

Plant		Egg plant		445	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Size of leaf blade	10 plants	Measurement	cm (round to the 1st decimal place)		Length from leaf base to leaf apex in the largest leaf at the first flowering stage
2	Leaf lobation	10 plants	Measurement	cm (round to the 1st decimal place)		Depth of lobation in the largest leaf
3	Time of beginning of flowering	10 plants	Observation	3:Early 5:Medium 7:Late 9:Extremely late		Date of the first flowering
4	Intensity of purple color of flower	10 plants	Observation	1:White 3:Light purple 5:Purple 7:Dark purple		Color of the typical flower
5	Branching angle	10 plants	Measurement	(integer)		Angle of the lender shoot and the lateral shoot below the first flower
6	Number of flowers	10 plants	Measurement	(integer)		Mean number of flowers at the second and third clusters
7	Mature fruit length	10 fruits	Measurement	cm (round to the 1st decimal place)		Length of the typical mature fruit with fruit calyx
8	General shape of fruit	10 fruits	Observation	1:Flattened 2:Globular 3:Ovate 4:Obovate 5:Pear shaped 6:Club shaped 7:Ellipsoid 8:Cylindrical		Shape of typical fruits at harvest time
9	Main color of fruit skin	10 fruits	Observation	1:White 2:Green 3:Violet		Color of typical fruits at harvest time
10	Intensity of anthocyanin coloration underneath calyx	10 fruits	Observation	1:White 3:Green 5:Purple-Red 7:Purple-Black		Fruit color covered by fruit calyx of typical fruits at harvest time
11	Intensity of anthocyanin coloration of hypocotyl of seedling	10 plants	Observation	0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong		At cotyledonary stage

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12	Growth habit of plant	10 plants	Observation	1:Erect 3:Semi-erect 5:Horizontal		At harvest time
13	Ratio length/maximum diameter of fruit	10 fruits	Measurement	(round to the 2nd decimal place)		Typical fruits at harvest time
14	Prominence of stripes of fruit	10 fruits	Observation	0:Absent 3:Weak 5:Medium 7:Strong		Typical fruits at harvest time
15	Ribs of fruit	10 fruits	Observation	0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong		Typical fruits at harvest time
16	Color of flesh	10 fruits	Observation	1:Whitish 2:Greenish		Typical fruits at harvest time

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No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Plant height	10 plants	Observation	1:Very short 3:Short 5:Medium 7:Tall 9:Very tall		Height (cm) of the typical plants at harvest time
2	Plant branching	10 plants	Observation	1:Extremely weak 3:Weak 5:Intermediate 7:Strong 9:Extremely strong		Number of branches per typical plants at harvest time
3	Stem thickness	10 plants	Observation	1:Extremely thin 3:Thin 5:Intermediate 7:Thick 9:Extremely thick		Stem thickness of typical plants at harvest time
4	Anthocyanin coloration of stem	10 plants	Observation	1:Absent 9:Present		Typical plants at harvest time
5	Intensity of anthocyanin coloration of stem	10 plants	Observation	1:Very light 3:Light 5:Medium 7:Strong 9:Very strong		Color of stem apex on typical plant at harvest time
6	Pubescence on stem	10 plants	Observation	0:Absent 3:Weak 5:Medium 7:Strong		Degree of pubescence on stems of typical plants at harvest time
7	Leaf shape	10 plants	Observation	1:Extremely narrow 3:Narrow 5:Intermediate 7:Broad 9:Extremely wide		The largest leaf of typical plants at the first flowering time
8	Sinuation of margin of leaf blade	10 plants	Observation	0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong		The largest leaf of typical plants at the first flowering time
9	Size of pistil scar	10 plants	Observation	1:Very small 3:Small 5:Medium 7:Large 9:Very large		Size of pistil scar of typical fruits at harvest time
10	Shape of fruit apex	10 plants	Observation	1:Indented 2:Flattened 3:Rounded 4:Protruded		Shape of apex of typical fruits at harvest time
11	Patches of fruit skin	10 plants	Observation	0:Absent 9:Present		At harvest time
12	Intensity of main color of fruit skin	10 plants	Observation	1:Very light 3:Light 5:Medium 7:Strong 9:Very strong		Typical fruits at harvest time

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No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
13	Glossiness of fruit	10 plants	Observation	3:Weak 5:Medium 7:Strong		Glossiness of fruit under bad conditions such as high temperature or drought
14	Intensity of anthocyanin coloration of calyx	10 plants	Observation	0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong		Typical fruits at harvest time
15	Size of calyx	10 plants	Observation	1:Very small 3:Small 5:Medium 7:Large 9:Very large		Calyx size of typical fruit at harvest time
16	Spininess of calyx	10 plants	Observation	1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong		Strength of spin on fruit calyx under relatively low temperature conditions
17	Shape of fruit calyx	10 plants	Observation	1:Normal 2:One side is longer than others		Shape of calyx of typical fruits at harvest time
18	Diameter of mature fruit	10 fruits	Measurement	cm (round to the 1st decimal place)		The maximum diameter of typical mature fruits
19	Weight of mature fruit	10 fruits	Measurement	gram (integer)		Weight of the typical mature fruits
20	Distance from cotyledons to the node of the first flower	10 plants	Measurement	cm (integer)		At the first flowering stage
21	Blistering of leaf blade	10 plants	Observation	0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong		At harvest time
22	Intensity of green color of leaf blade	10 plants	Observation	3:Light 5:Medium 7:Dark		At harvest time
23	Size of flower	10 flowers	Measurement	mm (integer)		At harvest time
24	Depth of indentation of pistil scar	10 fruits	Observation	0:Absent 1:Very shallow 3:Shallow 5:Medium 7:Deep 9:Very deep		Typical fruits at harvest time

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No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
25	Curvature of fruit (Only for varieties with cylindrical fruits)	10 fruits	Observation	0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong		Typical fruits at harvest time
26	Density of stripes of fruit	10 fruits	Observation	3: Sparse 5:Medium 7:Dense		Typical fruits at harvest time
27	Length of peduncle of fruit	10 fruits	Measurement	mm (integer)		Typical fruits at physiological ripeness
28	Creasing of calyx of fruit	10 fruits	Observation	0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong		Typical fruits at harvest time
29	Color of fruit skin at physiological ripeness	10 fruits	Observation	1:Yellow 2:Orange 3:Ochre 4:Brown		Typical fruits at physiological ripeness
30	Time of physiological ripeness	10 plants	Observation	3:Early 5:Medium 7:Late		Date of the physiological ripeness

Plant		Egg plant		445	Secondary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Resistance to bacterial wilt	20 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		Natural infection (or seedling inoculation)
2	Resistance to Fusarium wilt	20 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		Natural infection (or seedling inoculation)
3	Resistance to Verticillium wilt	20 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		Natural infection (or seedling inoculation)
4	Resistance to spider mite	20 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		Natural infection (or artificial inoculation)
5	Resistance to Thrips palmi	20 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		Natural infection (or artificial inoculation)

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1	Shelf life of fruits	20 fruits	Observation	1:Extremely short 3:Short 5:Intermediate 7:Long 9:Extremely long		
2	Ripening speed of seeds	20 plants	Observation	1:Extremely early 3:Early 5:Intermediate 7:Late 9:Extremely late		Degree of maturing of seeds in fruits
3	Heat tolerance	10 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		
4	Cold tolerance	10 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		
5	Low temperature growth of fruits	10 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		
6	Wet endurance	10 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		
7	Drought tolerance	10 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		
8	Tolerance to physiological disorder (Tolerance to Mg deficiency)	10 plants	Observation	1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high		

Plant	Egg plant		445	Tertiary optional character	
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Adaptability for processing (for pickles, etc.)	30 fruits	Sensory	1:Extremely poor 3:Poor 5:Intermediate 7:Good 9:Excellent	Evaluate after processing