



# Information Sheet

## 3. VARIETIES

### Variety N72

**Parents:** 94F2195 x Unknown males

*Selected at Empangeni Research station and tested at the advanced variety stage in two trials in the coastal short average potential region (one trial at Gingindlovu Research Station and one trial on a grower co-operator farm), and three trials in the coastal short high potential region (two trials at Empangeni Research Station, and one trial on a grower co-operator farm). Results are from plant, first and second ratoon crops*

*Recommended for planting in average and high potential soils on a shorter cutting cycle of 12 to 14 months in the coastal rainfed regions.*

#### BEST FEATURES

High RV yields on average and high potential soils.  
Good ratooning ability.  
Good pest and disease resistance.  
Acceptable milling characteristics.

#### LIMITING FEATURES

High colour

#### YIELD AND QUALITY

Tons RV	121% of NCo376, 125% of N19, 102% of N27, 109% of N41 in high potential soils 133% of NCo376, 133% of N19, 114% of N27, 118% of N41 in average potential soils
Cane yield	112% of NCo376, 125% of N19, 105% of N27, 114% of N41 in high potential soils 114% of NCo376, 122% of N19, 111% of N27, 115% of N41 in average potential soils
RV content	109% of NCo376, 102% of N19, 97% of N27, 96% of N41 in high potential soils 116% of NCo376, 108% of N19, 102% of N27, 102% of N41 in average potential soils
Fibre content	94% of NCo376, 106% of N19, 98% of N27, 103% of N41
Purity	103% of NCo376, 102% of N19, 100% of N27, 100% of N41

Yield and quality data from coastal short cycle in average and high potential soils on a 12 to 14 month cutting cycle.

#### REACTION TO DISEASES AND PESTS

Smut	Resistant
Mosaic	Resistant
Brown rust	Resistant
Tawny rust	Intermediate Resistant
Eldana	Intermediate Resistant

#### AGRONOMIC CHARACTERISTICS

Germination	Good
Stalk Population	117% of N41
Stalk Height	96% of N41
Stalk diameter	93% of N41
Canopy	Good
Flowering	Low risk
Lodging	Average
Ratooning	Good

#### MILLING CHARACTERISTICS

Colour	High colour, slightly higher than NCo376
Processability	Acceptable. Lower percolation and higher density than NCo376.

## IDENTIFICATION GUIDE

### Habit and General Appearance

Vigorous structure; open growth habit; good canopy; good population

### Leaf

**Blade:** Narrow width and erect with no markings

**Sheath:** Loose adherence at the bottom/old internodes and medium adherence in younger internodes; fairly hairy with short and sharp hairs; reddish edge and reddish blotches

**Collar:** Medium size with a darker brownish colour

**Auricle:** Long and present only on one side

### Stalk

#### Internode:

Cylindrical with slight zigzag; dark brownish with large blotches

**Wax Band:** Broad/wide band not heavily waxed

**Bud Furrow:** Present and shallow

#### Node:

**Growth Ring:** Indistinct and flat in older internodes but distinct and protruding in younger internodes

**Root Band:** Raised in older nodes but flat in younger nodes

**Sheath scar:** Flat

**Bud:** Small and round; positioned within the root band

**Flange:** Distinct and narrow



Compiled by Marvellous Zhou (Senior Plant Breeder)

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