

Technology leaflet: Millet variety Guéfouè 16

From the Cinzana Research Station, Mali

Origin

recombination of the best progeny lines (S1) of selfed plants from the population Toroniou collected at Ningari (CMM 156), Bandiagara rift

Morphologic features

Plant height 2.5 - 3 m *Tillering* abundant *Ear form* cylindrical *Ear size* 30 - 35 cm *Compaction* very compact *Grain color* yellow gray *Grain weight* 9 - 10 g per 1000 grains

Agronomic features

Time to flowering 65 - 70 days *Daylength response* sensitive *Seedling vigor* good

Processing features

Endosperm moderately vitreous *Consistency* t^o good

Susceptibility

Diseases tolerant to downy mildew and smut *Pests* resistant to earworm *Weeds* susceptible to Striga

Performance

Potential yield 1.5 - 2.0 t/ha *Farmer's yield* 1.1 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 0.80 x 0.80 m (6 kg/ha), thinning at 2 plants per hole (31,250 pl/ha)

Fertilization 4 to 8 t/ha farm yard manure or 100 kg/ha

ammonium phosphate at emergence, 50 kg/ha urea at heading

Precedent crops legumes or fallow