



OPEN POLLINATED GRAIN SORGHUM

MACIA

Open Pollinated, White Grained

MACIA is a white grained, open pollinated variety from ICRISAT. It is a medium maturity variety with good disease tolerance and can be grown throughout the country, but particularly in areas where maize is a high risk crop

Sorghum has a high drought tolerance and is likely to produce a crop even in years of less than average rainfall. MACIA produces very uniform robust plants with bold compact heads. The plants are shorter than SV2.

Scientific Information:

Open pollinated (pure line) variety selected from pedigree M91057 (SDS3220)

Height: Dwarf – Semi-dwarf 1.3 – 1.5m with thick stem

Colour: Tan plant

Leaf Shape: Broad and drooping, stays green at maturity and after harvest.

Head/ panicle shape and size: Semi-compact, large and bulbous

Head/ panicle exertion: Good, 10 – 15cm.

Tillering: Mostly does not tiller, average 1.2 tillers per plant

Maturity: Early to Medium maturing 60 – 65 days to 65% heading and 115 – 120 days to maturity.

Grain Characteristics:

Colour: Creamy White

Grain Size: Medium

Grain Texture: Corneous and hard, 3.8 out of 5.0 (hardest score on scale 1.0 – 5.0)

Glume Colour: Straw, inconspicuous in size, easily threshable.

Testa (seed coat): Absent

Tannin content: Absent 0.0

Milling: Excellent milling quality, 80% flour yield, white flour.

Adaptation: Drought Resistant, adapted to loam, sandy loams and sandy soils in short season areas (→100 days) with average 250 – 750mm rainfall. Resistant to aphids and common leaf diseases.

Yield Potential: 3.0 to 6.0 tonnes / ha

Utilisation:

Dual purpose of grain and crop residue for:

- Food in porridge;

- Food in bread as composite flour (20% sorghum: 80% wheat)

- Animal feed in poultry as grain, livestock

