

Plant		Egg plant		68(08005)	Primary essential character
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Leaf length	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 flowering	10 plants	Observation	1:Extremely early 2:Very early 3:Early 4:Slightly early 5:Intermediate 6:Slightly late 7:Late 8:Very late 9:Extremely late	Date of the first flowering
4	Flower color	10 plants	Observation	1:White 2:Light purple 3:Purple 4: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	Fruit shape	10 fruits	Observation	1:Flattened 2:Round 3:Egg-shaped 4:Long egg-shaped 5:Slightly elongated 6:Elongated 7:Extremely elongated	Shape of typical fruits
9	Fruit color	10 fruits	Observation	1:White 2:Green 3:Brown 4:Purple-Red 5:Purple-Black 6:Dark purple-Black	Color of typical fruits
10	Fruit color under calyx	10 fruits	Observation	1:White 3:Green 5:Purple-Red 7:Purple-Black	Fruit color covered by fruit calyx of typical fruits

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1	Plant height	10 plants	Observation	1:Extremely short 2:Very short 3:Short 4:Slightly short 5:Intermediate 6:Slightly tall 7:Tall 8:Very tall 9:Extremely tall		Height of the typical plant at harvest time
2	Plant breadth	10 plants	Observation	1:Extremely narrow 2:Very narrow 3:Narrow 4:Slightly narrow 5:Intermediate 6:Slightly broad 7:Wide 8:Very wide 9:Extremely wide		Breadth of typical plants at harvest time
3	Plant branching	10 plants	Observation	1:Extremely weak 2:Very weak 3:Weak 4:Slightly weak 5:Intermediate 6:Slightly strong 7:Strong 8:Very strong 9:Extremely strong		Number of branches per typical plants at harvest time
4	Internode length	10 plants	Observation	1:Extremely short 2:Very short 3:Short 4:Slightly short 5:Intermediate 6:Slightly long 7:Long 8:Very long 9:Extremely long		Internode length of typical plants at harvest time
5	Stem thickness	10 plants	Observation	1:Extremely thin 2:Very thin 3:Thin 4:Slightly thin 5:Intermediate 6:Slightly thick 7:Thick 8:Very thick 9:Extremely thick		Stem thickness of typical plants at harvest time
6	Stem color	10 plants	Observation	1:Green 9:Purple		Stem color of typical plants at harvest time
7	Depth of purple color on stem	10 plants	Observation	1:Extremely light 2:Very light 3:Light 4:Slightly light 5:Intermediate 6:Slightly dark 7:Dark 8:Very dark 9:Extremely dark		Color of stem apex on typical plant at harvest time
8	Pubescence on stem	10 plants	Observation	0:None 1:Almost none 2:Extremely little 3:Very little 4:Little 5:Intermediate 6:Some 7:Many 8:Very many 9:Abundant		Degree of pubescence on stems of typical plants at harvest time
9	Petiole length	10 plants	Observation	1:Extremely short 2:Very short 3:Short 4:Slightly short 5:Intermediate 6:Slightly long 7:Long 8:Very long 9:Extremely long		Petiole length of the largest leaf of typical plants at the first flowering time
10	Petiole thickness	10 plants	Observation	1:Extremely thin 2:Very thin 3:Thin 4:Slightly thin 5:Intermediate 6:Slightly thick 7:Thick 8:Very thick 9:Extremely thick		Petiole thickness of the largest leaf of typical plant at the first flowering time
11	Leaf width	10 plants	Measurement	cm (round to the 1st decimal place)		Leaf width of the largest leaf of typical plants at the first flowering time

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12	Leaf shape	10 plants	Observation	1:Extremely narrow 2:Very narrow 3:Narrow 4:Slightly narrow 5:Intermediate 6:Slightly broad 7:Broad 8:Very broad 9:Extremely broad		Leaf shape of the largest leaf of typical plant at the first flowering time
13	Undulation on leaf margin	10 plants	Observation	0:Absent 1:Almost none 2:Extremely slight 3:Very slight 4:Slight 5:Intermediate 6:Slightly pronounced 7:Pronounced 8:Very pronounced 9:Extremely pronounced		Degree of undulation on the marginal area of the largest leaf
14	Height of the first inflorescence	10 plants	Observation	1:Extremely short 2:Very short 3:Short 4:Slightly short 5:Intermediate 6:Slightly tall 7:Tall 8:Very tall 9:Extremely tall		Height of the first inflorescence of typical plants
15	Peduncle thickness	10 plants	Observation	1:Extremely thin 2:Very thin 3:Thin 4:Slightly thin 5:Intermediate 6:Slightly thick 7:Thick 8:Very thick 9:Extremely thick		Thickness of peduncle of typical plants at harvest time
16	Size of pistil scar	10 plants	Observation	1:Extremely small 2:Very small 3:Small 4:Slightly small 5:Intermediate 6:Slightly large 7:Large 8:Very large 9:Extremely large		Size of pistil scar of typical fruits at harvest time
17	Shape of fruit apex	10 plants	Observation	1:Flattened 2:Rounded 3:Protruded		Shape of apex of typical fruits at harvest time
18	Thickness of fruit base	10 plants	Observation	1:Extremely thin 2:Very thin 3:Thin 4:Slightly thin 5:Intermediate 6:Slightly thick 7:Thick 8:Very thick 9:Extremely thick		Thickness of base of typical fruits at harvest time
19	Fruit color distribution	10 plants	Observation	0:Absent 9:Present		Presence of mottles, nets or stripes on typical fruit surfaces at harvest time
20	Hue of purple color on fruit	10 plants	Observation	1:Extremely light 2:Very light 3:Light 4:Slightly light 5:Intermediate 6:Slightly dark 7:Dark 8:Very dark 9:Extremely dark		Hue of purple color on typical fruits at harvest time
21	Glossiness of fruit	10 plants	Observation	1:Extremely weak 2:Very weak 3:Weak 4:Slightly weak 5:Intermediate 6:Slightly strong 7:Strong 8:Very strong 9:Extremely strong		Glossiness of fruit under bad conditions such as high temperature or drought

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22	Hue of purple color on fruit calyx	10 plants	Observation	1:Extremely light 2:Very light 3:Light 4:Slightly light 5:Intermediate 6:Slightly dark 7:Dark 8:Very dark 9:Extremely dark	Hue of calyx purple color on typical fruits at harvest time
23	Size of fruit calyx	10 plants	Observation	1:Extremely small 2:Very small 3:Small 4:Slightly small 5:Intermediate 6:Slightly large 7:Large 8:Very large 9:Extremely large	Calyx size of typical fruit at harvest time
24	Strength of spin on fruit calyx	10 plants	Observation	1:Extremely weak 2:Very weak 3:Weak 4:Slightly weak 5:Intermediate 6:Slightly strong 7:Strong 8:Very strong 9:Extremely strong	Strength of spin on fruit calyx under relatively low temperature conditions
25	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
26	Skin toughness	10 plants	Observation	1:Extremely soft 2:Very soft 3:Soft 4:Slightly soft 5:Intermediate 6:Slightly hard 7:Hard 8:Very hard 9:Extremely hard	Toughness of pericarp of typical fruits at harvest time
27	Fruit flesh density	10 plants	Observation	1:Extremely loose 2:Very loose 3:Loose 4:Slightly loose 5:Intermediate 6:Slightly dense 7:Dense 8:Very dense 9:Extremely dense	Density of flesh of typical fruits at harvest time
28	Length of fruit at commercial ripeness	10 fruits	Measurement	cm (round to the 1st decimal place)	The longest length of typical fruits at commercial ripeness
29	Diameter of fruit at commercial ripeness	10 fruits	Measurement	cm (round to the 1st decimal place)	The maximum diameter of typical fruits at harvesting time
30	Diameter of mature fruit	10 fruits	Measurement	cm (round to the 1st decimal place)	The maximum diameter of typical mature fruits
31	Weight of mature fruit	10 fruits	Measurement	gram (integer)	Weight of the typical mature fruits
32	Number of seeds	5 fruits	Measurement	(integer)	Number of seeds per typical mature fruit

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33	Harvesting time	10 plants	Observation	1:Extremely early 2:Very early 3:Early 4:Slightly early 5:Intermediate 6:Slightly late 7:Late 8:Very late 9:Extremely late	Number of days from sowing till the season of harvesting

Plant		Egg plant		68(08005)	Secondary essential character
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1	Resistance to bacterial wilt	20 plants	Observation	1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high	Natural infection (or seedling inoculation)
2	Resistance to Fusarium wilt	20 plants	Observation	1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high	Natural infection (or seedling inoculation)
3	Resistance to verticilium wilt	20 plants	Observation	1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high	Natural infection (or seedling inoculation)
4	Resistance to spider mite	20 plants	Observation	1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high	Natural infection (or artificial inoculation)
5	Resistance to Thrips palmi	20 plants	Observation	1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high	Natural infection (or artificial inoculation)

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

Plant	Egg plant	68(08005)	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 2:Very poor 3:Poor 4:Slightly poor 5:Intermediate 6:Slightly good 7:Good 8:Very good 9:Excellent	Evaluate after processing