

USE RATES

General Information

GENERAL INFORMATION

Astound, a water conditioning agent (Ammonium Sulfate/Nonionic Surfactant Blend), is a low foam formula for use with pesticides that are labeled for agricultural, forestry, non-cropland, and right-of-way uses. Astound is formulated to meet the surfactant and ammonium sulfate recommendation for many glyphosate, glufosinate, paraquat, and diquat products or other herbicides requiring the addition of nonionic surfactant and ammonium sulfate.

NOT FOR AQUATIC USE.

Limitations, Restrictions, and Exceptions

USE RATES:

Astound should be used at 3 quarts to 10 quarts per 100 gallons of spray solution (0.75% v/v to 2.5% v/v). To select the appropriate rate of

Astound several factors need to be considered.

The use rate of Astound is determined whether you are using a low load, no load or high load surfactant formulation of glyphosate. Other factors include spray solution water quality, stage of weed growth and environmental conditions at the time of application.

1. High load surfactant glyphosate formulations such as Gly-4 Plus.

a. For spray solution water containing 250 ppm or less use 3 quarts to 4 quarts of Astound per 100 gallons of water (0.75% v/v to 1% v/v). For spray solution water containing 500 ppm or less use 4 quarts to 6 quarts of Astound (1% v/v to 1.5% v/v). For spray solution water over 500 ppm use Astound 6 quarts to 10 quarts depending on how extreme water hardness conditions may be.

2. Low load surfactant glyphosate formulations such as Gly-4.

a. For spray solution water 250 ppm or less use 7 to 8 quarts per 100 gallons of Astound (1.75% v/v to 2% v/v). For spray solution over 250 ppm use 8 to 10 quarts of Astound (2% v/v to 2.5% v/v).

3. Glyphosate formulations that are considered no load (that have no surfactant in the formulation) always use 10 quarts per 100 gallons or 2.5% v/v.

4. For extreme weather conditions or advanced stages of weed growth, the highest use rate is recommended for the appropriate glyphosate formulation. These situations include extreme heat, drought or cooler conditions that exist in early spring or late fall.

Other spray assist adjuvants may be added with Astound to the spray mixture. These include deposition, canopy penetration and retention adjuvants such as AirLink or crop oil concentrates that are compatible with glyphosate. Always read and follow label directions on all products.

MIXING INSTRUCTIONS:

IMPORTANT - Add Astound to the spray tank first before adding any other tank mix product, unless the tank mix pesticide(s) or additives direct otherwise.

MIXING ORDER:

1. Fill tank 1/2 full of water and begin agitation.
2. Add the required amount of Astound while agitating.
3. Continue filling spray tank with water and add the tank mix components as directed on the pesticide label(s).

Method

[Spray](#)

Rates

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Timings

[N. A.](#)