



Information Sheet

Variety N58

Introduction

Recommended for planting in coastal and hinterland regions under moderate to low potential growing conditions and harvested on a long cutting cycle.

Best features

High cane and RV yields. Very hardy variety that has shown good performance across wide range of soil types compared with other varieties. Good variety for low potential soils in carry over situations. High stalk population with thin stalks. Initial observations are that thrips will cause mild damage to this variety. While Ethephon and Fusilade Forte and their generics are recommended as suitable chemical ripeners for N58, the combination treatment is highly recommended for this variety.

Limiting features

Can be prone to lodging. Yield is not as good when harvested annually on the Coast. Has not performed well in Midlands. Brown rust observed in Mistbelt areas and in the Midlands region. Does not perform well in the Midlands. Smut has been observed in this variety on the South Coast. Flowering may be profuse in this variety.

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.



Management Factors

EARLY SEASON HARVEST	YES	NO	
MID-SEASON HARVEST	YES	NO	
LATE SEASON HARVEST	YES	NO	
SUITABILITY FOR CARRYOVER	YES	NO	
SUITABILITY FOR FROST POCKETS	YES	NO	UNKNOWN



Soil Potential

LOW POTENTIAL	YES	NO
AVERAGE POTENTIAL	YES	NO
HIGH POTENTIAL	YES	NO



Agronomic Characteristics

GERMINATION ABILITY	FAST	MODERATE	SLOW	
CANOPY DEVELOPMENT	FAST	MODERATE	SLOW	
STALK POPULATION	HIGH	MODERATE	LOW	
STALK HEIGHT	TALL	MODERATE	SHORT	
FLOWERING	SPARSE	MODERATE	PROFUSE	
LODGING	ERECT	AVERAGE	SEVERE	
TOLERANCE TO WATER STRESS	GOOD	MODERATE	POOR	UNKNOWN
TOLERANCE TO WATER LOGGING	GOOD	MODERATE	POOR	UNKNOWN



Response to Ripeners

ETHEPHON (and generics)	HIGHLY RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	UNKNOWN
FUSILADE (and generics)	HIGHLY RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	UNKNOWN
COMBO ETHEPHON + FUSILADE (and generics)	HIGHLY RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	UNKNOWN
MODDUS	HIGHLY RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	UNKNOWN
COMBO MODDUS + FUSILADE (and generics)	HIGHLY RECOMMENDED	RECOMMENDED	NOT RECOMMENDED	UNKNOWN



Reaction to Pests & Diseases

SMUT	HIGHLY RESISTANT	RESISTANT	INTERMEDIATE RESISTANT	INTERMEDIATE	INTERMEDIATE SUSCEPTIBLE	SUSCEPTIBLE	HIGHLY SUSCEPTIBLE	
MOSAIC	HIGHLY RESISTANT	RESISTANT	INTERMEDIATE RESISTANT	INTERMEDIATE	INTERMEDIATE SUSCEPTIBLE	SUSCEPTIBLE	HIGHLY SUSCEPTIBLE	
BROWN RUST	HIGHLY RESISTANT	RESISTANT	INTERMEDIATE RESISTANT	INTERMEDIATE	INTERMEDIATE SUSCEPTIBLE	SUSCEPTIBLE	HIGHLY SUSCEPTIBLE	UNKNOWN
TAWNY RUST	HIGHLY RESISTANT	RESISTANT	INTERMEDIATE RESISTANT	INTERMEDIATE	INTERMEDIATE SUSCEPTIBLE	SUSCEPTIBLE	HIGHLY SUSCEPTIBLE	UNKNOWN
ELDANA	HIGHLY RESISTANT	RESISTANT	INTERMEDIATE RESISTANT	INTERMEDIATE	INTERMEDIATE SUSCEPTIBLE	SUSCEPTIBLE	HIGHLY SUSCEPTIBLE	
THRIPS LEAF DAMAGE	LESS	MODERATE	MORE	UNKNOWN				
YSA LEAF DAMAGE	LESS	MODERATE	MORE	UNKNOWN				



Milling Characteristics

FIBRE CONTENT	VERY LOW	LOW	LOW TO MOD	MODERATE	MOD TO HIGH	HIGH	VERY HIGH
COLOUR	VERY LOW	LOW	ACCEPTABLE	HIGH	VERY HIGH		
PROCESSABILITY	VERY GOOD	GOOD	ACCEPTABLE	POOR	VERY POOR	UNKNOWN	

N58 Identification Guide

Habit and General Appearance

N58 is a high population variety with medium to thick stalks, with an erect growing habit. It has a good canopy with fairly erect leaves (some bend near tip) of medium width. The crop residue is abundant and adhering very strongly.

Leaf

Blade: Medium width, dark green; chlorotic blotches are sometimes present, mainly on the midrib.

Sheath: Green sheath with distinctive purple patches and edges. No hairs.

Collar: Medium, dark green.

Auricle: Underlapping – short, lanceolate. Overlapping – small, deltoid.

Stalk

Internode

Appearance: The internodes are long and cylindrical. They are yellow-green in colour and purple on exposure. The stalk can have a slight zigzag alignment.

Wax band: Narrow, not well defined.

Bud furrow: Slight; more pronounced with older internodes.

Node

Growth ring: Yellow green, raised.

Root band: Medium to wide; lighter colour than stalk; 3 rows of root primordia.

Sheath scar: Untidy.

Bud: Small, round with a tuft of hair at the apex; touch the growth ring.

Flange: Present, large – top half of bud.



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