

METRIBUZIN

Broad-spectrum knockdown and residual herbicide


MENTOR®

Metribuzin – 750g/kg

Selective herbicide for pre-emergence and early post-emergence control of grass and broadleaf weeds. Controls crowfoot grass, summer grass, green summer grass, awnless barnyard grass and many broadleaf weeds and vines – bell vine, convulvulus, star of Bethlehem.

HERBICIDE SUITABILITY	
SOIL CONDITIONS	<p>Best applied to moist soil.</p> <p>Do not apply to hot, dry soil. Ideally, do not apply until soil is well wetted by the first good soil settling rain.</p> <p>Soil must not be cloddy or have excessive crop residue from a preceding crop. Trash blankets must be thoroughly compacted and broken down for best pre-emergent control.</p> <p>Do not apply to plant cane up to 3-leaf stage on very light sandy soil.</p>
INCORPORATION	<p>Incorporation by rain or irrigation from 2 to 7 days after application is necessary for best results. If possible, do not irrigate for 48 hours after application. Light rain (less than 12.5mm) will provide sufficient incorporation.</p> <p>Do not disturb treated surface after application.</p>
TARGET WEED CONDITIONS	<p>Apply to actively growing weeds. Do not spray plants under stress from drought, waterlogging, frost or disease.</p> <p>If weeds are larger than the 2-leaf stage at application, add a suitable contact herbicide.</p>
CROP STAGE	<p>Safe over sugarcane as a pre or early post-emergent spray (up to 3-leaf stage).</p> <p>Two sunny days before spraying enhances crop tolerance.</p> <p>Apply as a directed spray where sugarcane exceeds the 3-leaf stage.</p>
CULTIVATION & IRRIGATION	<p>For early application in conventional plantings, ensure that the drill profile is broadly shaped so that loose soil slippage from the sides will not occur.</p> <p>Do not disturb treated soil surface after application. Flood irrigation and cultivation may expose untreated soil and allow escapes.</p>
VARIETY SUSCEPTIBILITY	<p>No varieties tested to date have shown crop effects likely to limit yield. Generally, only negligible colour effects can be detected, if at all, and the effect is very short-term. Nil effects from directed sprays.</p> <p>Refer to QCANESelect™ or the regional variety guides for variety sensitivity information.</p>
WITHHOLDING PERIOD	<p>Do not harvest for 21 weeks after application.</p>
RISK TO OTHER CROPS	<p>Avoid drift onto non-target areas/crops.</p>
PLANT BACK PERIOD	<p>Do not plant susceptible crops such as brassicas, capsicums, cotton, cucurbits, lettuce or sunflowers within 12 months of application.</p>
ENVIRONMENTAL RISK	<p>PSII herbicide.</p> <p>Application should be planned to avoid run-off within 48 hours of application. Application should not be made to wet/waterlogged soils.</p> <p>Do not irrigate crop to the point of run-off unless it can be retained on-farm.</p> <p>Do not apply within 30m of a downwind waterway for all ground spray applications without droppers.</p> <p>Do not apply within 75m of downwind non-target vegetation for all ground spray applications without droppers.</p>
HERBICIDE RESISTANCE	<p>Moderate risk (Group C).</p>

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MENTOR	
SIGNAL HEADING	WARNING
PICTOGRAM	
HAZARD STATEMENT	<p>H302 Harmful if swallowed.</p> <p>H320 Causes eye irritation.</p> <p>H410 Very toxic to aquatic life with long-lasting effects.</p>

MENTOR	
FORMULATION	Water dispersible granule.
WATER QUALITY	Use clean water. Do not allow spray mix to stand overnight.
APPLICATION EQUIPMENT	Broadcast application up to early post-emergent crop stage. Directed spray over established sugarcane. Do not apply by aircraft. Use directed spray equipment (Irvin legs, droppers, etc) for drift management. Apply with medium to coarse spray droplets.

APPLICATION RATES				
PRODUCT	RATE/HA	INDICATIVE COST/HA (GST INCLUSIVE)	WATER RATE L/HA	COMMENTS
MENTOR	Plant cane to 3-leaf stage 640–2000g	\$31–\$97	250L minimum	<p>Provides residual weed control for 4 to 12 weeks or more depending on rate and soil type. Use the higher rates where heavy weed pressure exists, or in heavier soils, or where longer term control is required.</p> <p>Can be used alone or in mixtures with other residual herbicides. Control of difficult species can be improved in tank mixtures.</p> <p>Local factors such as soil type, precipitation, weed spectrum, trash cover, etc will influence the longevity of residual effect.</p> <p>Add a suitable contact herbicide if weeds present are larger than 2-leaf stage.</p> <p>Do not use on plant cane up to 3-leaf stage on very light sandy soil.</p> <p>Do not apply more than 2kg/ha per season.</p>
	Plant cane final hilling until "out of hand". Ratoon cane after harvest until "out of hand". 800–2000g	\$39–\$97		
	Plant and ratoon cane after canopy closure. 640–1000g	\$31–\$49		