

# **Information Sheet**

## Variety N45

#### Introduction\_

Recommended for wide range of soils in coastal and hinterland regions and harvested annually.

#### Best features\_

Performs best on average to high potential soils on annual cycle in hinterland regions. High population of thin stalks that are relatively straight. Good germination and canopy formation.

### Limiting features

Not recommended for longer cutting cycle due to eldana susceptibility. Slight gumming has been observed on this variety. Variable performance observed with this variety in general. Can lodge.

#### Yield & quality\_

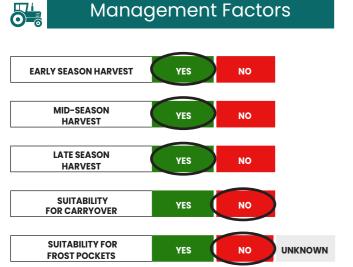


The performance of a variety will vary under different conditions and levels of management. For refined yield and quality information, please consult the SASRI Variety Guide at www.sasri.org.za/varietyguide, where you will be able to rank this variety against others of your choice based on your specific area, irrigation regime, cutting cycle, soil potential and time of harvest.

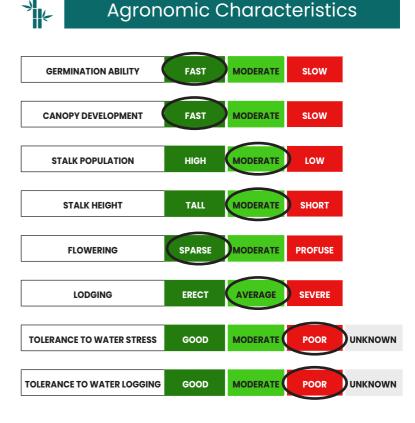


**Varietal Traits N45** 

Soil Potential





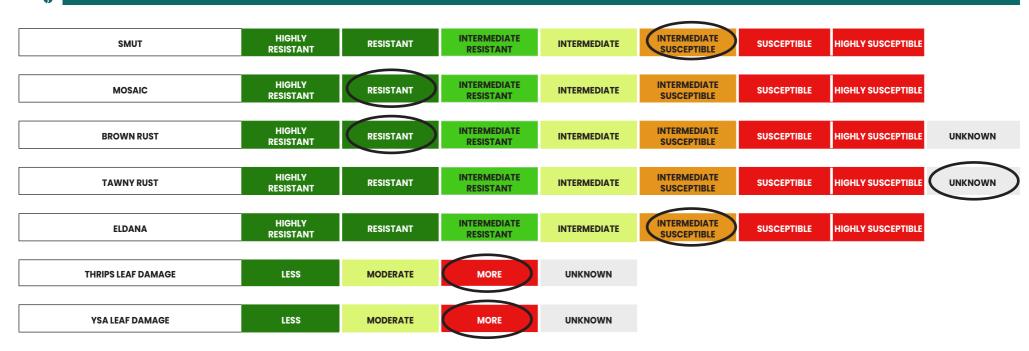


#### Response to Ripeners





#### Reaction to Pests & Diseases



|                | Milling Characteristics |      |            |          |             |         |           |
|----------------|-------------------------|------|------------|----------|-------------|---------|-----------|
|                |                         |      |            |          |             |         |           |
| FIBRE CONTENT  | VERY LOW                | LOW  | LOW TO MOD | MODERATE | MOD TO HIGH | HIGH    | VERY HIGH |
|                |                         |      |            |          |             |         |           |
| COLOUR         | VERY LOW                | Low  | ACCEPTABLE | нівн     | VERY HIGH   |         |           |
|                |                         |      |            |          |             |         |           |
| PROCESSABILITY | VERY GOOD               | GOOD | ACCEPTABLE | POOR     | VERY POOR   | UNKNOWN |           |



### **N45** Identification Guide

#### Habit and General Appearance.

Average stalk population with very thin stalks; good canopy; relatively straight intermediate height stalks; may lodge occasionally.

#### Leaf

Blade: Narrow to medium width at longitudinal mid-point; erect leaves; small

chlorotic blotches on midrib; large and distinct ligule.

Sheath: Medium adherence to stalk; very few to absent hairs on sheath; yellowish-

green sheath.

Collar: Dark green - purple collar.

Auricle: Small broad auricles on both sides; tufts of hair present on both sides

#### Stalk

#### Internode

**Appearance:** Concave-convex; moderate zig-zag alignment of stalk; very little or

absent wax on internode; yellowish stalks when not exposed to the sun;

dark green on exposure to sun, sometimes brownish/brick red.

Wax band: Distinct; medium-broad.

**Bud furrow:** Slight; more distinct on older internodes.

#### Node

Growth ring: Distinct & protruding; medium width.

**Root band:** Narrow-intermediate; 2 rows of primordia.

**Sheath scar:** Distinct; neat sheath scar; not perpendicular to stalk.

**Bud:** Round; smallish; extends above the growth ring

**Flange:** Distinct; extends half way around the bud.

