

HERBICIDE



MAKES SENSE.

Parazone[®]

PARAQUAT **3SL HERBICIDE**



Effective and economical alternative to glyphosate for pre-plant burndown of grass and broadleaf weeds.

Burndown

Parazone 3SL is a new formulation of paraquat dichloride from MANA designed to provide fast, effective weed control in a wide variety of crops.

FORMULATION: Parazone 3SL is a 3 lbs. per gallon formulation of paraquat dichloride and is the traditional formulation preferred by growers.

MULTI-CROP: Parazone is registered on over 100 crops, including Alfalfa, Almonds, Corn, Cotton, Wheat, Sorghum, Soybeans and Sugar Beets.

GLYPHOSATE MANAGEMENT: Because of limited volumes and uncertain prices of glyphosate, growers should consider using Parazone for non-selective pre-plant burndown and use their glyphosate in-season for postemergence applications in Roundup Ready crops.

PACKAGING: Parazone is available in 2.5 gallon containers.

WEED CONTROL: Parazone controls a wide spectrum of broadleaf weeds, sedges, and grasses. Speed of activity is fast but may be slowed by cool temperatures or adverse environmental conditions, however overall performance is not impacted.

WEED RESISTANCE: Parazone controls most weeds resistant to glyphosate and provides an alternative mode of action for management of glyphosate resistant weeds.

TANK MIX: Parazone is tank mix compatible with other herbicides to broaden weed spectrum and control larger weeds.

PARAZONE FIELD EFFICACY TRIAL - 2008

Southern Illinois University - Suspected population of glyphosate-resistant waterhemp - 15 days after treatment



Nontreated

0.0%
CONTROL



Roundup WeatherMax
(0.77 lb ae/A)

0.0%
CONTROL



Parazone (0.5 lb ai/A)

97.5%
CONTROL



Parazone (1.0 lb ai/A)

98.5%
CONTROL



Parazone (0.5 lb ai/A)
2, 4-D LV4 (0.95 lb ai/A)

96.8%
CONTROL



Parazone (0.5 lb ai/A)
Clarity (0.25 lb ai/A)

98.0%
CONTROL



Parazone (0.5 lb ai/A)
Galigan (0.125 lb ai/A)

96.8%
CONTROL



Parazone (0.5 lb ai/A)
Galigan (0.25 lb ai/A)

97.5%
CONTROL

GENERAL INSTRUCTIONS AND INFORMATION

MODE OF ACTION: Parazone 3SL must be applied to green plant tissue to be effective, therefore, excellent and complete coverage of all green foliage is necessary for effective weed control and effective leaf drop, desiccation and defoliation.

REPLANTING: Rotational crops may be planted after the last application of Parazone 3SL.

SPRAY ADJUVANTS: It is important to always add a nonionic surfactant (NIS) or crop oil concentrate (COC) with Parazone 3SL.

RAINFASTNESS: Parazone 3SL is rapidly absorbed by plant foliage

and becomes rainfast soon after application. If rain comes 30 minutes or more after application, activity of Parazone 3SL will not be affected.

USE RATE: Parazone rates vary from 0.4 to 2.7 pints per acre, depending on usage pattern and size of weeds.

APPLICATION: Thorough coverage of target weeds is critical for good weed control since Parazone 3SL is a contact herbicide. Use a minimum of 20 gallons per acre for weeds of 6 inches and less. Increase spray volume and pressure as weed size increases.

TANK MIXES: Parazone generally mixes easily with herbicides, insecticides, defoliants and liquid nitrogen.

Parazone is a Restricted Use Pesticide due to acute toxicity, and can only be used by certified applicators — or persons under their direct supervision. Personal protective equipment including long sleeved shirts, long pants, shoes, socks, chemical resistant gloves, protective eyewear and respirators with filter must be used.

QUALITY PRODUCTS. COMPETITIVE PRICES.

MANA makes sense for growers, for channel partners, for agriculture. MANA offers the most comprehensive and diversified portfolio in the crop protection industry with over 50 formulations of insecticides, fungicides, herbicides, PGRs and harvest aids from more than 40 active ingredients. These proven products are efficiently manufactured to the highest standards and value priced to optimize the farm's profitability potential. As the North American arm of the world's seventh largest agrochemical company, MANA provides best-in-class formulations, regulatory capabilities, field research, and a science-based approach to defend and maintain vital active ingredients that other companies have abandoned. Our area business management team throughout the U.S. supports the distributors, retailers, crop consultants and agronomists who are part of the supply chain that farmers and farm managers rely on for localized expertise.

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Crop Protection

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