

Introduction.

Recommended for moderate to high potential conditions in coastal and hinterland regions.

Best features.

High cane and RV yields on the heavier soils. Currently recommended for a longer cutting cycle but yields have been good on an annual harvesting cycle too.

Limiting features.

Early lodging has been observed. Intermediate susceptible to smut. Smut is being observed in this variety on the coast. Field hygiene is important to minimise disease.

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.



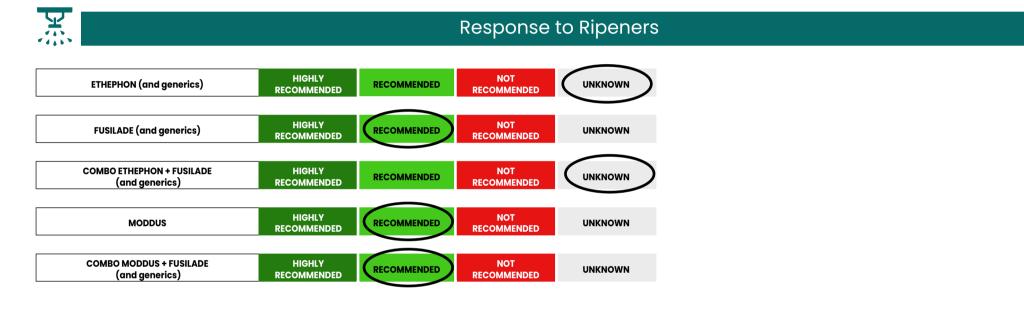






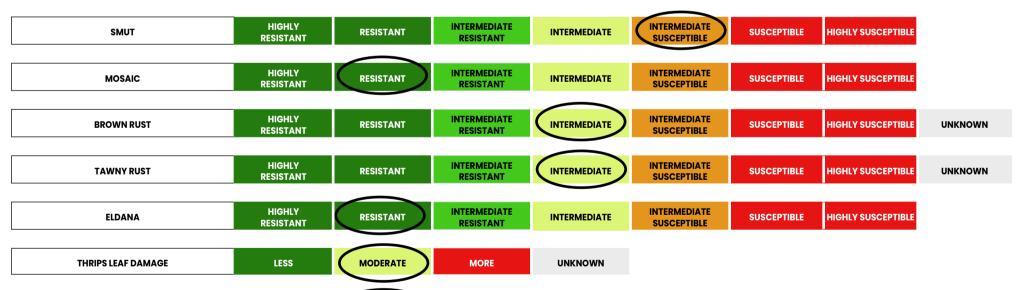
Varietal Traits

Management Factors	Soil Potential	Agronomic Characteristics
EARLY SEASON HARVEST YES NO	LOW POTENTIAL YES NO	GERMINATION ABILITY FAST MODERATE SLOW
MID-SEASON HARVEST YES NO	AVERAGE POTENTIAL YES NO	CANOPY DEVELOPMENT FAST MODERATE SLOW
LATE SEASON HARVEST YES NO	HIGH POTENTIAL YES NO	STALK POPULATION HIGH MODERATE LOW
SUITABILITY FOR CARRYOVER YES NO		STALK HEIGHT TALL MODERATE SHORT
SUITABILITY FOR FROST POCKETS YES NO UNKNOWN		FLOWERING SPARSE MODERATE PROFUSE
		LODGING ERECT AVERAGE SEVERE
		TOLERANCE TO WATER STRESS GOOD MODERATE POOR UNKNOWN
		TOLERANCE TO WATER LOGGING GOOD MODERATE POOR UNKNOWN





Reaction to Pests & Diseases











N59 Identification Guide

Habit and General Appearance.

N59 is an average population variety with medium to thick stalks, with an erect growing habit. It has a good canopy with erect leaves (some bend near tip) of medium width. The crop residue is adhering strongly.

Leaf

Blade: Medium width, green; midrib is same colour as blade.

Sheath: Green sheath with brown edges, red blotches sometimes present. No hairs.

Collar: Very distinctive, brown.

Auricle: Underlapping - broad, lanceolate, sometimes broken off. Overlapping - small, triangular.

Stalk

Internode

Appearance: The internodes are long and slightly bobbin-shaped. They are yellowgreen in colour and darker green on exposure.

Wax band:	Medium width, not well defined.

Bud furrow: None.

Node

Growth ring:Darker green on youner internodes, yellow on older
internodes; raised.Root band:Medium to wide; lighter colour than stalk; 3-4 rows of
root primordia.Sheath scar:Untidy.Bud:Round and small; touch the growth ring.Flange:Present; large, top half of bud.





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