

# RINDÉ HERBICIDE TECHNICAL BULLETIN

## Product Formulation

Soluble Liquid (SL) containing

- 1.5 lb ai/gal quinclorac
- 0.12 lb ai/gal bispyribac-sodium

## Mode of Action and Behavior in Plants and Soil

- **Quinclorac** is a quinoline-carboxylate herbicide that controls sensitive broadleaf weeds by acting as an auxin mimic (HRAC group 4). In addition, quinclorac controls key grass weeds through the inhibition of cellulose synthase (HRAC group 29). Quinclorac is a selective, systemic herbicide with uptake through both the roots and foliage.
- **Bispyribac-sodium** is a pyrimidinyl benzoate herbicide that inhibits the acetolactate synthase enzyme (HRAC group 2). Bispyribac-sodium is non-volatile and provides selective, systemic foliar activity.

## Use Rates

- **Rates:** 22-36 fl oz/A
- Maximum cumulative amounts per treated acre per year are 36 fl oz/A per growing season (0.034 lb ai/A bispyribac-sodium + 0.42 lb ai/A quinclorac)

### Rindé Use Rate Equivalency:

Rindé		Quinclorac		Bispyribac-sodium	
(fl oz/A)	lb ai/A	Facet® L fl oz/A	lb ai/A	Regiment® oz/A	
22	0.258	22	0.0206	0.413	
28	0.328	28	0.0263	0.525	
32	0.375	32	0.0300	0.600	
36	0.422	36	0.0338	0.675	

## Crop Stage at Application

- **Dry- or water-seeded rice:** Three leaf to green ring (panicle initiation) stage of growth.



## Weed Stage at Application

Optimal control is achieved when **Rindé** is applied to weeds 4 " in height or less.

## Crop Tolerance

**Rindé** has proven to be safe to rice when applied in a manner consistent with the label.

## Tank Additives

Adjuvants and Nitrogen Source

- Use of an adjuvant from the "Approved Surfactants Bulletin" is required for optimum results.
- UAN/AMS — if the chosen surfactant does not already contain a nitrogen source, the addition of 2% v/v of 28-32% UAN can increase herbicide efficacy.



EPA Reg. No. 5481-685

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## Application Information

- **Ground Application:** Apply at 15 gal/A spray volume with a nozzle type that can deliver sufficient coverage while minimizing drift potential.
- **Aerial Application:** Apply at a minimum of 5 gal/A spray volume.
- If sufficient coverage is not achieved, weed control may be reduced.
- Aerial application is geographically restricted-please check label.
- Buffer the tank mix solution if the pH is above 7.0 or below 6.0.

## Application Timing

- **PRE flood:** Optimum results are obtained when the soil surface area is moist and weeds are actively growing. Allow at least one day after application before establishing the permanent flood. For best results, establish permanent flood 2-7 days after application.
- **POST flood:** Optimum results are obtained when flood water is adjusted so that a minimum of 70% of the weed plant is above the water level at the time of application.

## Tank Mixtures

**Rindé** may be used sequentially or tank mixed with other herbicides registered for use in rice to enhance the spectrum of control and provide a complete weed control program. Tank mix partners must be used in accordance with label restrictions and precautions. Do not exceed label dosage rates from any product in tank mixtures.

- Tank mixes with the active ingredient carfentrazone may result in antagonism of **Rindé**.
- To avoid injury, do **NOT** tank mix **Rindé** with products containing malathion, methyl-parathion or propanil.

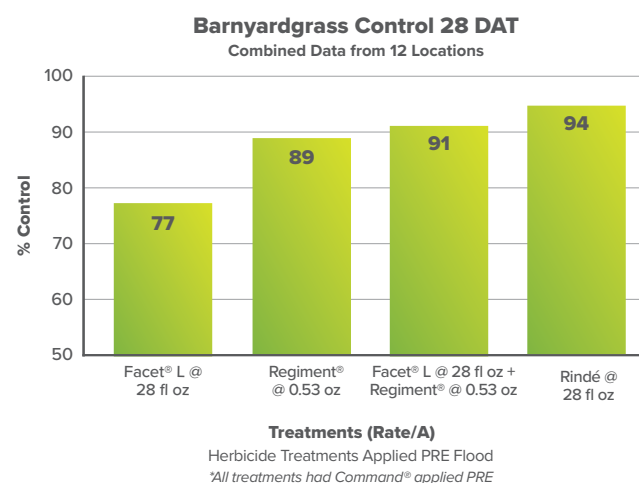
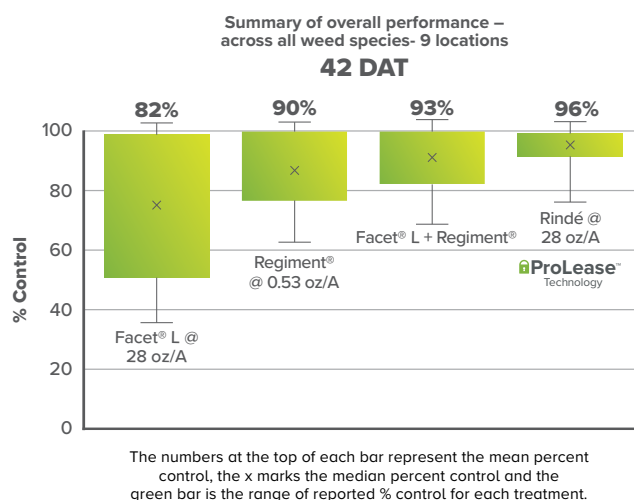
## Herbicide Resistance

- Weed resistance to Group 2 and Group 4 herbicides have been documented in rice growing areas.
- If there is suspected resistance to Group 2 or Group 4 Herbicides, a second effective mode of action herbicide may be needed for each resistant species when applied in mixtures with **Rindé**.

## Crop Rotation Restrictions

- **Immediately:** All rice varieties, spring or winter wheat and grain sorghum.
- **10 months:** All other crops not specifically mentioned.
- **24 months:** Alfalfa, carrots, clover, dry beans, flax, lentils, peas, safflower, Solanaceous crops and sugar beets.

Rindé herbicide, delivered by ProLease technology, delivers consistent performance on key weeds.



See our entire line of products at [AMVAC.com](http://AMVAC.com)

**Rindé Herbicide**