Seed Row Starter

Apply Drammatic™ Liquid Fish Plant Food Straight or Dilute as Necessary for In-Row Starter

The high percentage of available phosphorus in Drammatic™ Liquid Fish Plant Food aids in germination

Gardeners– Apply 3oz /100 feet of row

Commercial Growers– Apply 5–10 gal Drammatic™ Liquid Fish Plant Food/acre

•5 gal for warm soil planting conditions

•10 gal for cold soil planting conditions

Foliar Application

PLANT MAINTENANCE

Gardeners– Apply Drammatic™ Liquid Fish Plant Food 2oz/100 feet of row • Dilute 1:10

Commercial Growers– Apply Drammatic™ Liquid Fish Plant Food 2gal/acre • Dilute 1:10

Proposed Key Growing Stages to Apply Foliar

At 9th to 10th Leaf

Knee High

Pre-Silk

Milk to Early Dough Stage

PLANT STRESS – Heat Stress and Drought Stress

To maximize yield, Drammatic™ Liquid Fish Plant Foods have been found effective in reducing heat and drought stress. The previous rate should be repeated during severe stress conditions. In addition, adding pure cane molasses to a fish and kelp foliar mix will help the plant maintain a high brix level. Suggested mixing rates are 25–30% molasses to 70–75% Drammatic™ "K" Fish & Kelp.

PLANT STRESS – Cold Weather or Excessive Moisture Stressed Young Plants

This foliar feed formula aids small, pale, yellow plants to bounce back successfully

- 3 gal Drammatic™ Liquid Fish Plant Food
- 2 lbs Epsom Salt (Magnesium Sulfate)*
- 1 gal Molasses
- 20 gal Water

**Dissolve magnesium sulfate crystals in a clean barrel. Do not add directly to spraying tank.*

Caution: Undissolved crystals will plug nozzle tips. We recommend using Epsom Salt rather than fertilizer grade magnesium sulfate, which usually has sand added as a carrier.

VEGETABLES

Cole Crops: see "Transplanting"

TRANSPLANTING

General Guidelines

Dilute Drammatic™ Liquid Fish Plant Food 1:20 – Thoroughly wet root zone prior to planting

SOFT FRUITS

Blueberries - Raspberries - Strawberries - Cranberries

Foliar Application

PLANT MAINTENANCE

Gardeners– Apply Drammatic™ Liquid Fish Plant Food 3–4oz/25 foot row • Dilute 1:10

Commercial Growers– Apply 5gal/acre • Dilute 1:10

Proposed Key Growing Stages to Apply Foliar

Spring Feeding– Apply up to 3 Feet Away from Stem Growth

30–40 Days After Leaf Growth

Fruit Set

FRUIT TREES

Apple - Cherry - Peach - Pear - Plum

Foliar Application

Proposed Key Growing Stages to Apply Foliar

Pre–Bud Burst, Early Sap Flow

Green Cluster Budding (unless within 4 weeks of previous application)

Petal Fall

Fruit Set

Apply Drammatic™ Liquid Fish Plant Food 5 gal/acre • Dilute 1:10 (1–2 quarts of mix/tree)

Divide equally among trees

Apply with orchard sprayer or sprayer with very small droplet size

Note: many growers add 1/2 gallon/acre of Drammatic™ Liquid Fish Plant Food to their foliar mixture every time they spray

NOTICE: Please seek appropriate agronomic advice before using this product. Although Drammatic Liquid Fish Fertilizers are low-impact, all fertilizers can burn or otherwise damage crops. Soil conditions, climate, application methods, irrigation and agricultural practices are beyond the control of Dramm Corporation and cannot be foreseen. Therefore, Dramm Corporation accepts no responsibility whatsoever for any commercial damage, crop loss or other result due to the use of this product whether or not used in accordance with directions. The buyer accepts and uses this product subject to these conditions.

WISCONSIN RESIDENTS ONLY: Due to Wisconsin's 24% NPK percentage requirement law, Drammatic Liquid Fish and Fish and Kelp are licensed for use in Wisconsin only as special-use fertilizers for Cranberry and Ginseng, and are also licensed as non-agricultural fertilizers permitted for non-farm use, such as home gardens, lawns, shrubbery, flowers, golf courses, parks, cemeteries, greenhouses or nurseries, or for research or experimental purposes.

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