

A high quality hydrolyzed fish product for field, greenhouse, and hydroponic crops

Specifications

Physical characteristics		Chemical characteristics	
Form	Liquid	pH	3.5
Color	Brown	Solubility	80% Water Soluble
Odor	Fishy odor	Density	1.03 – 1.06 g/cc
		Boiling point	100°C

Storage and Handling

- Store in cool dry place away from direct sunlight.
- This product contains no preservatives. It has been manufactured and packaged under strict sanitary conditions to be stable during transportation and storage. Once opened, use product immediately to avoid risk of contamination. Use within the season purchased.

Compatibility

- Compatible with most insecticides, fungicides and fertilizers.
- Some pH adjustments may be required with acidic mixtures.
- Add surfactants after the product has completely dissolved in the tank solution.
- If interaction of chemicals is unknown, a "jar" compatibility test is recommended.

Application Methods

- Compatible with sprayer, injector, irrigation, and hydroponic systems.
- FISH is a natural product, and separation will occur. Concentrate must be well mixed prior to use to create a uniform consistency.
- Clean applicators and hoses after application.
- *Foliar spray*: Mix FISH with water and apply during the cool of the day (avoid applications during periods of heat or moisture stress). Use a surfactant for maximum dispersal and leaf adherence.
- *Soil drench/injection*: treatments can be made by mixing with water and applying in-furrow, side-dress, or as a surface drench. FISH can be mixed with other soil-applied fertility products.
- *Irrigation*: FISH is compatible with all types of irrigation. Dilute with water at 10:1 ratio prior to injection into the system. For micro-sprinkler, solid set or drip irrigation, apply after the system is fully pressurized, inject finished solution for at least one hour, and follow with clean water for at least two hours. Avoid heavy irrigations immediately following application. Do not inject after high alkaline products or carbonate salts without cleaning lines and tanks first.
- *Hydroponics*: Maintain a concentration of 8 mL/L of total solution.
- *Post-Harvest Application*: Apply to perennial crops after harvest to strengthen and prepare for next season's growth. Apply to the soil or foliar using any of the methods described.

Application Rates

- The following tables provide general and crop-specific application rates.

Fruit Crops	App rate	Timing
General guideline	12 L/ha	1st application: Start of regrowth 2nd application: 2 weeks pre-bloom 3rd application: Petal fall
Berries (strawberries, blueberries, etc.)	12 L/ha	1st application: Pre-bloom 2nd application: Petal fall 3rd application: Every 2-3 weeks through harvest 4th application: 2-4 weeks after harvest (optional for overwintering)

FISH LIQUID FISH

Grapes (wine and table)	12 – 24 L/ha	1st application: New growth 2nd application: pre-bloom to 1/4 bloom 3rd application: Fruit set 4th application: 2-3 weeks after 3rd app
Orchard fruits	15 – 24 L/ha	1st application: Budding / transplanting 2nd application: Petal fall 3rd application: Every 2-3 weeks until fruit set
Tropical fruits, berries, melons	15 – 24 L/ha	3-4 applications per season, 3-4 weeks apart

Vegetable Crops	App rate	Timing
General guidelines	12 L/ha	1st application: Planting Maintenance: 3-4 applications per season, 3-4 weeks apart
Leafy vegetables	12 L/ha	1st application: 3-5 leaf stage 2nd application: Every 2-3 weeks until harvest is complete
Peppers, Tomatoes	12 L/ha	1st application: 15 cm plants 2nd application: pre-bloom 3rd application: initial fruiting
Potatoes	12 L/ha	1st application: Planting 2nd application: Tuber initiation 3rd application: Early bloom

Field Crops	App rate	Timing
General guidelines	12 L/ha	1st application: Planting Maintenance: 3-4 applications per season, 3-4 weeks apart
Cereals	12 L/ha	1st application: Planting 2nd application: 3-5 leaf stage 3rd application: 3-4 weeks later 4th application: 3-4 weeks later
Corn & Sorghum	12 L/ha	1st application: Planting 2nd application: 10-15 cm height 3rd application: 30-45 cm height 4th application: Tasseling
Cotton	12 L/ha	1st application: Early bud 2nd application: 2 weeks after 1st app 3rd application: First bloom 4th application: 2 weeks after 3rd app
Forage & turf	12 L/ha	1st application: Start of regrowth Maintenance: Every 1-2 weeks or after each graze or cut
Sugarcane	12 L/ha	1st application: 25-30 days after planting 2nd application: 1 month later 3rd application: 2 weeks before harvest 4th application: 1 month after harvest (ratoon crops)

Nut Crops	App rate	Timing
Peanuts	15 L/ha	1st application: Pegging 2nd application: 2 weeks after 1st app 3rd application: 1-2 weeks after 2nd app 4th application: 1-3 weeks after 3rd app (optional)
Pecans	15 L/ha	1st application: Pre-bloom 2nd application: Petal fall 3rd application: 1 month after 2nd app 4th application: 1 month after 3rd app

Other Crops	App rate	Instructions
Hydroponics	8 mL/L	Maintain concentration when new water is added to the system.
Hydroseeding	50 L/ha	Applied with seeding mixture
Landscape ornamentals	20 L/ha	3-4 times per season, 3-4 weeks apart

For more information, please contact:

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