

ENCLOAX™

FEATURES AND BENEFITS

Penetrant ■ Water Conditioning Agent
Humectant

- NPE free surfactant.
- Improved glufosinate performance.
- Improved glyphosate performance.

PRINCIPAL FUNCTIONING AGENTS

• Ammonium sulfate, blend of water conditioning agents and proprietary blend of glucamides	46%
• Constituents ineffective as a spray adjuvant	54%
TOTAL	100%

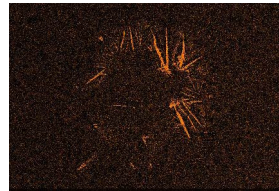
All ingredients are exempt from tolerance requirements under 40 CFR 180.

APPLICATION DIRECTIONS

- Glufosinate Herbicides: 3.5 pt/A
- Glyphosate Products alone, premixed or tank mixed: 1-2.5% v/v or as directed by herbicide label.
- 2.5% v/v delivers the equivalent of 1 qt/100 gal of nonionic surfactant + 8.5 lb/100 gal of ammonium sulfate
- Rates can vary between 1-5 gal/100 gal of spray solution



Electron microscope image of ammonium sulfate crystallized on the leaf surface after an application with a typical APG based nonionic surfactant/ammonium sulfate blend.



Electron microscope image of ammonium sulfate crystallized on the leaf surface after an application containing Encloax.

Note: There is much less crystallized ammonium sulfate.



Encloax™ is a convenient premix of a proprietary NPE-free surfactant, humectant and ammonium sulfate based water condition agent that improves the ability of the spray droplet to enter the plant and maximize pesticide performance.

The proprietary nonionic surfactant and humectant combine to not only improve pesticide coverage and uptake but also maintain ammonium sulfate in a soluble form minimizing salt crystallization on the leaf surface and allowing for maximum ammonium sulfate uptake into the plant.

Ammonium sulfate provides ammonium that combines with glyphosate and other pesticides to improve uptake and translocation. Ammonium sulfate also provides sulfate that combines with salts in the spray solution (calcium, magnesium, iron, sodium, etc.) which prevents them from antagonizing glyphosate and other pesticides.

The primary mode of action of glufosinate is the inhibition of nitrogen metabolism essentially resulting in an accumulation of ammonia and death of plant cells. Minimizing crystallization of ammonium on the leaf surface and increasing the uptake of glufosinate ammonium maximizes glufosinate efficacy.

CROPS



PACKAGE SIZE | 2x2.5 gal | 275 gal

