



# Information Sheet

## 13. VARIETIES

### 13.34 **Variety N49** *(Approved for release: 29 May 2008)*

**Recommended for irrigated conditions on an annual harvest cycle.** Parents 87E1331 x N30. Selected in the irrigated region from trials at Pongola, Komati and Malelane. Two trials were planted early season (March) and four trials were planted later in the season (September/October). Trials were assessed for plant crop plus three ratoons.

#### BEST FEATURES

Good RV yields early and late in the season. Resistant to smut and mosaic.

#### LIMITING FEATURES

Juice colour measured in three trials was higher than other irrigated varieties.

#### YIELD AND QUALITY

Tons RV	High. 103% of N25, 105% of N36, 105% of N40
Cane yield	Moderate. 90% of N25, 102% of N36, 106% of N40
RV content	Moderate to high. 115% of N25, 102% of N36, 99% of N40
Fibre content	Moderate. 109% of N25, 96% of N36, 92% of N40
Purity	Moderate. 103% of N25, 100% of N36, 98% of N40
Good RV yields early and late in the season.	

#### REACTION TO DISEASES AND PESTS

Smut	Resistant
Mosaic	Resistant
Rust	Intermediate
Leaf scald	Not been recorded
Eldana	Intermediate-susceptible
Initial Eldana results only. Intermediate to Pokkah Boeng. Positive for Sugarcane Yellow Leaf Virus (SCYLV).	

#### AGRONOMIC CHARACTERISTICS

Germination	-
Stalk Population	Intermediate - low
Stalk Height	-
Canopy	Good
Flowering	Rare
Lodging	Intermediate
Ratooning	Intermediate - good
Severe lodging has been recorded.	

#### MILLING CHARACTERISTICS

Colour	High. 137% of N25, 114% of N36, 204% of N40
Pith:Fibre ratio (Low ratio is desirable)	Average. 84% of N25, 106% of N36, 110% of N40
Results for milling characteristics are from fewer trials (only three) than yield and quality traits.	

August 2008

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