



# Information Sheet

## 3. VARIETIES

### Variety N75

Parents: N37 x 85H0363

*Selected at Bruyns Hill Research Station and tested at the advanced variety stage in three humic soils trials (one trial on Bruyns Hill Research Station and two trials on grower co-operator farms), and three sandy soils trials (one trial on Glenside Research Station and two trials on grower co-operator farms) from 2013 to 2019. Results are from the plant, first and second ratoon crops.*

*Recommended for planting and harvesting in humic and sandy soils on a longer cutting cycle of 18 to 24 months.*

#### BEST FEATURES

High tons RV, high RV% and high cane yield in humic and sandy soils.  
 Very good ratooning ability in humic and sandy soils.  
 Good resistance to eldana, mosaic and rust.

#### LIMITING FEATURES

Intermediate resistance for smut.

#### YIELD AND QUALITY

Tons RV	123% of N31, 117% of N12 in humic soils. 113% of N31, 119% of N12 in Sandy soils.
Cane yield	103% of N31, 115% of N12 in humic soils. 106% of N31, 125% of N12 in sandy soils.
RV content	118% of N31, 104% of N12 in humic soils. 106% of N31, 95% of N12 in sandy soils.
Fibre content	99% of N31, 102% of N21.
Purity	103% of N31, 100% of N12.

High tons RV and cane yield in humic and sandy soils.

#### REACTION TO DISEASES AND PESTS

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

#### AGRONOMIC CHARACTERISTICS

Germination	Good
Stalk Population	80% of N12 and N31
Stalk Height	89% of N31 133% of N12
Stalk diameter	130% of N31, 113% of N12
Canopy	Good
Flowering	Low
Lodging	Average
Ratooning	Good

#### MILLING CHARACTERISTICS

Colour	Once-off testing of a single sample suggests that the colour of this variety is similar to NCo376 and N52, lower than N48.
Processability	Once-off testing of a single sample suggests that this variety has a slightly higher density than NCo376, similar to N52 and N62 and slightly lower than N48. Percolation rate was slightly lower than NCo376 but not significantly different from N48, N52 and N62.

## IDENTIFICATION GUIDE

### Habit and General Appearance

Upright and has distinctly reddish-purple sheath colour.

### Leaf

**Blade:** Broad, upright with a slight bent at the tips

**Sheath:** Strong adherence to the stalk, Reddish purple colour, has soft fine hairs but sparse

**Collar:** Indistinct, similar to the blade in colour, medium in size

**Auricle:** Present only on one side, short but distinct

### Stalk

#### Internode:

Cylindrical but older internodes tend to be bobbin, yellow-green colour with a purple tint where sun exposed

**Wax Band:** Narrow band width, very distinct with light wax layer

**Bud Furrow:** Not present

#### Node:

**Growth Ring:** Very distinct, thick and protruding, darker in colour than the stalk

**Root Band:** Few primordia, very flat in younger nodes and raised in older nodes

**Sheath scar:** Raised

**Bud:** Round in shape, small and enclosed within the root band

**Flange:** Indistinct and thin



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