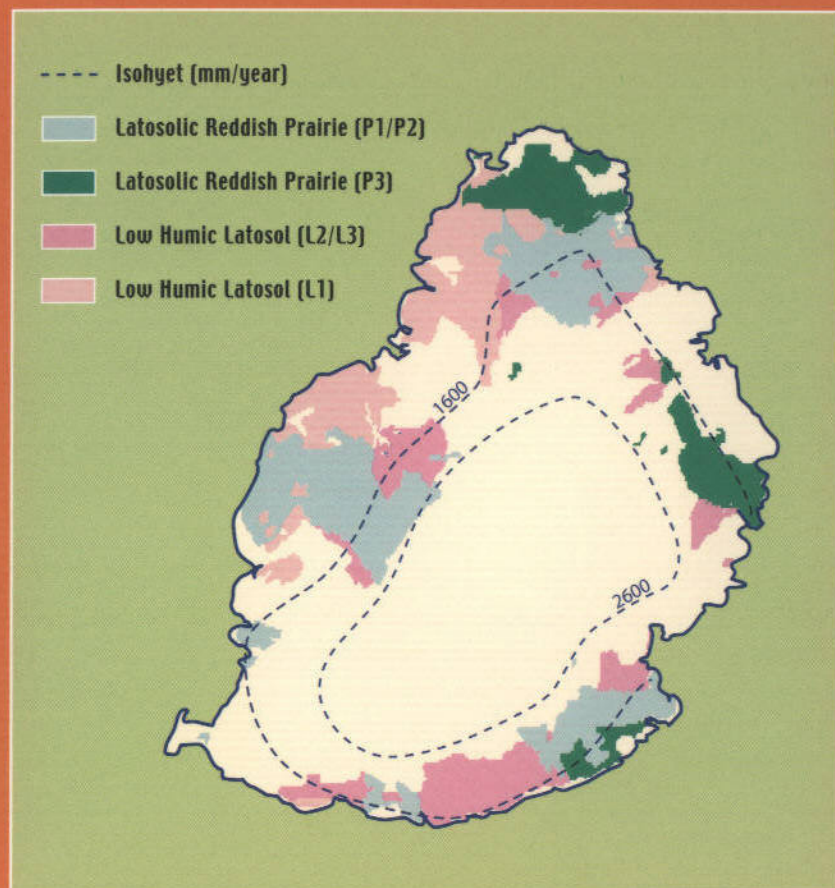


REGIONS

Where M 2593/92 can be cultivated (provisional)*



Provisional harvest period*



* (refer to the current MSIRI Recommendation Sheets)

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MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE
Notes on newly-released sugar cane varieties

NO. 13 - JANUARY 2006

M 2593/92
 (M 555/60 x Polycross)



A high-yielding variety
 with above average sucrose
 content released in 2006
 for early and middle/late
 harvest for the subhumid zone



GENERAL features

- Growth habit → semi-erect
- Tillering → fairly high
- Stalk number → fairly high
- Stalk height → fairly tall
- Stalk diameter → medium to fairly small
- Trashing → fairly easy
- Flowering → low
- Germination → excellent
- Ratooning ability → good
- Ground coverage → fairly good

DISEASE reaction

- Resistant to gumming, smut and leaf scald
- Highly susceptible to yellow spot

M 2593/92

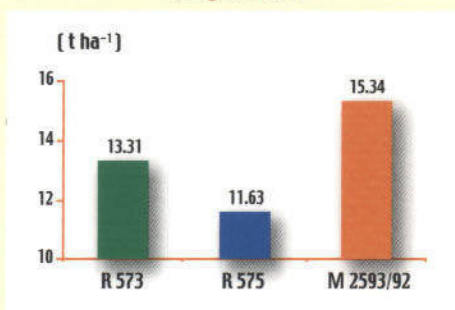
INTERNODES

- Greenish yellow with a purplish tinge when freshly trashed, yellowish green with a pink tinge when exposed to sunlight
- Fairly long
- Medium to fairly small diameter
- Cylindrical, slightly zig-zagging
- Waxy
- Two to three rows of root primordia
- Fairly large and slightly bulging, creamy-green growth ring
- Bud groove absent
- Few deep growth cracks



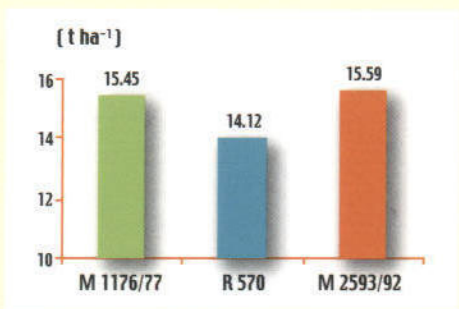
RESULTS from trials (Sugar yield)

Early harvest



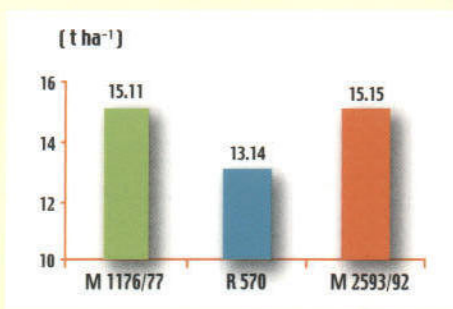
Site: Médine – Soil: L1 Irrigated
Rainfall: 1200 mm – Altitude: 70 m
Mean (Plant cane + 1st ratoon)

Middle harvest



Site: Médine – Soil: P1 Irrigated
Rainfall: 1000 mm – Altitude: 50 m
Mean (Plant cane + 3 ratoons)

Late harvest



Site: Médine – Soil: L1 Irrigated
Rainfall: 1200 mm – Altitude: 70 m
Mean (Plant cane + 1st ratoon)

LEAVES

- Medium width
- Hairy leaf sheath
- Auricles :
 - Inner : dentoid
 - Outer : sloping transitional
- Dewlaps : squarish deltoid and olive green with brown tinge



BUDS

- Medium size with narrow flanges widening towards top third of bud
- Rectangular shape
- Inserted level with leaf scar and ending flush with growth ring

Note: Keys for botanical descriptions, refer to:
“Sugarcane Varieties in Mauritius - A Botanical Description”
MSIRI (1990), 94 p, 37 pls.

