



Information Sheet

Variety N64

Introduction

Recommended for planting in the coastal region under medium to high potential conditions and harvested on a short cutting cycle (12 – 15 months).

Best features

Good elongation. Initial observations suggest that thrips will cause mild damage in this variety. Performs best on high potential soils along the coast.

Other features

Performance has not been impressive along the coast. Intermediate resistance to smut and mosaic. Prone to lodging.

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

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	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	RECOMMENDED	UNKNOWN

Reaction to 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	
COLOUR	VERY LOW	LOW	ACCEPTABLE	HIGH	VERY HIGH		
PROCESSABILITY	VERY GOOD	GOOD	ACCEPTABLE	POOR	VERY POOR	UNKNOWN	

N64 Identification Guide

Habit and General Appearance

Upright growth structure; good canopy; average stalk diameter

Leaf

Blade: Narrow in width; erect and spiky; yellow markings on the midrib

Sheath: Loose adherence to the stalk; slight presence of wax; purple-brownish in colour; very short fine hairs present but not profuse

Collar: Distinct and purple in colour; different colour from the rest of the stalk; medium size

Auricle: No auricle

Stalk

Internode

Appearance: Medium to long internodes with cylindrical shape; moderate internodes are moderately staggered (moderate zig-zag alignment); purple colour; occasional presence of cracks.

Wax band: Very narrow but distinct; not heavily waxy

Bud furrow: Very slight bud furrow present

Node

Growth ring: Narrow root band; purple lighter in colour than rest of the stalk

Root band: Primordia are slightly raised; purple in colour with dark purple

Sheath scar: Distinct; relatively wide

Bud: Conical; small

Flange: Small and not very distinct



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