



# MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE

## Recommendation Sheet

May 2011, No. 179\*

### SUGAR CANE VARIETIES RECOMMENDED FOR PLANTING IN DIFFERENT SOIL TYPES

Variety/ Soil type	Latosolic Brown Forest B1 / B2	Humic Ferruginous Latosols F1 / F2	Humic Latosols H1 / H2	Low Humic Latosols L1	Low Humic Latosols L2	Latosolic Reddish Prairie P1 / P2 / P3
M 3035/66 (G,r)	✓	✓	✓			
M 695/69 (L,S,Y)			✓		✓	
M 1176/77 (Y)				✓	✓	✓
M 52/78 (S)	✓	✓	✓		✓	
M 261/78 (Y)				✓	✓	✓
M 96/82 (Y)				✓	✓	✓
M 1246/84 (Y)			✓	✓	✓	✓
M 387/85 (S)	✓					
M 1186/86 (S,Y)			✓	✓	✓	✓
M 1394/86	✓	✓	✓			
M 1400/86 (Y)	✓	✓	✓	✓	✓	✓
M 2024/88 (S) (i)				✓	✓	✓
M 2256/88 (L)	✓	✓	✓	✓	✓	✓
M 703/89 (p) (Y)			✓	✓	✓	
M 1861/89 (p)	✓	✓	✓			
M 2238/89	✓					
M 1672/90 (Y) (p)				✓	✓	✓
M 2593/92 (Y) (i)			✓	✓	✓	✓
R 570 (Y)			✓	✓	✓	✓
R 573 (Y)			✓	✓	✓	✓
R 575 (L)			✓	✓	✓	✓
R 579 (G,Y)			✓		✓	

Shaded areas with a ✓ indicate soil type where a variety can be planted

- N.B.** - M 52/78 and R 579 to be planted under irrigation in areas receiving  $\leq 2000$  mm rainfall.  
 - R 575 to be planted under irrigation in areas receiving  $\leq 1500$  mm rainfall.  
 - M 703/89 to be planted in H soils with  $< 2500$  mm rainfall and under irrigation in L soils.  
 - M 2593/92 to be planted in H soils with  $< 2500$  mm rainfall  
 - In the humid and superhumid areas, all short-season planting should be completed before end of August.

Letters following a variety number are explained below:

- G Susceptible to gumming and not recommended in areas where cane is prone to the disease.
- L Susceptible to leaf scald. Planting material should originate from nurseries established with cuttings having undergone a cold soak in running water for 48 hours, followed by a long hot water treatment at 50°C for 3 hours.
- R Susceptible to rust.
- S Susceptible to smut. Planting material for H, L and P soils should originate from nurseries established with cuttings having undergone a dual hot water treatment.
- Y Susceptible to yellow spot which is prevalent in the superhumid zone.
- i To be planted under irrigated conditions.
- p Provisional recommendations for recently released varieties.
- r Recommended only in specific areas of the superhumid and humid zones as given in Recommendation Sheet No. 73 of April 1993.

Your attention is drawn that the guideline and/or advice is restricted for the purpose for which it is recommended only. MSIRI Board shall not be responsible for any act that may arise out outside the purview of these guidelines.

\* This Recommendation Sheet cancels No. 167 of May 2010

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454 1061



<http://www.msiri.mu>



[contact@msiri.mu](mailto:contact@msiri.mu)