

RETRIBUTION™

WATER CONDITIONING AGENT, BUFFERING/ACIDIFIER, SURFACTANT

RETRIBUTION™ is a multi-functional adjuvant that consists of a blend of ammonium sulfate, buffering/acidifying agents, and a high-quality surfactant. RETRIBUTION is specifically designed to condition the water, effectively mitigating the harsh effects of hard water that can be antagonistic to the spray mix solution. RETRIBUTION has the additional benefit of lowering the pH due to the buffering/acidification components in the formulation. It also contains an anionic surfactant that has a synergistic effect when added to the spray mix solution, which allows for excellent wetting and spreading of the spray materials across the leaf tissue.

With its unique blend of water conditioning agent, buffering/acidifying agents, and proprietary surfactant, RETRIBUTION increases the uptake of the active ingredients, allowing for a quicker burndown of the targeted weeds. RETRIBUTION was designed for use with specific herbicides, mainly glufosinate formulations, providing the necessary amount of ammonium sulfate as required, while lowering the tank mix solution to the ideal pH for improved weed control.

FEATURES

- Water conditioning
- Buffering - Acidification
- Anionic surfactant

BENEFITS

- Minimizes antagonistic effects of hard water
- Buffers tank mix solution to the ideal pH range for glufosinate
- Increased absorption of the active ingredients into plant tissue
- Uniform spray coverage across leaf tissue
- Consistent performance on tough weed species



PRINCIPAL FUNCTIONING AGENTS

Ammonium sulfate, Citric acid, and Sodium alkyl sulobenzene salt	35.6%
CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANTS:	64.4%
TOTAL	100.0%

One gallon of RETRIBUTION contains 3.33 pounds of ammonium sulfate.

DIRECTIONS FOR USE

Always read and follow the entire pesticide label for proper timing, rates, specific directions, and any special use precautions or regional use recommendations. Use this product in accordance with the instructions found on the pesticide label regarding adjuvants. In the absence of specific instructions, follow the recommendations below which are considered adequate for most uses.

MIXING: Shake well before use. Fill spray tank 2/3 full of water and begin agitation. Add the desired amount of RETRIBUTION, then additional products as directed by label or in the following sequence and continue filling tank: (1) dry flowables or water dispersing granules, (2) wettable powders, (3) liquid flowables, and (4) emulsifiable concentrates.

Continue agitation until spray solution is completely mixed. Continuous agitation of finished spray is recommended. If spray solution has been allowed to stand, thoroughly remix before application. For best results, apply within 24 hours after mixing.

RATE RECOMMENDATIONS: Optimum use rates can be affected by conditions of application such as water hardness, application method, equipment, spray droplet size, spray nozzle selection, or condition or size of foliage. Therefore, carefully observe spray deposition and adjust adjuvant rate accordingly to ensure thorough coverage without excessive runoff.

- **For use with glufosinate:** Use 0.90 gallon (115.2 fl oz) per acre in 15-20 gallons of spray solution.
- **For use with other herbicides or for non-crop burndown:** Use 2.25-6 gallons per 100 gallons of spray solution.

DESIRED AMS IN RETRIBUTION

Desired AMS (lb/A)	Carrier Rate (gal/A)	Product (gal/A)	Product (gal/100 gal spray solution)	AMS delivered (lb/100 gal)
3	15	0.9	6.0	20
3	20	0.9	4.5	15
1.5	15	0.45	3.0	10
1.5	20	0.45	2.25	7.5

Note: If the pesticide manufacturer's label requires a certain percentage (v/v) of surfactant, then include a nonionic surfactant as needed in addition to RETRIBUTION.

For pesticides that permit use of an adjuvant at a higher rate, follow instructions on that pesticide label. Use caution at the higher use rates. When applying to a sensitive crop, first treat a small area to determine if there are any adverse effects to the crop.