



# Information Sheet

## 13. VARIETIES

### 13.32 Variety N47

Previously 95M0290. Parents 87M0965 x N12. Selected in the Coastal region from data collected from three sites in the Gingindlovu area.

#### BEST FEATURES

N47 performed well on average/poorer soils on a 15-18 month cutting cycle. Yields increased in 1<sup>st</sup> and 2<sup>nd</sup> ratoon crops. High sucrose content, and reasonable resistance to eldana.

#### LIMITING FEATURES

Has yielded less than other varieties under good conditions. Fairly slow to germinate and canopy.

#### YIELD AND QUALITY

Tons RV	High. 120% NCo376, 113% N12, 122% N29
Cane yield	Moderate. Similar to NCo376 and N12, 129% of N29
RV content	High. 121% NCo376, 113% N12 and 95% N29
Fibre content	Moderate. Similar to N12
Purity	Good. Similar to N29

N47 has high yield of RV per hectare on average to poorer soils on a 15-18 month cycle. Cane yields increased from plant cane to second ratoon. It has performed poorer than other varieties on higher potential soils. Results from the shorter cutting cycle will be available in 2008.

#### REACTION TO DISEASES AND PESTS

Smut	Intermediate
Mosaic	Intermediate
Rust	Resistant
Leaf scald	Resistant
Eldana	Intermediate-resistant

N47 has reasonable resistance to eldana, and is more resistant to smut and mosaic than N12.

#### AGRONOMIC CHARACTERISTICS

Germination	Intermediate-slow
Stalk Population	Intermediate
Stalk Height	Intermediate
Canopy	Intermediate
Flowering	Rare
Lodging	Intermediate
Ratooning	Good

N47 shares similar growth characteristics with its male parent, N12. It does not germinate or canopy fast, and has a lower stalk population than N12.

#### MILLING CHARACTERISTICS

Colour	Intermediate
Pith:Fibre ratio (Low ratio is desirable)	Low

N47 has lower colour than NCo376 but higher colour than N29. It has 10% less pith than NCo376, and 20% less than N29.

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