

# Technology leaflet: Sorghum variety CSM 219E

From the Cinzana Research Station, Mali

## Origin

variety (CSM-63E) of Guinea type originating from Mali

## Morphologic features

*Plant height* 2.10- 2.30 m *Tillering* poor *Ear form* pendant (goose-neck) *Ear exertion* good *Ear compaction* loose *Seed coat tannin* absent *Grain color* white *Grain weight* 20 - 22 g per 1000 grains

## Agronomic features

*Time to maturity* 105 days *Daylength response* slightly sensitive *Seedling vigor* good

## Processing features

*Endosperm* vitreous *Consistency tô* good *Color tô* whitish to grayish

## Susceptibility

*Diseases* tolerant to long smut and grain mould, resistant to charcoal rot *Pests* tolerant *Weeds* susceptible to Striga

## Performance

*Potential yield* 2.5 t/ha *Farmer's yield* 1.6 t/ha

## Application

area with annual rainfall between 400 and 800 mm

## Recommended practices

*Soil preparation* ridging at the start of the rainy season

*Sowing* optimum sowing period: 20 June - 10 July, sowing at 0.75 x 0.50 m (15 kg/ha), thinning at 1 or 2 plants per hole (26,700 pl/ha)

*Fertilization* 100 kg/ha bulk fertilizer (15-15-15) at sowing and 50 kg/ha urea at thinning

*Precedent crops* legumes or fallow