



Information Sheet

13. VARIETIES

13.31 Variety N46

Previously 97F2857. Parents N25 x MO (Group of different males – identity of male parent is unknown). Selected in the Irrigated region from trials at Pongola, Komati and Malelane.

BEST FEATURES

N46 performed well when harvested at the end of the season. Good disease resistance and low juice colour.

LIMITING FEATURES

May be sensitive to water stress. Yields were poor in one trial in Mpumalanga where irrigation was limited.

YIELD AND QUALITY

Tons RV	Moderate to high. 112% of N19, 101% of N25
Cane yield	Moderate. 110% of N19, 95% of N25
RV content	Moderate. 103% of N19, 107% of N25
Fibre content	Moderate. 95% of N19, 108% of N25
Purity	Moderate. Similar to N19 and N25

Yields have been higher than other varieties when harvested later in the season. Cane yields have been consistent across plant cane and three ratoon crops.

REACTION TO DISEASES AND PESTS

Smut	Intermediate-resistant
Mosaic	Resistant
Rust	Intermediate
Leaf scald	Resistant
Eldana	Intermediate
N46 has a good disease and pest resistance profile, with better smut resistance than N25.	

AGRONOMIC CHARACTERISTICS

Germination	Fast
Stalk Population	High
Stalk Height	Tall
Canopy	Good
Flowering	Rare
Lodging	Can lodge at high tonnage
Ratooning	Good

N46 shares similar agronomic characteristics with its parent, N25. It germinates and canopies well, and has a high population of tall stalks. Because of this, it may lodge when cane yield is high.

MILLING CHARACTERISTICS

Colour	Low
Pith:Fibre ratio (Low ratio is desirable)	Average. Lower than N25 and N32
N46 shows good milling characteristics. It has the lowest colour of irrigated varieties tested in comparative trials (N19, N25, N32, N36 and N41), and lower pith content than N25, N32 and N41.	

October 2007

Copyright subsists in this work. No part of this work may be reproduced in any form or by any means without the publisher's written permission. Whilst every effort has been made to ensure that the information published in this work is accurate, SASRI takes no responsibility for any loss or damage suffered by any person as a result of the reliance upon the information contained herein.