

**MAURITIUS SUGARCANE INDUSTRY RESEARCH INSTITUTE**

**RECOMMENDATION SHEET**

No. 188\*, July 2014

**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 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 (Y) (i)			✓	✓	✓	
M 1861/89	✓	✓	✓			
M 2238/89	✓					
M 1672/90 (Y)				✓	✓	✓
M 2593/92 (Y, R) (i)			✓	✓	✓	✓
M 1989/99 (Y) (p)				✓	✓	✓
R 570 (Y)			✓	✓	✓	✓
R 573 (Y)			✓	✓	✓	✓
R 575 (L) (i)			✓	✓	✓	✓
R 579 (G,Y) (i)			✓		✓	

Shaded areas with a ✓ indicate soil type where a variety can be planted. Varieties requiring specific conditions are listed below:

- M 52/78 and R 579 to be planted under irrigation in areas receiving  $\leq 2000$  mm rainfall annually.
- R 575 to be planted under irrigation in areas receiving  $\leq 1500$  mm rainfall annually.
- M 703/89 to be planted in H soils with  $< 2500$  mm rainfall annually and under irrigation in L soils.
- M 2593/92 to be planted in H soils with  $< 2500$  mm rainfall annually.

In the humid and superhumid areas, short-season plantation should be completed before end of August.

Letters in brackets following a variety number are explained below:

- G Susceptible to gumming and not recommended in areas where sugar cane is prone to the disease.
- L Susceptible to leaf scald. Planting material should originate from nurseries established with cuttings having undergone the dual hot water treatment 50°C for 30 minutes followed by 50°C for 2 hours or 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 for variety M 1989/99 recommended for intermediate zone (1500-2500 mm rainfall annually).
- 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 to the fact that these guidelines and/or advices are restricted to the purpose for which they are recommended only. MCIA Board shall not be responsible for any act that may arise outside the purview of these guidelines and advices.

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