

Plant		Foxtail millet		433	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Leaf sheath color	Block	Observation	3:Green 4:Slightly pale red 5:Pale red 6:Red 7:Purple		Observe between germination and the second leaf stage
2	Heading time	Block	Observation	date		Date when 40-50% panicles emerge
3	Culm thickness	Block	Observation	3:Thin 5:Intermediate 7:Thick		Observe at maturity
4	Maturity	Block	Observation	date		Date when the first internode turns yellowish and endosperm becomes as hard as wax
5	Growth period	Block	Calculation	(integer)		Number of days from sowing to maturity
6	Panicle shape	Block	Observation	2:Whip shape 3:Cylindrical 4:Spindle 5:Conical 6:Spear 7:Cat foot 8:Bird foot		Investigate at maturity
7	Culm length	10 plants	Measurement	cm (integer)		Length from ground to the neck of a panicle on the longest culm of a plant at maturity
8	Panicle length	10 plants	Measurement	cm (integer)		Length from the neck to the tip of a panicle on the longest culm at maturity
9	Number of panicles	10 plants	Measurement	(integer)		Investigate at maturity
10	Caryopsis shape	20 grains	Observation	2:Round 5:Intermediate 8:Elliptic		Mature grains with lemma and palea
11	Color of lemma and palea	Block	Observation	1:Pale yellow 2:Yellow 3:Yellowish brown 4:Brown 5:Reddish brown 6:Orange 7:Dark brown 8:Black mottled 9:Black		

Plant		Foxtail millet		433	Primary optional character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Flag leaf time	Block	Observation	date		Date when whole leaves emerge on 40-50% of culm
2	Flowering time	Block	Observation	date		Date when 40-50% of panicles start to flower
3	Flag leaf length	10 plants	Measurement	cm (round to the 1st decimal place)		On the main (tallest) culm
4	Flag leaf width	10 plants	Measurement	mm (integer)		On the main (tallest) culm
5	Number of tillers	10 plants	Measurement	(integer)		
6	Number of higher branches on the main culm	10 plants	Measurement	(integer)		
7	Bristle length	Block	Observation	3:Short 5:Intermediate 7:Long		At maturity
8	1000-grain weight	Block	Measurement	g (round to the 2nd decimal place)		
9	Hulled grain color	Block	Observation	3:White 5:Yellowish white 7:Yellow		
10	Polished grain color	Block	Observation	3:White 5:Yellowish white 7:Yellow		
11	Endosperm	50 grains	Observation	2:Non-waxy 5:Intermediate 8:Waxy		
12	Phenol color reaction	10 grains	Observation	0:Negative 9:Positive		
13	Length of grain	10 grains	Measurement	mm (round to the 1st decimal place)		
14	Width of grain	10 grains	Measurement	mm (round to the 1st decimal place)		

Plant		Foxtail millet		433	Secondary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Lodging tolerance	Block	Observation	3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High		
2	Downy mildew resistance	Block	Observation	3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High		
3	Resistance to German millet stem maggot	Block	Observation	3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High		

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No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Blast resistance	Block	Observation	3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High	
2	Viviparity	Block	Observation	3:Low 5:Intermediate 7:High	

Plant		Foxtail millet		433	Tertiary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Grain yield	Block	Measurement	kg/a (round to the 1st decimal place)		Average weight of grains with lemmata and paleae (calculated assuming water content of 12.5%) per a (100 square meters) estimated from a plot of about 3 square meters
2	Shattering habit	Block	Observation	3:Easy 5:Intermediate 7:Difficult		
3	Hullability	Block	Observation	3:Easy 5:Intermediate 7:Difficult		
4	Hulling ratio	100 g	Measurement	% (round to the 1st decimal place)		

Plant	Foxtail millet		433	Tertiary optional character	
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Total dry matter weight	Block	Measurement	kg/a (round to the 1st decimal place)	