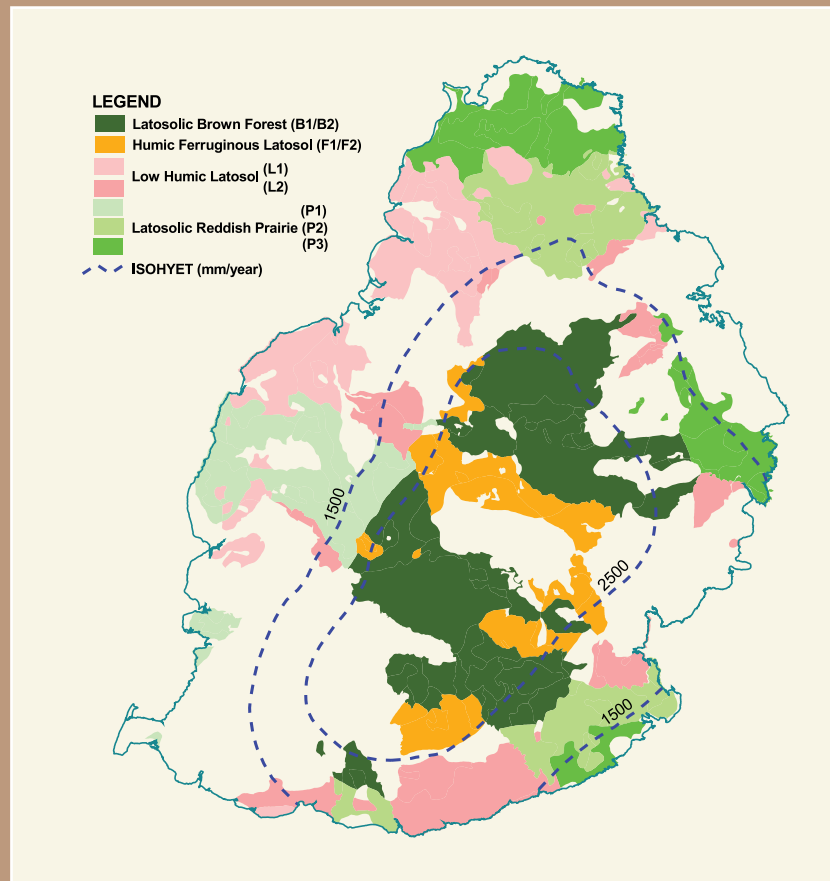
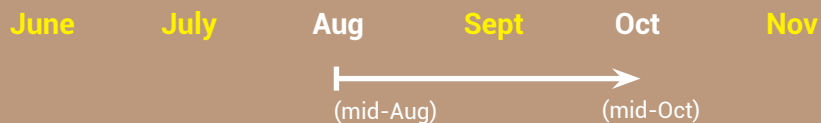


REGIONS where M 915/05 can be cultivated (provisional)*



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. 21
December 2016

M 915/05



A very high cane and sugar yielding variety, with fairly high sucrose content and high profitability adapted to all soil types and agro-climatic zones.

Suitable for middle-season harvest.

Year of release: 2016



STREAK DESIGNS

GENERAL features

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

DISEASE reaction

- Resistant to gumming and smut
- Slightly susceptible to yellow spot

M 915/05

INTERNODES

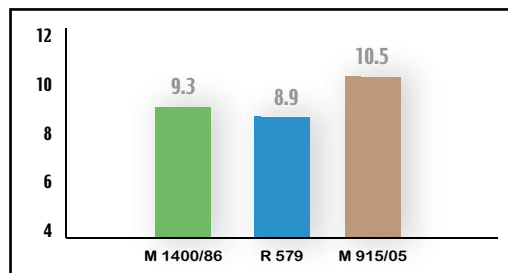
- Purplish green when freshly trashed, purple when exposed to sunlight
- Medium to fairly long
- Medium to fairly large diameter
- Bobbin-shaped
- Medium waxiness
- Two rows of root primordia
- Bulging yellowish green growth ring turning purple when exposed
- Shallow bud groove extending whole length of internode
- Growth cracks absent



RESULTS from trials

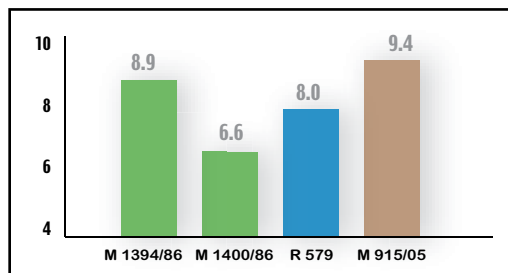
Mean sugar yield (tha⁻¹) at mid-season harvest

Mean of plant cane and 2 ratoons



Savannah - B1 soil

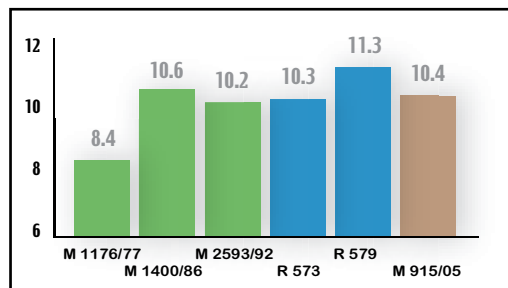
Rainfall: 2700 mm - Altitude: 260 m



Highlands - F1 soil

Rainfall: 3200 mm - Altitude: 470 m

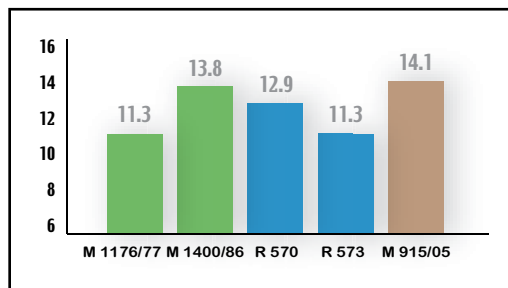
Mean of 2 ratoons



Savannah - L2 soil (Irrigated)

Rainfall: 1400 mm - Altitude: 40 m

Mean of plant cane and 2 ratoons



Belle Vue - P2 soil (Rainfed)

Rainfall: 1300 mm - Altitude: 70 m

LEAVES

- Leaf blade recumbent of medium length and fairly narrow
- Leaf sheath moderately hairy
- Auricles:
 - Inner: short lanceolate
 - Outer: ascending transitional
- Dewlaps: squarish deltoid
- Ligule: crescent with lozenge, asymmetrical



BUDS

- Round with flanges widening towards upper half of bud
- 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.