



Information Sheet

Variety N48

Introduction

Recommended for planting in the hinterland and midlands regions under a wide range of soil conditions and harvest ages (preferably older than 15 months).

Best features

Very high RV yields achieved in the hinterland and midlands regions on both sandy and humic soils. Suitable for valley bottoms and wetter areas. Performs well on lower slopes on the better, sandy soils. Also suited to frost pockets in the midlands. Ripener recommended if harvesting on short cutting cycle due to low RV content. Not recommended for coastal regions on an annual harvesting cycle. Low stalk population with thick, heavy stalks. Ratooning ability is good, except through thick crop residue blanket. Very quick germination and canopy closure

Limiting features

Performance on the coast on an annual harvesting cycle has been poor. Plant with caution as high levels of smut and eldana have been observed in the midlands region. Cosmetic pokkah boeng is common in summer. Brittle stalks. Do not age beyond 22 months. Does not ratoon well through a thick crop residue blanket and if stools are driven over, especially when wet.

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	

N48 Identification Guide

Habit and General Appearance

Low stalk population, thick stalks; slightly open growth habit; tendency to lodge when cane yield is high.

Leaf

Blade: Medium to broad width of leaf blade at the longitudinal mid-point; erect leaves; tends towards having a big canopy; flat ligule

Sheath: Medium adherence to the stalk; coarse hairs present on the sheath; green sheath with purple markings

Collar: Medium to broad collar; dark green; waxy

Auricle: Inner auricle is broad; medium to long and quite pointed; outer auricle is short and broad

Stalk

Internode

Appearance: Obconoidal (narrow at the bottom of the internode near the bud, wider at the top of the internode); very weak zig-zag alignment of the stalk; cracks sometimes present on older internodes; yellow-green in colour

Wax band: Narrow, fairly distinct wax band

Bud furrow: Distinct; only extends half way up the internode

Node

Growth ring: Raised; distinct

Root band: Yellow; darker yellow on older nodes; more than 2 rows of primordia

Sheath scar: Protrudes; untidy; quite distinct

Bud: Triangular-pointed bud; extends well beyond the growth ring

Flange: Distinct; extends almost all round the bud



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