

## Introduction

Recommended for planting in the hinterland and midlands regions under a wide range of soil conditions and harvest ages (preferably older than 15 months).

### Best features.

Very high RV yields achieved in the hinterland and midlands regions on both sandy and humic soils. Suitable for valley bottoms and wetter areas. Performs well on lower slopes on the better, sandy soils. Also suited to frost pockets in the midlands. Ripener recommended if harvesting on short cutting cycle due to low RV content. Not recommended for coastal regions on an annual harvesting cycle. Low stalk population with thick, heavy stalks. Ratooning ability is good, except through thick crop residue blanket. Very quick germination and canopy closure

## Limiting features.

Performance on the coast on an annual harvesting cycle has been poor. Plant with caution as high levels of smut and eldana have been observed in the midlands region. Cosmetic pokkah boeng is common in summer. Brittle stalks. Do not age beyond 22 months. Does not ratoon well through a thick crop residue blanket and if stools are driven over, especially when wet.

## 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.



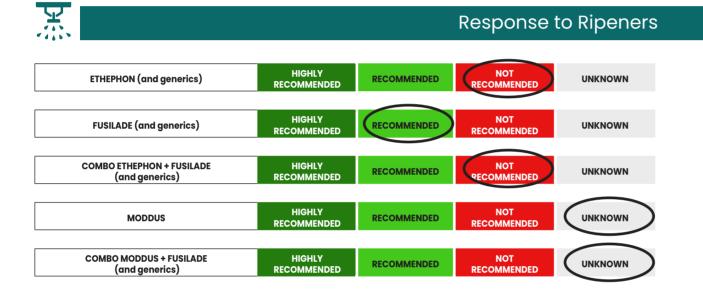
Varieties



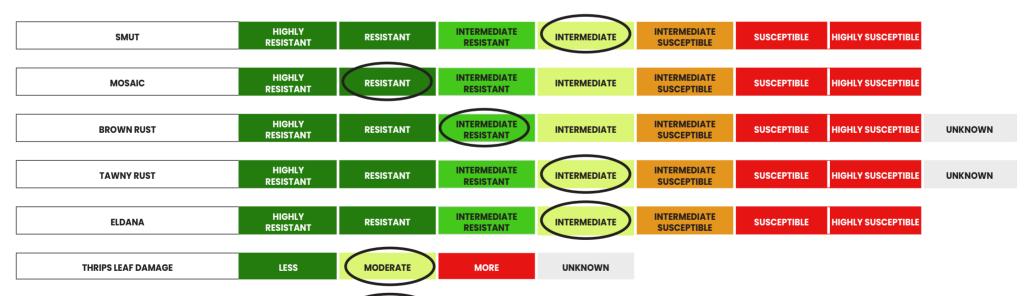


## **Varietal Traits**

| Management Factors                              | Soil Potential           | Agronomic Characteristics                             |
|---|--------------------------|---|
| EARLY SEASON HARVEST YES NO                     | LOW POTENTIAL YES NO     | GERMINATION ABILITY FAST MODERATE SLOW                |
| MID-SEASON<br>HARVEST YES NO                    | AVERAGE POTENTIAL YES NO | CANOPY DEVELOPMENT FAST MODERATE SLOW                 |
| LATE SEASON<br>HARVEST YES NO                   | HIGH POTENTIAL YES NO    | STALK POPULATION HIGH MODERATE LOW                    |
| SUITABILITY<br>FOR CARRYOVER YES NO             |                          | STALK HEIGHT TALL MODERATE SHORT                      |
| SUITABILITY FOR<br>FROST POCKETS YES NO UNKNOWN |                          | FLOWERING SPARSE MODERATE PROFUSE                     |
|   |                          | LODGING ERECT AVERAGE SEVERE                          |
|   |                          | TOLERANCE TO WATER STRESS GOOD MODERATE POOR UNKNOWN  |
|   |                          | TOLERANCE TO WATER LOGGING GOOD MODERATE POOR UNKNOWN |



#### **Reaction to Pests & Diseases**











# N48 Identification Guide

## Habit and General Appearance\_

Low stalk population, thick stalks; slightly open growth habit; tendency to lodge when cane yield is high.

| Leaf  |  |  |
|---|--|--|
| <b>Blade:</b> Medium to broad width of leaf blade at the longitudinal mid-point; erect leaves; tends towards having a big canopy; flat ligule |  |  |
| <b>Sheath:</b> Medium adherence to the stalk; coarse hairs present on the sheath; green sheath with purple markings                           |  |  |
| Collar: Mediu   | im to broad collar; dark green; waxy   |  |
| Auricle: Inner auricle is broad; medium to long and quite pointed; outer auricle is short and broad   |  |  |
| Stalk   |  |  |
| Internode   |  |  |
| Appearance:   | Obconoidal (narrow at the bottom of the internode near the bud, wider<br>at the top of the internode); very weak zig-zag alignment of the stalk;<br>cracks sometimes present on older internodes; yellow-green in colour |  |
| Wax band:   | Narrow, fairly distinct wax band   |  |
| Bud furrow:   | Distinct; only extends half way up the internode   |  |
| Node  |  |  |
| Growth ring:  | Raised; distinct   |  |
| Root band:  | Yellow; darker yellow on older nodes; more than 2 rows<br>of primordia   |  |
| Sheath scar:  | Protrudes; untidy; quite distinct  |  |
| Bud:  | Triangular-pointed bud; extends well beyond the growth ring  |  |
| Flange:   | Distinct; extends almost all round the bud   |  |



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