AmiTron® is a unique UV stable broad-spectrum herbicide for sugarcane with both pre-emergent and post-emergent activity against grass, broadleaf weeds and some sedges. It is especially effective against vine weeds.

### UV stable

### Activated by minimal rainfall

### Moves through cane trash blanket

### Residual control

Because AmiTron does not readily breakdown in sunlight, is activated by minimal rainfall, and can move through cane trash mulch, it is an excellent weed control tool for all cane districts.

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**Product** | AmiTron®
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**Active** | amicarbazone
**Formulation** | wettable granule (700g ai/kg)
**Chemical Group** | Group C1 (Triazolinone)
**Mode of action** | Inhibition of photosynthesis – Photosystem II
**Weeds** | Vines, grasses, most common broadleaf weeds, some sedges
**Registered Crops** | Sugarcane (plant and ratoon)
**Rates** | 0.5 – 1 kg/ha
**Application volume** | minimum 200 L/ha
**Droplet sizes** | minimum MEDIUM category
**Adjuvants** | wetters enhance knockdown
**Cane Trash** | will move through cane trash mulch layer with rain / irrigation
**Incorporation** | UV light stable
Immediate incorporation not necessary
**Withholding periods** | Grazing – 21 weeks
Harvest – not required
ESI – 3 days (see label)
**Buffer zones (min. distances downwind)** | non-target crops etc: 10 m
aquatic areas: 30 m
**Activation** | 2–5 mm rainfall or irrigation
**Soil texture** | DO NOT use on sandy soils (>90% sand content)
**Soil cover in plant cane** | minimum 75 mm above sett
(more in light soils)
**Crop rotation** | DO NOT use within 24 months prior to planting any crop other than sugarcane

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### USE IN FURROW IRRIGATED CANE

**Banded sprays**
(on row mound) in furrow irrigated cane e.g. Burdekin.

As soon as row mound shaping is finalised in furrow irrigation systems, AmiTron is suitable for pre-emergent applications as banded sprays over the row.

**Broadcast or banded sprays in ratoons immediately after harvest.**

Early banded application over row mounds can keep vine and grass infestations out of the row without risk of crop damage.

**Directed sprays in plant cane or ratoon cane (up to canopy closure).**

**Late high-clearance sprays in ratoons or plant cane (after canopy closure) to control vine weeds.**

AmiTron is not suited to very early stage plant cane applications to open drills unless soil type and soil cover conditions are compliant with label recommendations. Flood irrigation down open drills may cause crop damage in light soils or if soil cover over root systems is too little.
RATE SELECTION – PRE-EMERGENT & EARLY POST-EMERGENT

Higher rates give longer periods of control. Higher rates may be necessary on heavier soil types. Problem weeds may need higher rates or tank mixtures.

<table>
<thead>
<tr>
<th>Rates</th>
<th>Weed control period *</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 g/ha</td>
<td>short term e.g. up to 4–6 weeks</td>
<td>Broadcast early</td>
</tr>
<tr>
<td>800 g/ha</td>
<td>medium term e.g. 6–8 weeks</td>
<td>Directed early, Directed late (prior to canopy closure), Directed very late (after canopy closure)</td>
</tr>
<tr>
<td>1 kg/ha</td>
<td>long term e.g. 8 weeks or longer</td>
<td></td>
</tr>
</tbody>
</table>

*guidelines only - residual period varies with soil type

RATE SELECTION – POST-EMERGENT

<table>
<thead>
<tr>
<th>Rates</th>
<th>Weed stage at Application</th>
<th>Weeds controlled #</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 g/ha</td>
<td>Up to 4 leaf</td>
<td>Most label species if at small stages. Add wetter for better post-emergent effect.</td>
</tr>
<tr>
<td>800 g/ha</td>
<td>Up to 6 leaf</td>
<td>Larger label grass weeds may need paraquat or glufosinate to assist knockdown.</td>
</tr>
<tr>
<td>1 kg/ha</td>
<td>Up to 6 leaf</td>
<td>Up to flowering for some</td>
</tr>
</tbody>
</table>

#guidelines only - see label for recommendations for each species

CROP SAFETY

AmiTron is tolerated very well by sugarcane when used as per label instructions. Read label carefully to avoid risk.

How to avoid risk of crop damage

SELECT APPROPRIATE RATES FOR SOIL TYPES AND CROP STAGE
- Use lower rates to reduce risk on lighter soils. Do NOT use on very sandy soils (>90% sand).
- For broadcast sprays over top of cane (<8 leaf stage) – Use rates 0.5–0.8 kg/ha only. Refer to label.

CHECK PLANTING DRILL SHAPE AND SOIL COVER FOR PLANT CANE (early stages)
- Make sure soil cover over sett is adequate. At least 75 mm, more on light soils.
- Ensure a wide open-profile drill to prevent slippage of treated soil over top of sett.

REDUCE LEAF SPRAY CONTACT IN PLANT AND RATOON CANE (advanced stages > 8 leaf)
- Use directed sprays with low throw nozzles, leaf lifters, directed nozzle configurations (e.g. Irvin legs etc) as appropriate to achieve good coverage of weeds and soil but avoid crop foliage.

CHECK SHOOT HEIGHT IN EARLY BROADCAST APPLICATIONS IN RATOON CANE (immediately after harvest)
- Apply before or just after shoot emergence with this use pattern. Add paraquat if shoots are advanced beyond about 4–5 leaf stage to reduce leaf uptake.

FURROW IRRIGATION
- Consider use of banded sprays directed only over the top of row mounds in furrow irrigated situations blocks so that heavy water flow in the inter-row does not push active ingredient to the crop root zone or to non-target sites.

Tank mixtures and compatibilities

Wider activity spectrum, longer control and reduced risk of crop effects can all be achieved with smart choices in tank mixes. There are advantages in mixing products with similar UV stability (i.e. isoxaflutole and imazapic).

Products that have been tank mixed with AmiTron and safely applied on sugarcane crops include ametryn, diuron, metribuzin, pendimethalin, imazapic, isoxaflutole, 2,4-D amine, diuron+hexazinone, paraquat, glufosinate, isoxaflutole+glufosinate, isoxaflutole+paraquat, imazapic+paraquat.

Note that imazapic+glufosinate is not a recommended tank mix option for use with AmiTron because of the risk of enhanced imazapic foliar uptake into crop plants. Severe crop stunting and discoloration may occur with this mix.