

AMICARBAZONE

Broad-spectrum early post-emergent and residual herbicide


AmiTron®

Amicarbazone – 700g/kg

Early post-emergent and residual control of grass, broadleaf weeds and some sedges.

HERBICIDE SUITABILITY	
SOIL/WEATHER CONDITIONS	<p>Lighter textured soils Use lower rates. Ensure at least 75mm soil cover over setts. Prevent slippage of treated soil into plant furrow.</p> <p>Very sandy soils (>90% sand) Do not use.</p>
INCORPORATION	<p>Amicarbazone is UV stable. Activated with minimal rainfall (2 to 5mm). Moves readily through trash. If possible apply a light initial irrigation to incorporate the herbicide (to avoid risk of losses in subsequent heavy irrigation or rainfall).</p>
TARGET WEED CONDITIONS	<p>Emerged weeds should ideally be no more than 6-leaf stage.</p>
CROP STAGE	<p>For plant cane, apply within 5 days of planting to avoid risk of crop injury or apply after cane is 30cm high using a directed spray. For ratoons, apply just after cane shoot emergence. Add paraquat if crop is 4 to 5-leaf stage or more. Alternatively, apply after cane is 30cm high with directed spray. For furrow irrigated situations, consider band spraying over the beds to minimize risk of movement into cane root zone.</p>
CULTIVATION AND IRRIGATION	<p>Do not irrigate within 48 hours after application. Manage irrigation to avoid run-off. If possible apply a light initial irrigation to incorporate the herbicide. In furrow irrigated systems, consider early application to avoid later heavy water flows.</p>
VARIETY SUSCEPTIBILITY	<p>Avoid contact with cane leaves – mild foliar uptake will show as slight yellowing of cane leaves. Cane usually grows out of symptoms after 1 to 3 weeks. Foliar effect is worsened if wetting agents are used. Uptake by cane roots will show more severe symptoms including stunting. Refer to Qcane select or consult regional variety guide</p>
RISK TO OTHER CROPS	<p>Do not cut cane for stockfeed and do not graze stock for 21 weeks after application. Export slaughter Interval of 3 days is required for export stock.</p>
PLANT BACK PERIOD	<p>Do not apply within 24 months of planting crops other than sugarcane.</p>
ENVIRONMENTAL RISK	<p>PSII herbicide. No-spray time intervals apply to the Mackay/Whitsunday and Mary/Burnett regions: Do not apply during October, November or December (Refer to Appendix 2). Do not apply on slope steeper than 3% in the Mackay/Whitsunday region. Do not apply when wind speed is less than 3 or more than 20km per hour. Do not apply during surface temperature inversion conditions. Do not apply if there are sensitive vegetation, protected native vegetation or protected animal habitat within 10metres downwind. Do not apply if there are aquatic and wetland areas within 30metres downwind. Very toxic to aquatic life.</p>
HERBICIDE RESISTANCE	<p>Moderate risk (Group C).</p>

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AmiTron	
SIGNAL HEADING	WARNING
PICTOGRAM	
HAZARD STATEMENT	May form combustible dust concentrations in air H302+H332 Harmful if swallowed or if inhaled. H320 Causes eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life.
FORMULATION	Water dispersible granule.
WATER QUALITY	Use clean water.
APPLICATION EQUIPMENT	Broadcast when cane is spiking and up to the 4 to 5-leaf stage. Directed spray when cane is stooling (30cm plus). Banded spray over the row spike to 4 to 5-leaf stage. Do not apply by aircraft. Ensure spray droplet spectrum (Spray Quality) is at least MEDIUM.

APPLICATION RATES				
PRODUCT	RATE/HA	INDICATIVE COST/HA (GST INCLUSIVE)	WATER RATE L/HA	COMMENTS
AmiTron 700 WG	500–1000g + 200mL/100L non-ionic surfactant (600 g/L) when used as early post-emergent (low rate)	\$36–\$72	200L minimum (ground application)	For early post-emergence weed control and pre-emergence residual control. Use higher rates for more advanced weeds (up to 6-leaf stage) and/or longer residual control (up to 10–14 weeks). Where shading of cane leaves prevents contact with the soil surface or small weeds, droppers with wide angle nozzle tips and/or leaf lifters should be used to provide complete soil coverage.