

# Variety N77

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
High cane yield, RV% and Tons RV on average and high potential soils. Significant yield advantage on average potential soils. Good ratooning ability. Good pest and disease tolerance. Acceptable colour.

LIMITING FEATURES
Profuse flowering and lodging. Poor millability compared to control varieties.

YIELD AND QUALITY	
Tons RV	All environments - 115% of N41, 121% of N39, 116% of N55 High potential soils – 108% of N41, 119% of N39, 106% of N55 Average to low potential soils - 125% of N41, 125% of N39, 129% of N55
Cane yield	All environments - 120% of N41, 127% of N39, 127% of N55 High potential soils – 113% of N41, 126% of N39, 116% of N55 Average to low potential - 129% of N41, 128% of N39, 144% of N55
RV content	All environments - 96% of N41, 97% of N39, 93% of N55 High potential soils – 95% of N41, 94% of N39, 92% of N55 Average to low potential soils - 97% of N41, 100% of N39, 93% of N55
Fibre content	115% of N41, 110% of N39, 102% of N55
Purity	101% of N41, 100% of N39, 99% of N55
The results are from trials in high and average to low potential soils. The trials were grown during some drought years and the variety produced high cane and RV yields during drought and normal rainfall years.	

REACTION TO DISEASES AND PESTS	
Smut	Intermediate resistant
Mosaic	Resistant
Brown rust	Resistant

Tawny rust	Resistant
Eldana	Resistant
Very good pest and disease tolerance	

AGRONOMIC CHARACTERISTICS	
Germination	Good
Stalk population	117% of N41
Stalk height	107% of N41
Stalk diameter	92% of N41
Canopy	Good
Flowering	Profuse
Lodging	High
Ratooning	Good

MILLING CHARACTERISTICS	
Colour	Intermediate colour. Similar to N41, higher than N39 and NCo376
Processability	Poor millability. Lower percolation rates and higher density values than N39, N41, NCo376.

## RECOMMENDATION

11T1527 is **RECOMMENDED** for bulking and gazetting as N77 for planting and harvesting in coastal, rainfed areas on a short cutting cycle. Regions for gazetting include Mkuze, Umfolozi, Felixton, Amatikulu, North Coast, Sezela and Umzimkulu.

Initial milling tests indicate that processability could be a problem with this variety.