



# MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE

## Recommendation Sheet

February 2003, No. 135

### Artificial ripening of sugar cane

*Fusilade Super* and *Fusilade Forte* which contain *fluazifop-butyl* as the active ingredient, but at different concentrations, are both recommended for use as cane ripeners.

In order to obtain the best response, the following recommendations need to be strictly adhered to when preparing the spraying mixture.

#### Recommendations

Expected yield (TCH)	Amount of product ha <sup>-1</sup>		Volume of water ha <sup>-1</sup>
	<i>Fusilade Super</i> (12.5 %)	<i>Fusilade Forte</i> (15 %)	
50-75	320 ml (40 g a.i.)	270 ml (40 g a.i.)	40 L
75-100	400 ml (50 g a.i.)	335 ml (50 g a.i.)	
>100 or last ratoons	480 ml (60 g a.i.)	400 ml (60 g a.i.)	

Recommended anti-drift agent:

**Mist Control** (Polyvinyl polymer 20 g L<sup>-1</sup>) at 3 ml L<sup>-1</sup> of spray solution

Note :

1. Ripener should be applied to a cane plantation of at least 9 months old; for younger cane, advice should be sought from MSIRI
2. Fields to be treated should **NOT** be under moisture stress.
3. Irrigation should be maintained after treatment of irrigated fields.
4. Response of sugar cane varieties:  
M 3035/66, M 695/69, M 1176/77, M 1551/80, R 575: positive and consistent  
R 570: positive if sprayed up to July, erratic thereafter.  
M 52/78: Poor
5. No adverse effects of either ripener have been observed on the subsequent ratoon.
6. Canes to be treated should be free from pests and diseases, in active growth and with a minimum of **seven** green leaves per stalk.

\* This recommendation sheet cancels No 102 of April 1997

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