



# Information Sheet

## Variety N39

### Introduction

Recommended for sandy soils along the coast and in hinterland regions when harvested between 14 and 18 months of age.

### Best features

Excellent for sandy soils along the coast and in hinterland regions when harvested between 14 and 18 months of age (but avoid sandy soils in Midlands). Very good germination and canopy closure. Initial observations are that thrips will cause mild damage in this variety.

### Limiting features

Avoid planting on shallow soils. Usually outperformed by N41 when harvested at 12 months. Brown rust is common on this variety. Poor performance on sandy soils in Midlands. Pithing can be a problem due to quick growth under favourable growing conditions. Generally inferior to other midlands varieties when aged beyond 18 months.

### 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	

# N39 Identification Guide

## Habit and General Appearance

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A tall variety that has an erect growth habit. The stalks are medium to thin. The canopy is fairly light green and has erect leaves, medium in width, usually with bent leaf tips.

## Leaf

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**Blade:** Erect, medium in width with bent leaf tips. Fairly light green in colour, often with chlorotic blotches on both the midrib and blade.

**Sheath:** Light green, normally with no hairs present. The trash can be peeled off fairly easily.

**Collar:** Medium width, green-yellow; often also has slight purple colour.

**Auricle:** No auricle present.

## Stalk

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### Internode

**Appearance:** Medium length and fairly thin. There are often corky markings present. Light yellow-green in colour, becoming green-yellow on exposure. The stalks can have a slight stagger or zigzag.

**Wax band:** Narrow to medium; fairly distinct.

**Bud furrow:** None

### Node

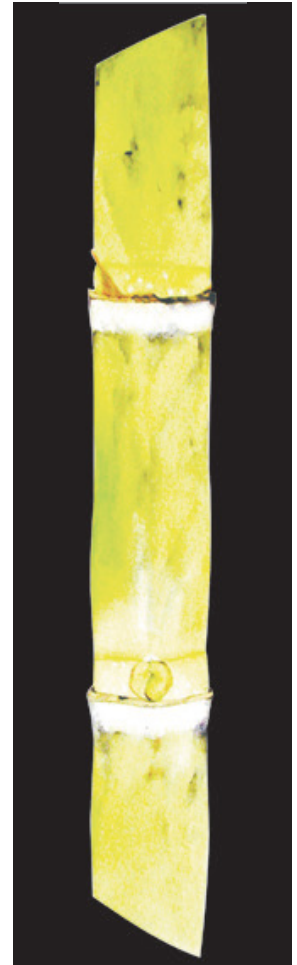
**Growth ring:** Medium width; yellow-green.

**Root band:** Medium width, green-yellow; often also has slight purple colour.

**Sheath scar:** Neat

**Bud:** Round/ovate; arises at the sheath scar.

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



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