

# PENDIMETHALIN

## Grass residual herbicide


STOMP® XTRA, RIFLE® 440

**Stomp XTRA: pendimethalin – 455g/L**

**Rifle 440: pendimethalin – 440g/L**

Pre-emergent selective herbicide for control of summer grass, barnyard grasses, crowfoot, Guinea grass and green summer grass.

HERBICIDE SUITABILITY	
SOIL CONDITIONS	Best applied to seedbeds free of weeds, trash and clods. Do not apply where waterlogging is likely. Soil containing high organic matter will result in poor control. Do not apply if OM >6%.
INCORPORATION	Incorporation by 12–25mm of overhead irrigation or rainfall is required within 3 to 5 days. Do not disturb by cultivation for the expected period of control. Mechanically incorporate with finger rakes to a shallow depth if no rainfall or irrigation occurs. Subsequent tillage operations should not exceed incorporation depth.
CROP STAGE	Safe at any crop stage. Apply before weed emergence. Best results on bare soil at any stage from planting to stooling. Can be applied after stooling if incorporation is possible. Ratoon cane should be stool raked to prevent herbicide tie-up.
CULTIVATION AND IRRIGATION	Flood irrigation and cultivation may expose soil and reduce the length of control. Flood irrigation on variable soil types or difficult to wet soils may not adequately incorporate the herbicide.
VARIETY SUSCEPTIBILITY	Safe on all varieties.
WITHHOLDING PERIOD	Not required when used as directed.
RISK TO OTHER CROPS	Avoid drift onto non-target areas/crops.
PLANT BACK PERIOD	Plant back periods exist for certain vegetable crops – refer to label.
ENVIRONMENTAL RISK	Relatively immobile in soil due to binding with clay and organic matter. Dangerous to fish and aquatic life. Do not contaminate streams, rivers or waterways.
HERBICIDE RESISTANCE	Moderate risk (Group D).

STOMP XTRA	
SIGNAL HEADING	<b>WARNING</b>
PICTOGRAM	 <p>Source: Gold label, Chemwatch</p>
HAZARD STATEMENT	<p><b>H302</b> Harmful if swallowed.</p> <p><b>H317</b> May cause an allergic skin reaction.</p> <p><b>H373</b> May cause damage to organs through prolonged or repeated exposure.</p> <p><b>H410</b> Very toxic to aquatic life with long-lasting effects.</p>

STOMP XTRA, RIFLE 440	
FORMULATION	Capsule suspension concentrate (Stomp XTRA), Emulsifiable concentrate (Rifle 440).
WATER QUALITY	Use clean water.
APPLICATION EQUIPMENT	Broadcast or directed spray. Atrazine or diuron tank mixtures should have nozzle screens greater than 50 mesh. Do not apply by aircraft.

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APPLICATION RATES				
PRODUCT	RATE/HA	INDICATIVE COST/HA (GST INCLUSIVE)	WATER RATE L/HA	COMMENTS
<b>STOMP XTRA</b>	2200–3300mL	\$36–\$54	200L	<p>Use high rate where:</p> <ul style="list-style-type: none"> <li>– Longer weed control is required.</li> <li>– Incorporation is delayed longer than 5 days.</li> <li>– High grass pressure exists (eg ground previously sown to pasture).</li> </ul> <p>Use the lower rate plus atrazine or diuron at 1500g ai/ha where broadleaf weed control is required.</p> <p>Alternatively use the lower rate plus 400mL/ha Spark (imazapic) where broadleaf weeds are present.</p> <p>Do not use on heavy clay soils when mixed with atrazine.</p>
<b>RIFLE 440</b>	2250–3400mL			