



Information Sheet

Variety N16

Introduction

Recommended for planting on humic soils in the Hinterland and Midlands regions harvested on a longer cutting cycle.

Best features

Suitable for humic and red soils. Good payloads due to high population and erect stalks. While this variety can be planted in frost pockets, it is generally outperformed by other varieties. Initial observations are that thrips will cause mild damage in this variety.

Limiting features

Poor yields on shallow, sandy and waterlogged soils. Does not perform well under stressed conditions. Severe infestations of tawny and brown rust observed on this variety. 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	

N16 Identification Guide

Habit and General Appearance

An erect cane, similar in many respects to NCo376.

Leaf

Blade: Narrow to medium in width; erect but drooping towards the tips. A small chlorotic blotch may be present, but is always less pronounced than in NCo376.

Sheath: Slightly hairy on the abaxial surface. Green in colour, with some purpling near the sheath scar.

Collar: Narrow to medium in width. Green in colour.

Auricle: Usually present; small and rounded.

Stalk

Internode

Appearance: Medium in thickness and texture, cylindrical or slightly bobbin-shaped. Yellow or yellow-green with pink tinge, developing a deep pink colour on exposure.

Wax band: Narrow and constricted.

Bud furrow: May be present, or there is an indentation above the bud.

Node

Growth ring: Yellow or greenish-yellow in colour. May be raised slightly above the root band to form a ridge.

Root band: Narrow; usually slightly swollen. Yellow in colour.

Sheath scar: Ciliate; protrudes near the bud, but does not sag.

Bud: Circular, arising at the sheath scar, often with a small peg-like projection at the base. Young, immature buds are distinctly pink or red in colour.

Flange: Narrow and inconspicuous. There may be a fringe of hairs at the apex.



January 2024