

Information Sheet

Variety N50

Introduction.

Recommended for wide range of soils in hinterland and midlands regions for harvesting older than 18 months.

Best features.

Very high cane yields. Hardy variety that has performed well under range of yield potential conditions. Good RV yields achieved on sandy soils. Early and late season variety. Very high stalk population. Good ratooning ability. Good resistance to mosaic.

Limiting features

Not recommended for the annual harvesting on the coast due to very low RV content. Sensitive to hot water treatment. Severe sour rot has been observed in the midlands during dry periods. Not suitable for frost pockets in midlands. Susceptible to smut. Not suited to cooler, south or east facing slopes in Midlands. Avoid harvesting just before winter as stool mortality has been observed and ratooning can be negatively impacted.

Yield & quality_



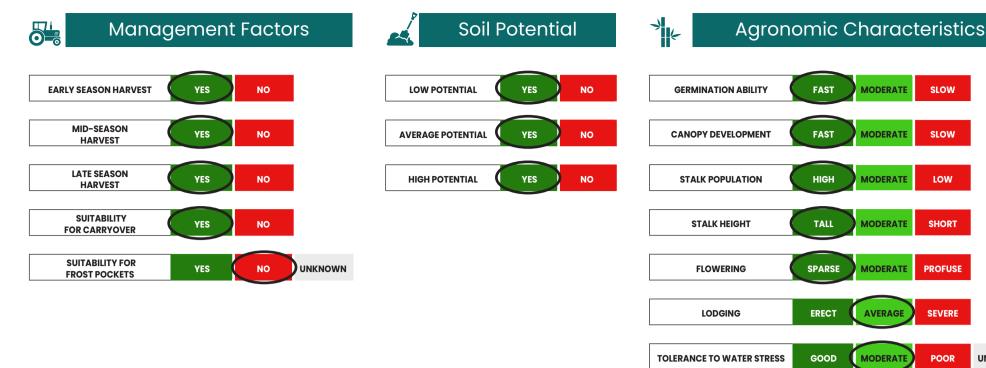
The performance of a variety will vary under different conditions and levels of management. For refined yield and quality information, please consult the SASRI Variety Guide at www.sasri.org.za/varietyguide, where you will be able to rank this variety against others of your choice based on your specific area, irrigation regime, cutting cycle, soil potential and time of harvest.

Sass

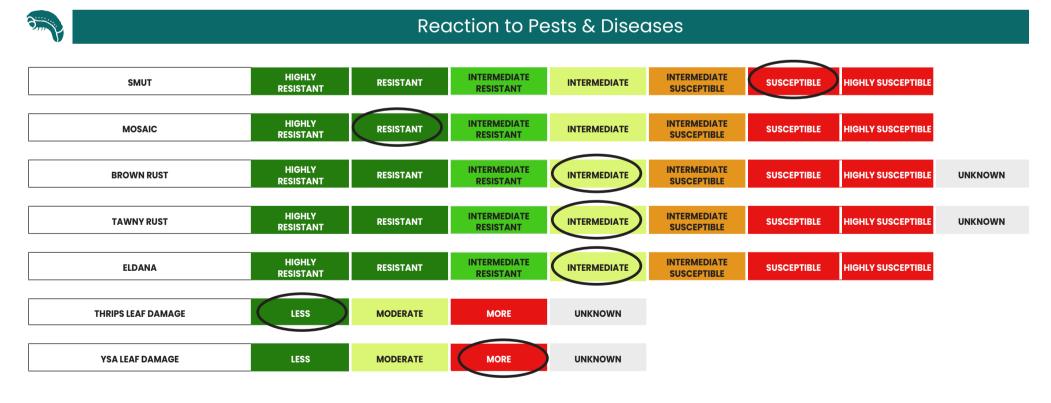


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Varietal Traits N50



GOOD UNKNOWN **TOLERANCE TO WATER LOGGING** MODERATE Response to Ripeners HIGHLY RECOMMENDED NOT RECOMMENDED ETHEPHON (and generics) **RECOMMENDED** UNKNOWN NOT RECOMMENDED **FUSILADE** (and generics) RECOMMENDED UNKNOWN HIGHLY RECOMMENDED NOT RECOMMENDED **COMBO ETHEPHON + FUSILADE RECOMMENDED** UNKNOWN (and generics) RECOMMENDED MODDUS UNKNOWN COMBO MODDUS + FUSILADE UNKNOWN RECOMMENDED (and generics)







UNKNOWN

N50 Identification Guide

Habit and General Appearance

Intermediate to high stalk population; good canopy; average thickness of stalks.

Leaf

Blade: Narrow to medium width at longitudinal midpoint; arched; small chlorotic

blotches present on mid-rib; hairs present.

Sheath: Weak adherence to the stalk; green sheath, becoming darker on exposure;

occasional pink flushes; sometimes red sheath with red blotches present;

overlaying wax-coating of sheath; occasionally fine hairs present.

Collar: Medium to wide; purplish-green.

Auricle: Large, lanceolate auricle (fairly long and thin) on underlapping leaf; outer

auricle is small and indistinct.

Stalk

Internode

Appearance: Tumescent (barrel-shaped); absent to very weak zig-zag stalk

alignment; creamy green internodes; cracks sometimes present;

extremely waxy (wax overlay) on stalk.

Wax band: Fairly indistinct, not clearly defined.

Bud furrow: Present

Node

Growth ring: Protrudes slightly but is indistinct in older internodes.

Root band: Indistinct; more than 2 rows of root primordia.

Sheath scar: Present

Bud: Small ovate buds (slightly pointed at tip of bud);

younger buds are pinkish-red (looks similar to N12).

Flange: Hairs present on flange; medium; wraps almost all

round the bud.



January 2024