



Information Sheet

Variety N37

Introduction

Recommended for good growing conditions and humic soils in the hinterland and midlands regions. This variety should not be aged over 20 months due to susceptibility to eldana and quality deterioration with age.

Best features

Better yield performance under favourable growing conditions and on humic soils in the hinterland and midlands regions. Quick germination and canopy closure in plant and ratoon crops. Good payloads achieved due to high stalk population with high sucrose content. Initial observations are that thrips will cause mild damage in this variety.

Limiting features

Do not age beyond 20 months due to susceptibility to eldana and quality deterioration with age. Very susceptible to eldana. Moderate to severe brown rust observed in cooler areas. Initial observations are that this variety is susceptible to YSA.

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	

N37 Identification Guide

Habit and General Appearance

Stalk population is high, and the stalks are medium to thin in diameter. The growth habit is erect. The canopy is dense and fairly light coloured, with erect leaves of medium to narrow width.

Leaf

Blade: Medium to narrow; erect; often with bent leaf tips.

Sheath: Yellow-green with some wax bloom. Usually no hairs present. The trash is fairly difficult to remove.

Collar: medium width, green-yellow, sometimes with purple.

Auricle: Small to medium.

Stalk

Internode

Appearance: Medium in length and fairly thin. Often there are corky patches present. Light yellow in colour, becoming yellow-green on exposure.

Wax band: Medium width; fairly distinct.

Bud furrow: None

Node

Growth ring: Medium to broad in width; protruding slightly; light green-yellow.

Root band: Medium to narrow in width; light green-yellow in colour. Normally there are two rows of root primordia.

Sheath scar: Protrudes slightly below the bud.

Bud: Small; round; arises at the sheath scar, but some times there can be a small space between the bud and the sheath scar.

Flange: Narrow; arises towards the top of the bud. Normally just reaches the growth ring.



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