



Information Sheet

Variety N74

Introduction

Recommended and bred for humic soils on a longer cutting cycle of 18 to 24 months in the Midlands and can also do well in the coast and hinterland areas on a 12 -15 months cycle.

Best features

Recommended and bred for hinterland and midlands regions under a wide range of soil conditions and on a longer harvesting cycle (18 to 24 months) and can do well on a 12-15 months cutting cycle. High cane and RV yields on a wide range of soils. Good canopy formation. Less prone to lodging. Good ratooning ability. Good pest and disease ratings.

Limiting features

None identified at this stage.

Yield & quality



The performance of a variety will vary under different conditions and levels of management. For refined yield and quality information, please consult the SASRI Variety Guide at www.sasri.org.za/varietyguide, where you will be able to rank this variety against others of your choice based on your specific area, irrigation regime, cutting cycle, soil potential and time of harvest.



Management Factors

| | | | |
|-------------------------------|-----|----|---------|
| EARLY SEASON HARVEST | YES | NO | |
| MID-SEASON HARVEST | YES | NO | |
| LATE SEASON HARVEST | YES | NO | |
| SUITABILITY FOR CARRYOVER | YES | NO | |
| SUITABILITY FOR FROST POCKETS | YES | NO | UNKNOWN |



Soil Potential

| | | |
|-------------------|-----|----|
| LOW POTENTIAL | YES | NO |
| AVERAGE POTENTIAL | YES | NO |
| HIGH POTENTIAL | YES | NO |



Agronomic Characteristics

| | | | | |
|----------------------------|--------|----------|---------|---------|
| GERMINATION ABILITY | FAST | MODERATE | SLOW | |
| CANOPY DEVELOPMENT | FAST | MODERATE | SLOW | |
| STALK POPULATION | HIGH | MODERATE | LOW | |
| STALK HEIGHT | TALL | MODERATE | SHORT | |
| FLOWERING | SPARSE | MODERATE | PROFUSE | |
| LODGING | ERECT | AVERAGE | SEVERE | |
| TOLERANCE TO WATER STRESS | GOOD | MODERATE | POOR | UNKNOWN |
| TOLERANCE TO WATER LOGGING | GOOD | MODERATE | POOR | UNKNOWN |



Response to Ripeners

| | | | | |
|--|--------------------|-------------|-----------------|---------|
| ETHEPHON (and generics) | HIGHLY RECOMMENDED | RECOMMENDED | NOT RECOMMENDED | UNKNOWN |
| FUSILADE (and generics) | HIGHLY RECOMMENDED | RECOMMENDED | NOT RECOMMENDED | UNKNOWN |
| COMBO ETHEPHON + FUSILADE (and generics) | HIGHLY RECOMMENDED | RECOMMENDED | NOT RECOMMENDED | UNKNOWN |
| MODDUS | HIGHLY RECOMMENDED | RECOMMENDED | NOT RECOMMENDED | UNKNOWN |
| COMBO MODDUS + FUSILADE (and generics) | HIGHLY RECOMMENDED | RECOMMENDED | NOT RECOMMENDED | UNKNOWN |



Reaction to Pests & Diseases

| | | | | | | | | |
|--------------------|------------------|-----------|------------------------|--------------|--------------------------|-------------|--------------------|---------|
| SMUT | HIGHLY RESISTANT | RESISTANT | INTERMEDIATE RESISTANT | INTERMEDIATE | INTERMEDIATE SUSCEPTIBLE | SUSCEPTIBLE | HIGHLY SUSCEPTIBLE | |
| MOSAIC | HIGHLY RESISTANT | RESISTANT | INTERMEDIATE RESISTANT | INTERMEDIATE | INTERMEDIATE SUSCEPTIBLE | SUSCEPTIBLE | HIGHLY SUSCEPTIBLE | |
| BROWN RUST | HIGHLY RESISTANT | RESISTANT | INTERMEDIATE RESISTANT | INTERMEDIATE | INTERMEDIATE SUSCEPTIBLE | SUSCEPTIBLE | HIGHLY SUSCEPTIBLE | UNKNOWN |
| TAWNY RUST | HIGHLY RESISTANT | RESISTANT | INTERMEDIATE RESISTANT | INTERMEDIATE | INTERMEDIATE SUSCEPTIBLE | SUSCEPTIBLE | HIGHLY SUSCEPTIBLE | UNKNOWN |
| ELDANA | HIGHLY RESISTANT | RESISTANT | INTERMEDIATE RESISTANT | INTERMEDIATE | INTERMEDIATE SUSCEPTIBLE | SUSCEPTIBLE | HIGHLY SUSCEPTIBLE | |
| THRIPS LEAF DAMAGE | LESS | MODERATE | MORE | UNKNOWN | | | | |
| YSA LEAF DAMAGE | LESS | MODERATE | MORE | UNKNOWN | | | | |



Milling Characteristics

| | | | | | | | |
|----------------|-----------|------|------------|----------|-------------|---------|-----------|
| FIBRE CONTENT | VERY LOW | LOW | LOW TO MOD | MODERATE | MOD TO HIGH | HIGH | VERY HIGH |
| COLOUR | VERY LOW | LOW | ACCEPTABLE | HIGH | VERY HIGH | | |
| PROCESSABILITY | VERY GOOD | GOOD | ACCEPTABLE | POOR | VERY POOR | UNKNOWN | |

N74 Identification Guide

Habit and General Appearance

Upright and densely populated thick stalks

Leaf

Blade: Medium width, upright with droopy tips

Sheath: Strong adherence to the stalk, Reddish purple colour tint, heavily covered with wax, has profuse soft fine hairs

Collar: Indistinct, similar to the sheath in colour, medium in size

Auricle: Present and very distinct but only one side, long in size

Stalk

Internode

Appearance: Slight zigzag at the bottom, internodes are thick at the base and thinner in the middle. The stalk is heavily covered with wax.

Wax band: Thick wax layer but indistinct because it blends with the heavily waxed stalk

Bud furrow: Present and long but not very deep

Node

Growth ring: Flat, similar colour to stalk colour, medium in size

Root band: Few primordia, very flat in younger nodes and raised in older nodes

Sheath scar: Slightly raised with a clean detachment of the sheath

Bud: Oval in shape and is within the root band, older buds have a reddish purple colour stripe on the centre whereas younger buds have a slight indentation in the

Flange: Distinct and thick



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