



# Information Sheet

## Variety N78

### Introduction

Recommended for planting and harvesting in all soils on an 18 to 24 month cutting cycle in the Midlands and high altitude regions. It can also do well in the coast and hinterland areas on a 12 -15 months cycle.

### Best features

Recommended for planting and harvesting in all soils on an 18 to 24 month cutting cycle in the Midlands and Hinterland regions and can do well on a 12-15 months cutting cycle. High cane yield, high RV% and high Tons RV yield. Excellent ratooning ability. Broadly adaptable. Good resistance to smut, mosaic, brown rust and eldana. High stalk population.

### Limiting features

High flowering when planted in coastal areas. Thin stalks.

### 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](http://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	

# N78 Identification Guide

## Habit and General Appearance

Slight upright growth structure, good population.

## Leaf

**Blade:** Narrow to medium width. Has a slight bend. No genetic markings.

**Sheath:** Medium adherence to the stalk. Very slight wax present. Short, soft and profuse hairs present. Has reddish blotches.

**Collar:** Small but distinguishable and has very light-yellow colour. Has small hairs protruding (a beard).

**Auricle:** Absent

## Stalk

### Internode

**Appearance:** Cylindrical shape, covered with wax. Older internodes have a darker green – yellow colour with a dark green blotch at the top of the internode below the sheath scar. The younger internodes have a pale-yellow green colour.

**Wax band:** Blends in with the rest of the stalk. Not clearly distinguishable.

**Bud furrow:** Absent.

### Node

**Growth ring:** Raised/protruding. Distinguishable but with same colour as the rest of the stalk.

**Root band:** Generally, has two rows of root primordia with brownish centres, flat on new nodes but raised on older nodes.

**Sheath scar:** Protruding with a neat detachment.

**Bud:** Oval shape. Positioned within the root band.

**Flange:** Thick and clearly distinguishable with red edges.



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