



Information Sheet

Variety N31

Introduction

Recommended for low potential and sandy soils in hinterland and midlands regions harvested older than 16 months. Not recommended for coastal production, even when aged.

Best features

Good yields on marginal and low potential soils (sands, NGS Ordinary, Dwyka) in hinterland and midlands regions harvested older than 16 months. Not recommended for coastal production, even when aged. Good performance during drought however ratoon regrowth after drought has been poor in general. While Ethephon and Fusilade Forte and their generics are recommended as suitable chemical ripeners for N31, the combination treatment is highly recommended for this variety.

Limiting features

Poor performance on the coastal, irrespective of harvest age. Purities are very low when harvested younger than 16 months. Do not age beyond 20 months in the Midlands, due to eldana susceptibility. Sour rot in dry conditions. Ratoon regrowth after drought has been poor in general.

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	

N31 Identification Guide

Habit and General Appearance

A tall variety that has a high population of thin, greenish stalks with a slightly open growing habit.

Leaf

Blade: Medium to narrow in width. Can be light green to green in colour, sometimes with chlorotic blotches present on the midrib. Colour of the midrib is often yellowish on the underside, while the top appears very white or in distinct contrast to the rest of the blade.

Sheath: Many hairs present, greenish-yellow in colour. Older sheaths often have reddish and brown blotches. Trash can be removed easily.

Collar: Narrow to medium, brownish-purple.

Auricle: None

Stalk

Internode

Appearance: Thin, yellowish-green in colour with sooty black patches and, where not covered by the trash, green. Corky blotches sometimes present. Internodes are fairly long and often slightly staggered.

Wax band: Narrow, fairly distinct.

Bud furrow: Usually absent.

Node

Growth ring: Greenish, turning to yellow on older internodes. Protrudes slightly.

Root band: Width medium to narrow, yellowish in colour.

Sheath scar: slanting, otherwise neat.

Bud: Small, can be slightly longer than broad.

Flange: Width medium to narrow, normally arising from the middle of the bud, sometimes with small ear-like flaps. The flange usually just reaches the growth ring.



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