

# VARIETY N76

Note: This sheet contains information that was available at the time of release.  
A final Information Sheet will be produced in due course.

Parents: 97E0474 x unknown

Selected at Empangeni Research Station, results are from rainfed, coastal short cycle high and average potential growing conditions under high and low potential soils.

Recommended for rainfed, coastal short cycle growing conditions under 12 months harvest and must be harvested by mid-October to avoid the negative effects of flowering.

BEST FEATURES	LIMITING FEATURES
High cane yield across high and low potential soils and environments. Good ratooning. Intermediate millability.	Low RV%, profuse flowering and lodging. Very high colour.

YIELD AND QUALITY	
Tons RV	All environments - 118% of N41, 125% of N39, 119% of N55 High potential soil – 121% of N41, 133% of N39, 119% of N55 Average to low potential soil - 112% of N41, 112% of N39, 116% of N55
Cane yield	All environments - 129% of N41, 136% of N39, 137% of N55 High potential soil – 133% of N41, 148% of N39, 137% of N55 Average to low potential soil - 123% of N41, 122% of N39, 137% of N55
RV content	All environments - 92% of N41, 93% of N39, 89% of N55 High potential soil – 91% of N41, 90% of N39, 88% of N55 Average to low potential soil - 94% of N41, 97% of N39, 90% of N55
Fibre content	110% of N41, 106% of N39, 98% of N55
Purity	99% of N41, 99% of N39, 97% of N55
The results are from high and average to low potential soils where the variety produced high RV yields. The trials were grown through drought years where the variety produced higher cane and sugar yields.	

REACTION TO DISEASES AND PESTS	
Smut	Resistant
Mosaic	Intermediate resistant
Brown rust	Resistant
Tawny rust	Resistant
Eldana	Intermediate
Intermediate susceptibility to eldana - do not extend the harvesting age or carryover in soils and areas that are prone to stress and eldana	

AGRONOMIC CHARACTERISTICS	
Germination	Good
Stalk population	110% of N41
Stalk height	107% of N41
Stalk diameter	95% of N41
Canopy	Good
Flowering	Profuse
Lodging	High
Ratooning	Good

MILLING CHARACTERISTICS	
Colour	High colour. Higher colour than N39, N41, NCo376
Processability	Intermediate millability characteristics. High percolation rate. Similar percolation rate to N39, NCo376, better than N41. Density lower than N39 and N41 but higher than NCo376.

## RECOMMENDATION

11T0879 is **RECOMMENDED** for bulking and gazetting as N76 for planting and harvesting in rainfed conditions on a short cutting cycle. Regions for gazetting include Mkuze, Umfolozi, Felixton, Amatikulu, North Coast, Sezela and Umzimkulu.

When released to these regions there should be a note addressed to growers that this variety would need to be managed and monitored for eldana.

Initial milling tests indicate that high colour might be a concern with this variety.

**October 2020**