



# MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE

Recommendation Sheet No 75\*  
(February 1994)

## NEW HERBICIDES FOR SUGAR CANE

Two new herbicides, PERFLAN (tebuthiuron) and BASTA (glufosinate ammonium) are now recommended for use in sugar cane. The former is a wide spectrum residual chemical, whereas the latter is a contact/translocated product, which is rapidly degraded in the soil.

### **PERFLAN**

This product has up to now been evaluated only in pre-emergence of weeds. Post-emergence trials will follow soon. It is presently formulated as an 80% active ingredient (a.i.) wettable powder. It can be used in plant cane (just after planting) and after harvest either in selectively cut cane or before emergence of shoots where stubble-shaving has been practised.

In order to enhance its efficacy, Perflan is recommended in mixtures with either DCMU, in tolerant cane varieties, or atrazine, in susceptible ones such as R 570 and M 555/60.

The following treatments are recommended in pre-emergence of weeds :-

<i>In tolerant cane varieties Perflan + DCMU</i>	<i>@ 2.0 kg + 2.4 L / ha</i>	<i>0.85 kg + 1 L / arp</i>
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OR

<i>In susceptible cane varieties Perflan + atrazine</i>	<i>@ 2.0 kg + 4.0 L / ha</i>	<i>0.85 + 1.7 L / arp</i>
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### **BASTA**

This chemical is derived from natural organisms and is environment-friendly. It is active on a wide spectrum of weeds and is presently formulated as a 20% a.i. liquid. Its evaluation in absence and in pre-emergence of cane is well advanced, but as it is fairly phytotoxic to sugar cane it is recommended only at planting time, until further information is obtained.

The following treatment is recommended in pre-emergence of cane and post-emergence of weeds :

<b>Basta @ 600 ml/ha (250 ml/arp) mixed with the chosen pre-emergence herbicide.</b>
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\* This Recommendation Sheet supplements No 49 of December 1988