

Application Guidelines for alfalfa/grass

Proposed application for alfalfa, alfalfa/grass and other legumes

Alfalfa/Grass – Early Spring Application: Apply when Alfalfa is 6-8 inches tall

This can coincide with your biological application for insects (weevils or aphids)

Per acre Application (foliar application or injection into the irrigation system)

1-2 gal	Drammatic ONE Fish Formula
1 gal	AER SP-1 Microbial Extract
1 gal	Humic acid
3-7 gal	K Sulfate
1 gal	molasses
1 gal	Organic trace pack
20 gal	tank mix
optional	Chilean nitrate**

available in dry and liquid forms
Dry- 25-50# broadcast
Liquid ---6-9 gal Chilean nitrate

Alfalfa/Grass – Following applications

Foliar feed after each cutting when the new growth alfalfa is 4-6 inches high. Note after 1st cutting if the alfalfa weevil are a problem, do the foliar program on the early new growth stubble (1-3 inches tall) and add you biological program with the Dramm Liquid Fish (foliar application or injection into the irrigation system)

Per acre Application

1-2 gal	Drammatic Energized Fish Formula
1 gal	SP-1 Microbial Extract
3-7 gal	K Sulfate
1 gal	molasses
2 qt	Organic trace pack
20 gal	tank mix

nitrogen options with **Chilean nitrate**
Dry- 25-50#/acre broadcast
Liquid ---6-12 gal/acre

Fall application

Use above formula plus increase the Dramm One to three gallon/acre and the K-sulfate to 7 gal

Chilean Nitrate

Chilean nitrate is an organic form of nitrate nitrogen and will be taken up into the plant in very cool spring conditions. This will introduce nitrate nitrogen to the plant before microbial activity is maximized.

Available in three forms

- Dry bulk form- a 16-0-0 formula
- liquid form, 1 gal blend contains 3 # Chilean Nitrate.
- Drammatic “ONE” Fish Plant Food contains 13% Chilean nitrate

NOTE: Chilean Nitrate is NOP listed with annotations (limited to 20% the required amount of nitrogen). It is not approved for IFOAM or GOA export markets.

STRESS MANAGEMENT

Plant Stress Cold Weather

This formula is an aid to have small yellowing legumes and grasses bounce back when the natural soil magnesium is tied up in the cold and wet soil in spring and early summer.

Alfalfa/grass Cold Soil Stress Relief Formula:

Per acre application- Foliar application

2 gal	Drammatic Energized Formula
2 #	Magnesium Sulfate(Epsom Salt)***
1 gal	AER SP-1 Microbial Extract
6 gal	Chilean Nitrate
½-1 oz	Fulvic acid (this will vary with the source)
1 gal	Molasses
15 gal	tank mix

STRESS MANAGEMENT

Plant Stress Insects (Aphids, Leaf Hoppers, Bean Leaf Beetle and Alfalfa Weevil)

Nutritive Foliar Feeding Program

Per acre Application – Foliar or injection application

2 gal	Drammatic ONE Fish Formula
1 gal	AER SP-1 Microbial Extract
1-8 oz	AER Fulvic Acid
1 gal	Pure Cane Molasses
20 gal	tank mix

Insect Biological Suppression Foliar Feed Program

Per acre Application – Foliar application only

2 gal	Drammatic Energized Fish Formula
1 gal	AER SP-1 Microbial Extract
10 oz	Neem Blend
20 gal	water
optional	Mycotrol O
	Biological Package*

Magnesium sulfate (Epsom Salt)***

Dissolve magnesium sulfate crystals (Epsom salt) in a clean barrel and warm water. Do not add directly to spraying tank. Keep agitating when added to sprayer to avoid settling.

Caution: The undissolved MAGNESIUM SULFATE crystals will plug nozzle tips. Further, make sure the Epsom salt does not have a sand base carrier. This form of Epsom salt is generally a fertilizer grade product. Use feed grade Magnesium Sulfate

For years this formula has been used to reduce the stress on cold, high magnesium soils and other cold, wet soils. In these conditions the soil magnesium is, nutritionally, not available to the plant. With a single application, the new foliage will generally have new color and vigor.

Neem oil, Safer Soap and Mycotrol O are EPA registered bio-pesticides

Feb 28, 2006