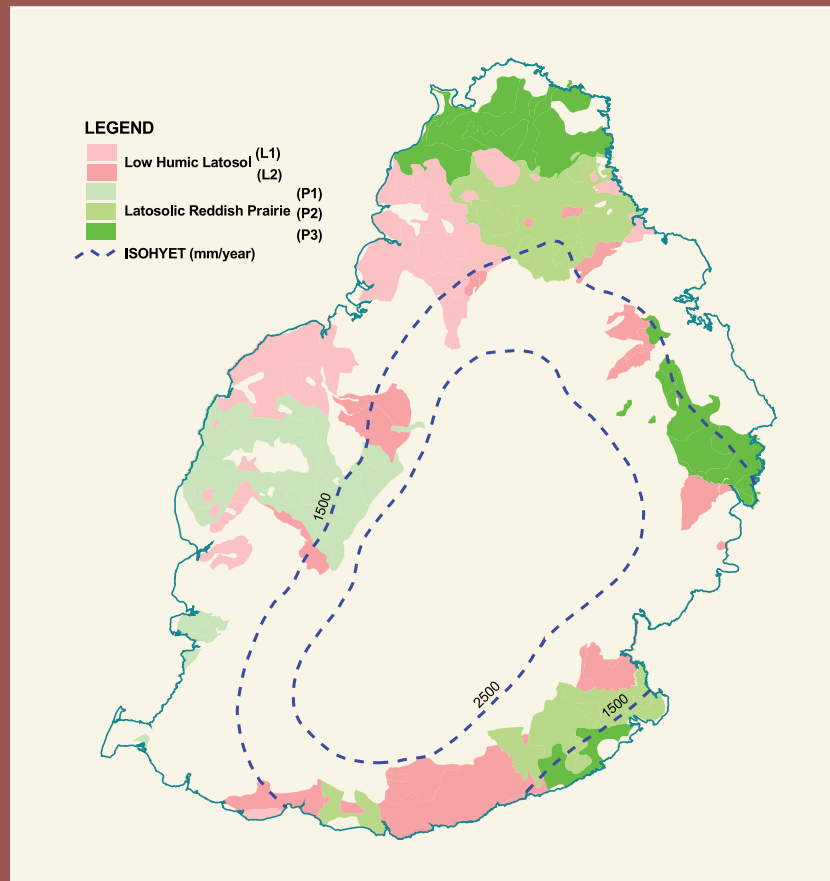


REGIONS where M 1002/02 can be cultivated (provisional)*



Provisional harvest period*



* (refer to the current MSIRI Recommendation Sheets)

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MAURITIUS CANE INDUSTRY AUTHORITY
MAURITIUS SUGARCANE INDUSTRY RESEARCH INSTITUTE
Notes on newly-released sugarcane varieties



No. 20
December 2016

M 1002/02



A high-yielding variety with fairly high sucrose content and high profitability for the L and P soils of the humid and sub-humid zones. Suitable for middle-season and late-season harvests. Year of release: 2016

STREAK DESIGNS



GENERAL features

- Growth habit → fairly erect
- Tillering → medium
- Stalk number → medium
- Stalk height → fairly tall
- Stalk diameter → medium to fairly large
- Trashing → fairly difficult
- Flowering → average
- Germination → average
- Ratooning ability → good
- Ground coverage → good

DISEASE reaction

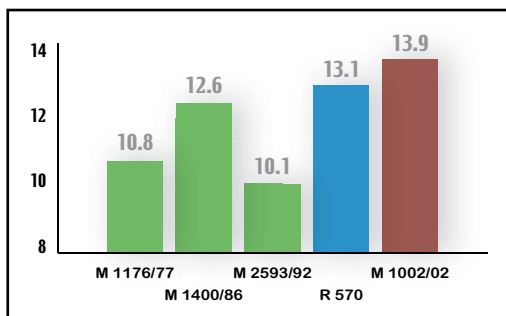
- Resistant to gumming, leaf scald, smut and rust
- Highly susceptible to yellow spot

M 1002/02

RESULTS from trials

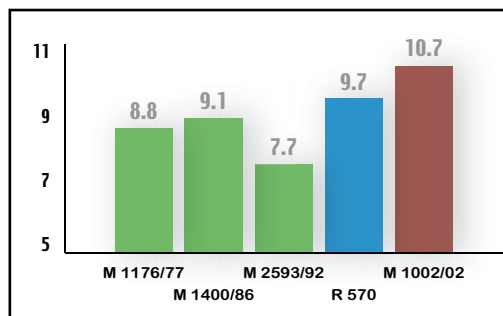
Mean sugar yield (tha⁻¹) at mid-season and late-season harvests

Mean of plant cane and 2 ratoons



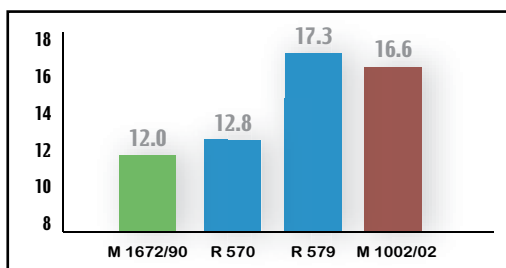
Belle Vue - L2 soil (Irrigated)
Rainfall: 1400 mm - Altitude: 90 m

Mean of plant cane and 3 ratoons



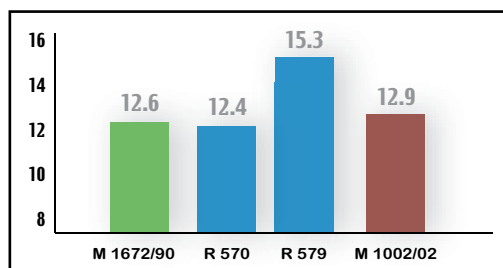
Union Vale - P2 soil (Rainfed)
Rainfall: 1700 mm - Altitude: 70 m

Mean of 2 ratoons



Medine - L1 soil (Irrigated)
Rainfall: 800 mm - Altitude: 180 m

Mean of plant cane and 2 ratoons



Savannah - L2 soil (Irrigated)
Rainfall: 1400 mm - Altitude: 40 m

INTERNODES

- Purplish green when freshly trashed, greenish yellow when exposed to sunlight
- Medium to fairly long
- Medium to fairly large diameter
- Cylindrical
- Medium waxiness
- Two rows of root primordia
- Slightly bulging, yellowish green growth ring
- Bud groove present close to bud
- Growth cracks common

LEAVES

- Leaf blade erect of medium length and width
- Leaf sheath slightly hairy
- Auricles:
 - Inner: ascending transitional
 - Outer: deltoid very short
- Dewlaps: squarish deltoid
- Ligule: broad crescent

BUDS

- Narrow ovate with wings broadening towards apex
- Level with leaf scar and ending flush or inside growth ring

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