



Information Sheet

Variety N81

Introduction

Recommended for planting and harvesting all-year in the Irrigated regions and must be harvested at 12 months.

Best features

Recommended for planting and harvesting all-year in the Irrigated regions and must be harvested at 12 months. High cane yield, high TRV, good ratooning, broad adaptability, resistant to smut resistant.

Limiting features

Prone to lodging particularly under high cane yield environments. Low RV% in crops harvested from March to May (Early season).

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

*(Soil potential unknown at this stage)

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
RATOONING	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	

N81 Identification Guide

Habit and General Appearance

Upright growth and vigorous structure, slightly open growth habit, thick stalks, good population.

Leaf

Blade: Broad leaves that narrows and becomes pointy to the tip. The midrib is very distinct and thick and occasionally has a light colour than the blade.

Sheath: Weak adherence and easy to detach, short and soft (easily break-off) but prickly hairs on newer sheaths but not hairs on older sheaths.

Collar: Medium sized and dark green colour, darker on older leaves and light colour on younger leaves.

Auricle: Present on one side, small and elongated with a pointy tip.

Stalk

Very thick stalks.

Internode

Appearance: Light green-yellowish and covered with wax. Newer internodes are cylindrical in shape and older internodes appear staggered.

Wax band: Narrow width and distinct with medium thick wax.

Bud furrow: Absent.

Node

Growth ring: Distinct and light green in colour on younger internode but the colour blends in with the rest of the of the internode older internodes.

Root band: Slanted and uneven size that is wider on the bud side but narrower on the back. Flat on new nodes and raised on older internodes. Primordia tend to be flat on one side but with some that are slightly raised and textured.

Sheath scar: Flat with ruffles at the back but the bud side is protruding.

Bud: Positioned within the growth ring, oval in shaped and has a reddish tinge.

Flange: Clearly distinct, creamy colour and has some hairs fine, soft hairs on the top very close to the growth ring.



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