



Information Sheet

Variety N19

Irrigated

Rainfed

Introduction

Recommended for higher potential soils in rainfed and irrigated regions for annual harvesting.

Best features

High sucrose content. Resistant to smut. Can be planted in rainfed and irrigated regions. Annual harvesting. Best harvested early to mid season (Mar to Aug). Some tolerance to saline soil conditions. While Ethephon and Fusilade Forte and their generics are recommended as suitable chemical ripeners for N19, the combination treatment is highly recommended for this variety.

Limiting features

Susceptible to mosaic. Only plant in Autumn due to susceptibility to mosaic. Do not carry over due to eldana susceptibility. Tends to lodge and ratooning ability is generally poor due to shallow rooting system. Crooked sticks can lead to poor payloads. Where there is high smut pressure, this variety has been observed with smut. 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	

N19 Identification Guide

Habit and General Appearance

A very quick growing variety, with an open growth habit and a medium stalk population.

Leaf

Blade: Medium to broad in width, slightly drooping. A well defined chlorotic blotch is present, and chlorosis may be present on the lamina as well as the midrib.

Sheath: The abaxial surface is usually very hairy, with the hairs being rather short and spiny.

Collar: Medium width; indistinct green-brown in colour.

Auricle: Usually present, being well developed, broad and lance-shaped.

Stalk

Internode

Appearance: Yellow-green in colour. Trash clings loosely. When exposed a purple colour develops, so the stalk appears to be purple.

Wax band: Much wax is present on the internode, so the band may be indistinct.

Bud furrow: Absent.

Node

Growth ring: Yellow to yellow-brown. Sometimes slightly raised to form a small ridge. Distinct wave over bud.

Root band: Narrow and slightly swollen; root primordia distinct with purple centres.

Sheath scar: Protruding and sagging below the bud.

Bud: Arises slightly above the sheath scar and is typically circular or oval in shape.

Flange: Medium width; arises well above the centre of the bud.



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