



Information Sheet

2006

13. VARIETIES

13.2 Variety CP66/1043

INTRODUCTION

CP66/1043 was imported from Canal Point in Florida, USA and is one of only very few imported varieties that has done well under South African conditions. CP66/1043 is very profitable for growers that are far from the mill. The sucrose yields on fields subjected to water stress have been disappointing. It is recommended only for good irrigated conditions where it can be harvested during the first few weeks of the milling season when the quality of other varieties is low.

Origin: USDA, Canal Point, USA

Year of release: 1987

Variety Code: CP66/1043

Parentage: CP52/1 x CP57/614 (bred in Florida, USA)

CANE QUALITY & YIELD

Tons RV: High on well irrigated, well drained soils when harvested in the early season.

Cane yield: Low (lower than N14, N19 & NCo376)

RV content: Exceptionally high during first weeks of milling season

Fibre content: Low

Purity: High

Fibre:sucrose ratio: Low

Non-sucrose:sucrose ratio: Low

AGRONOMIC CHARACTERISTICS

Germination (speed and reliability): Rapid and reliable

Stalk population (at harvest): Low: 92 000/ha

Stalk mass (at harvest): High

Stalk height (at harvest): Average

Stalk elongation: Moderately rapid

Canopy formation: Moderately rapid

Flowering: Sparse

Lodging: Moderate to severe

Ratooning ability (speed and reliability): Moderate speed and ratooning ability

REACTION TO DISEASES & PESTS

Smut: Resistant

Mosaic: Resistant

RSD: Susceptible

Rust: Resistant

Eldana: Intermediate-susceptible

REACTION TO WATER STRESS

Growth during severe water stress: Poor

Recovery after water stress: Poor

Ratooning after drought: Poor

Poorly drained soils: Unknown

Salinity tolerance: Sensitive

RIPENER RECOMMENDATIONS

Fusilade Forte, Ground rigs (250 ml/ha), Aerial (275 ml/ha): Yes

Ethephon (1.5 l/ha): No

Gallant Super: No data

Tandem (Ethephon + Fusilade Forte): No

HARVESTING

Best months: Apr-Jun

BEST FEATURES

CP66/1043 has a very high sucrose content early in the season. It is resistant to smut and mosaic.

LIMITING FEATURES

CP66/1043 requires excellent growing conditions. It may lodge severely. Generally this variety does not ratoon well. It is susceptible to yellow leaf syndrome. Avoid carrying over in severe stress conditions and in areas where eldana is a problem.

All variety information sheets are available at <http://www.sugar.org.za/sasri/variety/index.htm>

Irrigated

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South African Sugarcane Research Institute



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