



MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE

Recommendation Sheet

February 2006, No. 154*

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 1557/70 (L,Y)			✓	✓	✓	✓
M 1176/77 (Y)				✓	✓	✓
M 52/78 (S)	✓	✓	✓		✓	
M 261/78 (Y)				✓	✓	✓
M 1551/80 (R,S)				✓	✓	✓
M 96/82 (Y)				✓	✓	✓
M 1300/83		✓	✓			
M 1246/84 (Y)			✓	✓	✓	✓
M 387/85 (S)	✓					
M 1186/86 (p) (S,Y)			✓	✓	✓	✓
M 1394/86	✓	✓	✓			
M 1400/86 (p)	✓	✓	✓	✓	✓	✓
M 2024/88 (p) (S) (i)				✓	✓	✓
M 2256/88 (p)	✓	✓	✓	✓	✓	✓
M 703/89 (p)	✓	✓	✓			
M 1861/89 (p)	✓	✓	✓			
M 2238/89 (p)	✓					
M 2593/92 (p) (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 ≤ 2000 mm rainfall.
 - M 1551/80 and R 575 to be planted under irrigation in areas receiving ≤ 1500 mm rainfall.
 - M 1186/86 and M 2024/88 have been found to be highly susceptible to smut in disease resistance trials.
 No significant infection has been observed in commercial fields.
 - 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 should not be planted 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 and should be planted only in low-lying regions.
- i To be planted under irrigated conditions.
- p Provisional recommendations for recently released varieties.
- r Should be planted only in specific areas of the superhumid and humid zones as given in Recommendation Sheet No. 73 of April 1993.

* This Recommendation Sheet cancels No. 145 of February 2005

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