

Technology leaflet: Millet variety Toroniou C1

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

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

Agronomic features

<i>Time to flowering</i>	65 - 70 days
<i>Daylength response</i>	sensitive
<i>Seedling vigor</i>	good

Processing features

<i>Endosperm</i>	moderately vitreous
<i>Consistency t\hat{o}</i>	good

Susceptibility

<i>Diseases</i>	tolerant to downy mildew and smut
<i>Pests</i>	resistant to earworm
<i>Weeds</i>	susceptible to Striga

Performance	<i>Potential yield</i>	1.5 - 2.0 t/ha
	<i>Farmer's yield</i>	1.1 t/ha

Application area with annual rainfall between 400 and 800 mm

Recommended practices	<i>Soil preparation</i>	ridging at the start of the rainy season
	<i>Sowing</i>	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)
	<i>Fertilization</i>	4 to 8 t/ha farm yard manure or 100 kg/ha ammonium phosphate at emergence, 50 kg/ha urea at heading
	<i>Precedent crops</i>	legumes or fallow