

RECOMMENDATION SHEET No.190*, November 2016

Sugarcane varieties recommended for planting in different soil types

| VARIETY | SOIL TYPE | | | | | |
|--------------------------|------------------------|----------------------------|----------------|--------------------|--------------------|---------------------------|
| | Latosolic Brown Forest | Humic Ferruginous Latosols | Humic Latosols | Low Humic Latosols | Low Humic Latosols | Latosolic Reddish Prairie |
| | B1 / B2 | F1 / F2 | H1 / H2 | L1 | L2 | 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 2283/98 (Y) (p) | | | | | | |
| M 683/99 (L, Y) (p) | | | | | | |
| M 1989/99 (Y) | | | | | | |
| M 2502/99 (Y, S) (i) (p) | | | | | | |
| M 1392/00 (Y) (p) | | | | | | |
| M 1002/02 (Y) (p) | | | | | | |
| M 915/05 (p) | | | | | | |
| R 570 (Y) | | | | | | |
| R 573 (Y) | | | | | | |
| R 575 (L) (i) | | | | | | |
| R 579 (G,Y) (i) | | | | | | |

Shaded areas 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 ≤ 2000 mm rainfall annually.
- R 575 to be planted under irrigation in areas receiving ≤ 1500 mm rainfall annually.
- M 703/89 recommended for plantation in H soils receiving < 2500 mm rainfall annually and under irrigation in L soils.
- M 2593/92 recommended for plantation in H soils receiving < 2500 mm rainfall annually.

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

Letters in brackets following the name of a variety are explained below:

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|---|---|---|---|
| G | Susceptible to gumming and not recommended in areas where cane is prone to the disease. | Y | Susceptible to yellow spot. |
| L | Susceptible to leaf scald. Planting material should originate from nurseries established with cuttings having undergone the dual hot water treatment at 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. | i | To be planted under irrigated conditions. |
| R | Susceptible to rust. | p | Provisional: (a) variety M 2283/98 is recommended for the super-humid zone, (b) variety M 683/99 is recommended for the L and P soils, (c) variety M 2502/99 is recommended for the B and F soils of the humid zone and the P irrigated soils and (d) M 1392/00 is recommended for the B and F soils of the humid zone and the L and P soils. |
| 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. | 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, MCI Board shall not be responsible for any act that may arise outside the purview of these guidelines or advices.

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