



Information Sheet

13. VARIETIES

13.47 Variety N62

Parents: N31 x 88E1071.

Selected at Bruyns Hill Research Station. This variety was tested at advanced variety stage in three trials in sandy soils at Glenside Research Station and off-station trials and three trials in humic soils at Bruyns Hill Research Station and off-station trials from 2008 to 2014. Results are from plant, first and second ratoon crops.

This variety is adapted to both humic and sandy soils and is recommended for a 20 – 24 month harvesting cycle in the rainfed Midlands regions only including Eston, Noodsberg, Entumeni, Melmoth, Harding and High Flats.

BEST FEATURES
Good general disease resistance. Resistant to eldana. High cane and RV yields in humic and sandy soils.

LIMITING FEATURES
Marginally low RV% in humic soils. Intermediate Susceptible to smut.

YIELD AND QUALITY	
Tons RV	126% of N31, 124% of N12, 111% of N48, 115% N50 in sandy soils; 121% of N16, 127% of N12, 124% of N37, 117% of N48, 107% of N50 in humic soils
Cane yield	125% of N31, 129% of N12, 123% of N48 in sandy soils; 124% of N16, 132% of N12, 138% of N37, 112% of N48, 109% of N50 in humic soils
RV content	101% of N31, 96% of N12, 92% of N48, 99% of N50 in sandy soils, 97% of N16, 95% of N12, 88% of N37, 103% of N48, 98% of N50 in humic soils
Fibre content	89% of N31; 99% of N16
Purity	Similar to N31, 99% of N16
Yield and quality data from humic and sandy soils on a 24 month cycle.	

REACTION TO DISEASES AND PESTS	
Smut	Intermediate susceptible
Mosaic	Intermediate resistant
Rust	Resistant
Leaf scald	Resistant
Eldana	Resistant

AGRONOMIC CHARACTERISTICS	
Germination	Good
Stalk Population	Similar to N16 and N31
Stalk Height	96% N31, 113% of N16
Stalk diameter	109% of N31, similar N16
Canopy	Good
Flowering	Low
Lodging	Good
Ratooning	Good

MILLING CHARACTERISTICS	
Colour	Good colour - 78% lower colour than N12 (high colour variety) and 57% lower colour than NCo376 (medium colour variety)
Processability	5% lower percolation than NCo376. Similar density and DRI values to N12 and NCo376
N62 has similar processability to NCo376, adequate milling anticipated.	

IDENTIFICATION GUIDE

Leaf

Blade: Broad and upright and erect leaves with yellow spots confined to midrib.

Sheath: Yellow green with purple tinge and has no hairs

Collar: Slightly darker green than the rest of the stalk

Auricle: Absent

Stalk

Internode: The internodes have a cylindrical shape have a yellowish colour and yellow green on exposure to sun. They have distinct corky markings.

Wax Band: Narrow and well defined

Bud furrow: Present but not on all the internodes

Node

Growth Ring: Distinct with darker colour than the rest of the stalk and sometimes bends over the bud

Root Band: Same colour as the stalk with protruding and bumpy primordia

Sheath Scar: Protruding

Bud: Round in shape and is within the root band.

Flange: Present and mostly visible on the top half of the bud



Compiled by Marvellous Zhou (*Senior Plant Breeder*)
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