

Plant		Barnyard millet		435	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Heading time	Block	Observation	date		Date when 40-50 % panicles emerge
2	Attitude of tillers	Block	Observation	2:Decumbent 5:Intermediate 8:Erect		At the heading time
3	Stigma color	Block	Observation	2:White 5:Pale purple 8:Purple		At the flowering time
4	Maturity	Block	Observation	date		Date when the first internode turns to yellowish and endosperm becomes as hard as wax
5	Panicle shape	Block	Observation	2:Cylindrical 4:Pyramidal 6:Short pyramidal 8:Long pyramidal		At maturity
6	Culm length	10 plants	Measurement	cm (integer)		Length from the ground to the neck of the panicle on the longest culm of a plant at maturity
7	Panicle length	10 plants	Measurement	cm (integer)		Length from the neck to the tip of a panicle on the longest culm of a plant at maturity
8	Number of panicles	10 plants	Measurement	(integer)		
9	Caryopsis shape	Block	Observation	2:Round 5:Short ellipsoidal 8:Ellipsoidal		At maturity
10	Glume color of immature grains	Block	Observation	2:Green 8:Tinted red		Before maturity
11	Unhulled color	Block	Observation	3:Pale yellow brown 5:Yellow brown 7:Dark yellow brown		Pigmentation on grayish blue color
12	Panicle color	Block	Observation	3:White 5:Yellowish brown 7:Brown		

Plant		Barnyard millet		435	Primary optional character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Flag leaf time	Block	Observation	date		Date when flag leaves completely emerge on 40-50% of culms
2	Flowering time	Block	Observation	date		Date when 40-50 % panicles start to flower
3	Culm thickness	Block	Observation	3:Thin 5:Intermediate 7:Thick		At maturity
4	Number of tillers	10 plants	Measurement	(integer)		
5	Length of awn	Block	Observation	0:None 2:Short 4:Intermediate 6:Long		At maturity
6	1000-grain weight	Block	Measurement	g (round to the 2nd decimal place)		
7	Hulled grain color	Block	Observation	3:White 5:Yellowish white 7:Yellow		
8	Milling grain color	Block	Observation	3:White 5:Yellowish white 7:Yellow		

Plant		Barnyard millet		435	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	Blast resistance	Block	Observation	3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High		
3	Smut resistance	Block	Observation	3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High		

Plant		Barnyard millet		435	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 glumes (calculated as the water content of 12.5%) per a (100 square meters) estimated from a plot of more than 3 square meters
2	One-liter grain weight	Block	Measurement	g (integer)		Average weight of one-liter of grains with glumes
3	Hulling ratio	100 g	Measurement	% (round to the 1st decimal place)		
4	Ease of hulling	Block	Observation	3:Easy 5:Intermediate 7:Difficult		

Plant	Barnyard millet		435	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)	