



# Information Sheet

## Variety N43

### Introduction

Recommended for moderate to high yield potential conditions in irrigated regions.

### Best features

High RV yields in moderate to high yield potential conditions. Performs best when harvested mid to late season. Stable yields over multiple ratoons. Good payloads achieved due to tolerance to lodging. Very rapid germination and dense canopy formation. Better relative performance observed in Mpumalanga compared with Pongola.

### Limiting features

Susceptible to smut. Intermediate susceptibility to eldana, should not be carried over. RV yields generally poorer than other varieties early in season. Intermediate to high thrips damage has been observed.

### 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	

# N43 Identification Guide

## Habit and General Appearance

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The growth habit is slightly open with a medium population of stalks. The leaves are fairly erect of medium width. The older leaf sheaths or crop residue only partially cover the stalk.

## Leaf

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**Blade:** Fairly erect, medium in width, slightly arched in the top half of the leaf.

**Sheath:** Lightish green, fairly waxy with purple blotches sometimes. Hairs rarely present. The crop residue can be peeled off easily.

**Collar:** Medium to narrow, green-yellow.

**Auricle:** Long sometimes with a small one present on the other side.

## Stalk

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### Internode

**Appearance:** The internodes are medium length and thickness. They are yellow-green in colour but where exposed, purplish. They also have a fair amount of wax on them. The stalk can have a slight zigzag alignment between the internodes. The internodes are concave - convex in shape.

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

**Bud furrow:** None

### Node

**Growth ring:** Bulges slightly.

**Root band:** Medium to narrow in width, green-yellow in colour.

**Sheath scar:** Neat

**Bud:** Fairly small and round, arises usually just above the sheath scar.

**Flange:** Narrow to medium arises at the top half of the bud, usually does not reach the growth ring.



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