



Information Sheet

13. VARIETIES

13.33 Variety N48

Previously 93H0491. Parents 76H0333 x CP70/1133 (from Florida, USA). Selected in the Midlands regions from trials at Bruyns Hill and Glenside.

BEST FEATURES

N48 has high RV yield when harvested older than 20 months in the Midlands. It has the highest sucrose content of the varieties recommended for the Midlands region, and is more resistant to smut and eldana than other Midlands varieties.

LIMITING FEATURES

N48 has a tendency to lodge when cane yield is high. In laboratory tests, N48 had a high pith:fibre ratio (similar to N25).

YIELD AND QUALITY

Tons RV	High. 117% of N12, 108% of N16, 104% of N31
Cane yield	Moderate to high. 116% of N12, 103% of N16, 88% of N31
RV content	High. 104% of N12, 108% of N16 and 119% of N31
Fibre content	Moderate. Similar to N12 and N16, 94% of N31
Purity	Average. Similar to N12 and N16, 104% of N31
N48 has given high RV yields when harvested >20 months of age at higher elevation, and has high RV content.	

REACTION TO DISEASES AND PESTS

Smut	Intermediate
Mosaic	Resistant
Rust	Intermediate-resistant
Leaf scald	Resistant
Eldana	Intermediate
N48 is resistant to mosaic, and is better for smut and eldana than most of the varieties currently grown at high altitude.	

AGRONOMIC CHARACTERISTICS

Germination	Intermediate
Stalk Population	Intermediate-low
Stalk Height	Tall
Canopy	Good
Flowering	No
Lodging	Can lodge at high tonnage
Ratooning	Good
N48 has a fairly low population of thicker stalks - similar to its CP70/1133 parent—and a slightly open growth habit. Because of this, it has a tendency to lodge when cane yield is high.	

MILLING CHARACTERISTICS

Colour	Low
Pith:Fibre ratio (Low ratio is desirable)	High
N48 has lower colour than N12, N16 and N31, but 15% higher pith:fibre ratio than N12 and N31.	

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