



Information Sheet

Variety N41

Rainfed

Irrigated

Introduction

Recommended for rainfed and irrigated regions. Widely adaptable to a range of soil types and conditions, however avoid planting on very sandy soils in rainfed regions.

Best features

Extremely versatile variety. Recommended for rainfed and irrigated regions. Widely adaptable to a range of soil types and conditions. While more suited to a short harvesting cycle (12 to 14 months) N41 can be carried over. Good performance during periods of drought and water restrictions. Good yields achieved on waterlogged and heavy soils. Recommended for saline/sodic soils for mid season harvesting in the lowveld (May to Aug). Can be grown in frost prone areas. Good sucrose. Generally resistant to lodging therefore gives good payloads. Initial observations are that thrips will cause mild damage to this variety. While Ethephon and Fusilade Forte and their generics are recommended as suitable chemical ripeners for N41, the combination treatment is highly recommended for this variety.

Limiting features

Avoid planting on very sandy soils in rainfed regions. Poor canopy, particularly in plant crop, weeds can be a problem. Does not perform as well when planted at wide row spacing or tramline planting. Routine roguing for smut is essential if planted in a smut-prone area. Avoid harvesting in the late season in the lowveld when smut is a problem. Not recommended for long harvesting cycle in Midlands.

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	

N41 Identification Guide

Habit and General Appearance

The growth habit is slightly open, with a medium population of stalks. The stalks are medium to thin and sometimes grow with a bend in the bottom half. The canopy is fairly sparse, with erect, narrow leaves.

Leaf

Blade: Thin; erect. Sometimes there is light chlorotic blotching on both the midrib and blade.

Sheath: Green, with a fair amount of wax bloom. Hairs are present which can be brushed off. The trash comes off easily.

Collar: Medium width, yellow, sometimes with a purple outline.

Auricle: Small to medium; on one side only.

Stalk

Internode

Appearance: Medium length and medium to thin diameter, sometimes with small, shallow cracks present. There are sometimes corky markings on the stalk. The stalk can have a slight stagger or zigzag. Green, becoming green-yellow on exposure.

Wax band: Medium to narrow; distinct.

Bud furrow: Normally absent, but sometimes a slight, shallow furrow can be present.

Node

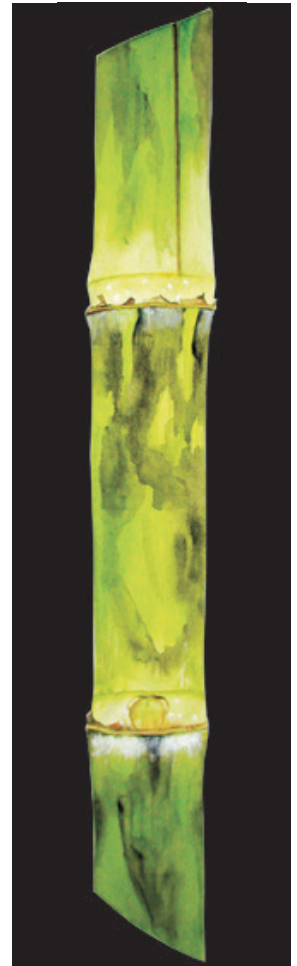
Growth ring: Medium; slightly protruding; light yellow-green.

Root band: Medium to narrow in width; light green-yellow in colour.

Sheath scar: Slanting slightly; neat.

Bud: Small; round; arises at the sheath scar.

Flange: Narrow to medium; usually just reaches the growth ring.



January 2024

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