



# Information Sheet

## Variety N14

Irrigated

### Introduction

Recommended for planting in moderate to high potential soils and generally in good growing conditions.

### Best features

Reliable variety that produces good yields in good growing conditions with good irrigation management. N14 is resistant to lodging. Initial observations are that thrips will cause mild damage in this variety.

### Limiting features


Low sucrose content. Not suited to shallow, weak or poorly drained soils. Recovery after water stress is poor. Susceptible to eldana, do not carry over. Flowers profusely and harvesting after mid-October must be avoided. Low N use efficiency indicating higher rate of N fertiliser is generally required. Highly susceptible to RSD. Does not respond well to ripener treatment.

### 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	



# N14 Identification Guide

## Habit and General Appearance

Characteristically a prostrate habit of growth after germination. Canopies quickly, and eventually becomes erect with straight stalks.

## Leaf

**Blade:** A slight chlorotic blotch may be present, but it is less prominent than that of NCo376. The midrib often shows a reddish colouration, a reaction to sap sucking insects.

**Sheath:** Has a slight purplish colour which is overlaid with much wax coating. The inside may show a purple colouration, but is often white. The abaxial surface is profusely hairy, but the hairs are relatively soft and not spiny. The trash breaks away from the stalk easily and leaves a neat, clean sheath scar.

**Collar:** Narrow to medium width; indistinct greenish-brown in colour.

**Auricle:** Small and rounded; usually occurs on one side of the stalk but may be totally absent.

## Stalk

### Internode

**Appearance:** Cylindrical and circular in cross-section. Greenish-yellow in colour. When exposed to sunlight develops only slight sunburning compared with NCo376.

**Wax band:** Medium width, distinct and constricted.

**Bud furrow:** May develop when the cane is growing under conditions of stress, but is generally absent.

### Node

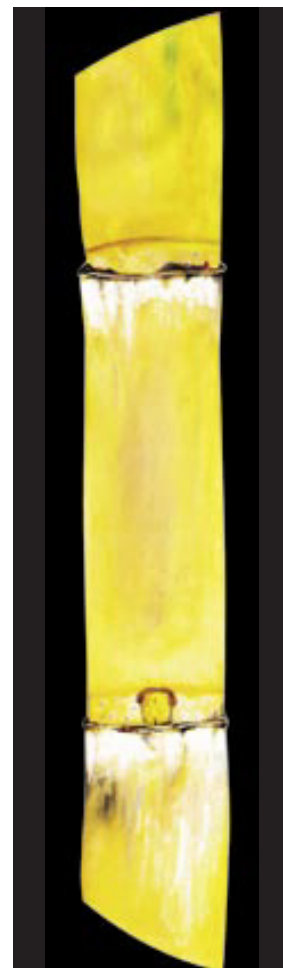
**Growth ring:** Yellowish-brown; often raised.

**Root band:** Typically narrow, with only two rows of dark-centred root primordia.

**Sheath scar:** Does not sag nor protrude; clean, without tearing.

**Bud:** Arises at the sheath scar; medium sized; oval in shape, with the narrow end towards the sheath scar. Usually a small indentation at the apex, which in young buds may be fringed with hairs.

**Flange:** Medium in width, arising above the middle of the bud.



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