



# Information Sheet

## Variety N42

### Introduction

Recommended for moderate to high potential conditions in coastal and hinterland regions.

### Best features

Best performance when harvested early in the season on the coast. Suited to moderate to high potential soils. Good yields achieved in valley bottoms on deep soils. Very good germination and canopy characteristics. Initial observations are that thrips will cause mild damage in this variety. While Fusilade Forte and their generics are recommended as suitable chemical ripeners for N42, the combination treatment is highly recommended for this variety.

### Limiting features

Flowers profusely, should be harvested before September along the coast. Cane be harvested older in hinterland areas. Sensitive to hot water treatment. Severe brown rust 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	

# N42 Identification Guide

## Habit and General Appearance

The growth habit is erect. The canopy is a fairly light green and has erect leaves, medium in width, usually with bent leaf tips. The older leaf sheaths or trash virtually cover and enclose the whole stalk.

## Leaf

**Blade:** Erect, medium in width, with bent leaf tips. Fairly light green in colour. Sometimes there are chlorotic blotches present.

**Sheath:** Lightish green with some purple. There are also often pinkish or brown patches. Hairs are present. The trash can be peeled off fairly easily.

**Collar:** Medium to narrow, green-yellow, often also has a slight purple tinge.

**Auricle:** Absent

## Stalk

### Internode

**Appearance:** Medium length and thickness. There are often corky markings present. The stalk is yellow-green in colour, and can have a slight zigzag between the internodes.

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

**Bud furrow:** None

### Node

**Growth ring:** Protrudes, yellow-green in colour.

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

**Sheath scar:** Neat, at a slight angle.

**Bud:** Fairly small, rectangular, arises at the sheath scar.

**Flange:** Narrow to medium width, arises at the top half of the bud, usually just reaches the growth ring.



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