



# MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE

## Recommendation Sheet

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### Diclosulam (Strongarm), an alternative herbicide for the control of broad-leaved weeds in sugar cane

Atrazine has been used for the past 40 years as a pre-emergence herbicide for the control of broad-leaved weeds in sugar cane. As this product is being banned in many European countries, and since many cases of resistance to this herbicide have been reported, MSIRI has evaluated diclosulam as an alternative to atrazine.

The new herbicide diclosulam, commercialized under the trade name **Strongarm**, is now recommended for use in plant and ratoon canes, as alternative to atrazine in both pre- and post-emergence treatments.

**Strongarm** is formulated as a 84% water-dispersible granule (WG) and acts as a protein inhibitor (ALS inhibitor).

Trials in which **Strongarm** and atrazine were compared have shown that **Strongarm**:

- is more effective for the control of broad-leaved weeds
- has a relatively longer residual activity
- can replace it effectively in all tank-mixes
- is well tolerated by sugar cane at the recommended rates.

#### Recommendation

**Strongarm @ 0.07 – 0.09 kg / ha [0.03 – 0.04 kg / arp]**

*tank-mixed with one of the following grass herbicides at the recommended rates*

**Goal, Tebusan, Harness, Falcon Gold or Velpar**

➤ The higher rate should be used where a longer residual activity is required.

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