	Plant	Cowpea		476		Primary essential character	

No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Growth habit	5 plants	Observation	1:Determinate (dwarf) 4:Determinate (bush) 7:Indeterminate (climbing)	Based on presence/absence of flower stalk at main stem end
2	Plant height (for determinate-type accessions)	5 plants	Measurement	cm (integer)	Measure the length of main stem from ground to the highest node
3	Number of nodes on main stem (for determinate-type accessions)	20 plants	Measurement	nodes (round to the 1st decimal place)	Record the number of nodes from unifoliate node to the highest node on main stem
4	Number of branches per plant	20 plants	Measurement	branches per plant (round to the 1st decimal place)	Record the number of branches with at least two nodes
5	Date of flowering	Block	Observation	date	Record the date when 50% of plants in a block reach the first flowering stage
6	Corolla color	Block	Observation	1:White 2:Yellowish white 3:Light reddish purple 4:Red 5:Reddish purple	Record on the day when flowers opened
7	Pod length	10 pods	Measurement	cm (integer)	Record at an appropriate stage for harvesting as vegetables and at maturity for harvesting seeds
8	Pod width	10 pods	Measurement	cm (round to the 1st decimal place)	Measure the thickest part of pod at an appropriate stage for harvesting as vegetables and at maturity for harvesting seeds
9	Immature pod color	Block	Observation	1:Light green 3:Green 5:Dark green 7:Reddish purple	Record at auxesis stage of seeds
10	Number of seeds per pod	10 pods	Measurement	seeds (round to the 1st decimal place)	Count by touching pod with fingers
11	100 seed weight	100 seeds, 2 replications	Measurement	g (round to the 1st decimal place)	Use 100 air-dried seeds (no more than 16% water content) with two replications

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No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
12	Seed coat color	Block	Observation	1:White 2:Yellowish white 3:Yellow 4:Light brown 5:Dark brown 6:Brown 7:Reddish purple 8:Purple 9:Black	Record at maturity
13	Hilum ring color	Block	Observation	0:Absent 5:Brown 8:Purple 9:Black	Record the color of patterns around hilum
14	Color of mottles on seed coat	Block	Observation	3:Brown 5:Dark brown 8:Purple 9:Black	Record at maturity
15	Mottles on seed coat	Block	Observation	0:Absent 2:Mottles on seed surface 4:Mottles only around hilum	Record at maturity