



# Information Sheet

## Variety N47

### Introduction

Recommended for planting in coastal and hinterland regions under moderate to low potential growing conditions and harvested on a longer cutting cycle (15 to 18 months).

### Best features

Good RV yields under average to low potential conditions along the coast and hinterland where eldana is a problem. Better eldana and disease resistance than N12. Initial observations are that thrips and YSA cause mild damage in this variety. Good resistance to brown rust. Tawny rust has not been observed on this variety.

### Limiting features

Not suited to annual harvesting on the coast. Very slow germination and canopy formation. Sensitive to hot water treatment. Ratooning ability can be a problem with this variety. Generally outperformed by other commercial varieties under high yield potential conditions. Has erect leaves and an upright canopy making weed control more difficult.

### 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	

# N47 Identification Guide

## Habit and General Appearance

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Slow to germinate and canopy; stalk population intermediate, lower than N12.

## Leaf

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**Blade:** Medium blade width at longitudinal mid-point; fairly erect leaves; small chlorotic patches on mid-rib; large ligule

**Sheath:** Medium adherence to the stalk; very waxy sheath; coarse and long hairs present; green with purple on exposed parts

**Collar:** Indistinct; darker green

**Auricle:** Medium and broad on one side and small and broad on the other side; both with distinct tufts of hair

## Stalk

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### Internode

**Appearance:** Conoidal (wide at the bottom of the internode near the bud, narrow at the top of the internode); weak to medium zig-zag stalk alignment; pale yellow when not exposed to the sun; some wax present on the internodes

**Wax band:** Indistinct; very narrow

**Bud furrow:** Absent

### Node

**Growth ring:** Protruding growth ring; indistinct

**Root band:** Medium to broad root band

**Sheath scar:** Present; protruding; distinct

**Bud:** Rhomboid; young buds are pinkish-red; bud does not always reach growth ring

**Flange:** Narrow and indistinct



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