

GRASS HAY AND PASTURES

AgroVantage[®] System Products General Application Rates

Product

Application Rates*

Amplify-D Seed Emergence Aid

Apply at a rate of 3 to 4 ounces for every 50 pounds of seed during initial planting or at re-seeding.

or

Amplify-L

Apply 1 pound to 700 pounds of seed as a liquid-applied seed treatment. Follow label instructions as to mixing and general use.

Foliar Fertilizers¹:

Feast[®] Yield Master™ 9-18-9 or 3-18-18

Spring: Apply 3 to 5 gallons per acre to live ground cover following dormancy.

After each cutting or grazing period: Apply 3 to 5 gallons per acre to good ground cover within 5 to 14 days, but before there is 3" to 4" of regrowth.

Follow soil and plant tissue analysis to determine overall fertility needs (broadcast N-P-K topdressing) that may be required. Laboratory analysis will also provide recommendations for Feast[®] Micro Master™ secondary and micronutrients that may be indicated with foliar N-P-K.

Feast[®] Yield Master™ 3-18-18

In the fall: Apply 2 to 5 gallons per acre before dormancy (prior to a killing frost).

Feast-XL[®] Profit Master™ 26-0-0-0.5B

7 to 10 days before harvest or grazing period: Apply 2 to 3 gallons per acre.

Nitrogen Management:

Guardian[®] Nitrogen Fertilizer Additives

Use Guardian-DF or Guardian DL when urea, ammonium sulfate, ammonium nitrate, or nitrogen solutions such as 28-32% are being used. For best overall response, apply with at least 80% of the total nitrogen to be applied. Do not use these products with less than 30 pounds of nitrogen per acre per application. Add 3-4 pounds of Guardian DF or 1 1/2 quarts of Guardian-DL per 10 gallons of nitrogen solution, up to a maximum of 8-10 pounds of Guardian or 3 to 4 quarts of Guardian-DL per acre.

Soil-Applied

Plant Growth Regulator/

Nematode Suppressant:

Soil X-CYTO[®] Plant Growth Regulator

Broadcast and incorporate (preplant) or apply over the open seed furrows at planting, at the rate of 15 ounces per acre.

If water is used as the carrier, adjust water pH to between 5.0 and 6.5 using Kombind[®].

Foliar-Applied Plant Growth Regulator:

Foliar X-CYTO[®] Plant Growth Regulator

Apply as a broadcast 8 oz./acre at the following times:

- Spring: Just after breaking dormancy.
- After each cutting: 5 to 14 days after harvest or grazing period.

May be applied with Feast foliar fertilizer.

If water is used as the carrier, adjust water pH to between 5.0 and 6.5 using Kombind[®].

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Adjuvants:

Bull's-Eye™ Drift Management/Deposition Aid

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For use in water where reduction of driftable spray particles is desirable or required. For most agricultural applications, use 4 to 12 ounces with each 100 gallons of water. Follow all label instructions carefully prior to and during use. Additional adjuvants such as Rain-Fast and/or Home Run may also be indicated depending on the crop protection chemical.

Complete™ Liquid Ammonium Sulfate/
Drift Retardant Blend

If the crop protection chemical being used calls for the addition of ammonium sulfate (AMS), then Complete™ may be used. Follow label recommendations for rates of AMS required per acre or per 100 gallons of spray. Each gallon of Complete™ contains 3.4 pounds of AMS.

Home Run™ Methylated Soy Adjuvant

Depending on pesticide labels, apply 1 to 2 pints per acre OR 1 to 5 quarts with each 100 gallons of water. Follow pesticide labels carefully for specific use recommendations with crop protection chemicals.

Knock-Out™ Anti-foam Agent/Defoamer
for agricultural use

To prevent or eliminate foam in spray tanks, use at a rate of 1 to 2 ounces per 100 gallons.

Kombind® Compatibility/Buffering/Acidifying Agent

Use as indicated to enhance compatibility of proposed tank mixtures. Also effective in lowering pH of alkaline (water) spray solutions where indicated or desired. Note: pH adjustment of fertilizer solutions is not considered feasible and, therefore, not recommended.

Rain-Fast™ New Technology Wetting Agent

Depending on pesticide labels, apply 3/8 to 3/4 pint (6 to 12 ounces) with each 100 gallons of water. Follow pesticide labels carefully for specific use recommendations with herbicides.

Saturall 85® Concentrated Nonionic Wetting
Agent

Depending on pesticide labels, apply 1/8 to 1/4 pint (2 to 4 ounces) for every 100 gallons of spray solution containing fungicides and insecticides, defoliant, desiccants and foliar nutrients. Follow pesticide labels for rate recommendations with crop protection chemicals.

Wex® Multi-Purpose Wetting Agent

Depending on pesticide labels, apply 10 fluid ounces to every 100 gallons of spray solution containing fungicides and insecticides. A soil amendment (NRA®) application may be made at the rate of 16 to 32 ounces per acre using water as a carrier.

¹ Note: Feast® 3-18-18, 9-18-9 and Feast-XL® 26-0-0-0.5B are supplemental sources of foliar N-P-K for grass hay and pasture crops. The majority of the N-P-K requirement should be supplied by topdressed fertilizer materials, based on a soil test.

* For more detailed application recommendations, refer to the product labels or application guides.