



Information Sheet

Variety N77

Introduction

Recommended for rainfed, coastal short cycle growing conditions under 12 months harvest and must be harvested by mid-October to avoid the negative effects of flowering.

Best features

Recommended for rainfed, coastal short cycle growing conditions under 12 months harvest and must be harvested by mid-October to avoid the negative effects of flowering. High cane yield, RV% and TonsRV on average and high potential soils. Significant advantage on average potential soils. Good ratooning ability. Good pest and disease tolerance. Acceptable colour.

Limiting features

Profuse flowering and prone to lodging. Poor millability compared to control varieties.

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	

N77 Identification Guide

Habit and General Appearance

Upright growth structure, slightly open growth habit and good population.

Leaf

Blade: Very narrow and pointy but bending at the tips. No genetic markings.

Sheath: Medium adherence to the stalk. Course hairs present.

Collar: Profuse hairs protruding (a beard).

Auricle: Present and visible on both sides, small in size.

Stalk

Internode

Appearance: Conoidal shape: thick at the bottom node and narrows to the centre. Yellow-green in colour when not exposed to the sun and turns greenish when exposed to the sun. Lightly covered with wax and brown blotches.

Wax band: Distinct and broad-width band, with medium-thick wax.

Bud furrow: Present and visible but with a medium indentation.

Node

Growth ring: Raised/protruding distinguishable, and slightly darker colour than the rest of the stalk.

Root band: Generally has three rows of root primordia with distinct brownish centres, flat on new nodes but slightly raised

Sheath scar: Distinct and protruding.

Bud: Round in shape. Positioned within the root band but the tip extends slightly over the growth ring.

Flange: Thin and brownish colour.



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