



Information Sheet

Variety N52

Introduction

Recommended for hinterland and midlands regions on a wide range of soils on a longer cutting cycle (older than 18 months).

Best features

Very good RV yields have been achieved on sandy soils in hinterland and midlands regions. This variety has very high cane yield. Able to withstand short periods of drought conditions. Initial observations are that thrips will cause mild damage in this variety.

Limiting features

Very low sucrose and poor quality mean that this variety should not be harvested younger than 18 months. Higher harvesting and transport costs due to very high cane yield. Lodging can be problem, especially under good growing conditions. During severe and extended drought conditions sour rot can negatively effect quality and cane yield. Plant crop germination and establishment can be variable and uneven.

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	

N52 Identification Guide

Habit and General Appearance

N52 is a high population variety with medium to thin stalks, with an erect growth habit. This variety has a good canopy, with erect, light-green leaves. Brown spot sometimes present.

Leaf

Blade: Medium to wide leaves with bent tips. Chlorotic blotching often present on both the blade and midrib. Overlapping leaf: very indistinct, broad.

Sheath: Yellow-green with an abundance of long, spiky hairs. The crop residue is fairly clingy.

Collar: Medium width, yellow-green (similar to sheath).

Auricle: Underlapping leaf: short, broad and deltoid (triangular).

Stalk

Internode

Appearance: Long internodes of thin to medium thickness. The stalks are yellow-green; dark-green and purple-red on exposure. A zigzag alignment is often present.

Wax band: Narrow to medium, distinct.

Bud furrow: Present, very pronounced in older stalks.

Node

Growth ring: Green to yellow-green, slightly raised.

Root band: Narrow, yellow-green, three rows of root primordia.

Sheath scar: Pronounced.

Bud: Medium, round, with pointed tip.

Flange: Present, arises at the top half of the bud.



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