

**MAURITIUS SUGARCANE INDUSTRY RESEARCH INSTITUTE**

**RECOMMENDATION SHEET**

No. 186, December 2013

**Herbicide Arsenal Gen 2<sup>®</sup> for longer lasting weed control on sugarcane field roads and in non-crop lands**

Weed management on sugarcane field roads and in non-crop lands is achieved by regular applications of herbicide treatments, often consisting of glyphosate alone or tank-mixed with diuron to provide a residual activity following the knock-down effect. However, these regular interventions may not be practical and economically viable as they require constant monitoring and more resources.

Arsenal Gen 2<sup>®</sup>, containing 240 g of imazapyr per litre and formulated as a soluble liquid (SL), is a systemic and non-selective herbicide used for the pre- and post-emergence control of a broad range of weeds. It controls plant growth by preventing the synthesis of branched-chain amino acids. Arsenal Gen 2<sup>®</sup> has been evaluated with the objective of providing a longer weed control on sugarcane field roads and in non-crop lands.

Trials have revealed Arsenal Gen 2<sup>®</sup> (imazapyr) to be very effective on a large spectrum of weeds including some tough grass species like *Cynodon dactylon*, *Panicum maximum* and *Chloris barbata*. As from 0.75 kg a.i./ha, Arsenal Gen 2<sup>®</sup> may provide a residual activity exceeding 16 weeks. Arsenal Gen 2<sup>®</sup> is being recommended for weed management on sugarcane field roads and in non-crop lands as follows:

Herbicide	Dosage rate		Remarks
	L per hectare	L per arpent	
Arsenal Gen 2 <sup>®</sup>	3.0 – 4.5	1.25 - 2.0	Higher rates to be used where tough weeds like <i>Cynodon dactylon</i> are present and a longer residual activity is required.

Your attention is drawn that the guideline and/or advice is restricted for the purpose for which it is recommended only.

MCIA Board shall not be responsible for any act that may arise outside the purview of these guidelines.

**Mauritius Sugarcane Industry Research Institute (MSIRI)**

**Mauritius Cane Industry Authority**

**Réduit**

**Mauritius**



(230) 454 1061



(230) 454 1971



contact@msiri.mu



http://www.msiri.mu