

Plant		Pea		84(08025)	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Vine type	10 plants	Observation	1:Very dwarf 3:Dwarf 5:Intermediate 7:Tall		Vine type at the full growing period
2	Branching type	10 plants	Observation	1:Lower branching 3:Lower and upper branching 5:Continuous branching		Branching type at the full growing period, 1:Branching at the basal node of main stem, 3:Branching at the basal node and at right below the first flower node of the stem, 5:Continuous branching from the basal node to upper node on main stem
3	Flowering date	10 plants	Observation	days (integer)		Days to flowering from sowing
4	Flower color	10 plants	Observation	1:White 3:Light red 5:Red 7:Dark red		
5	Pod length	10 plants	Measurement	cm (round to the 1st decimal place)		Pod length at time of harvest
6	Pod hardness	10 plants	Observation	3:Tender 4:Slightly tender 5:Intermediate 6:Slightly hard 7:Hard		Hardness of pod at harvesting stage for edible podded pea or snap pea
7	Number of ovules	10 plants	Measurement	(round to the 1st decimal place)		Number of ovules per pod at peak harvesting time
8	Seed color	10 plants	Observation	1:Yellowish white 2:Light olive 3:Light whitish brown 4:Brown		Color of dry matured seeds
9	Seed surface	10 plants	Observation	3:Wrinkled 5:Intermediate 7:Smooth		Surface of dry matured seeds
10	Seed shape	10 plants	Observation	1:Spherical 2:Partial-oval 3:Oval		Shape of dry matured seeds
11	Number of branches in the standard cropping season	10 plants	Measurement	(round to the 1st decimal place)		Number of effective branches in standard cropping season
12	Node of the first flower	10 plants	Measurement	(round to the 1st decimal place)		Number of leaves until the first flower node

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13	Leaflet size	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		Leaflet size of upper and lower leaves of the first flower node on the main stem
14	Pod width	10 plants	Measurement	cm (round to the 1st decimal place)		Pod width at the harvesting stage for edible podded peas, snap peas or green peas
15	Pod color	10 plants	Measurement	3:Light green 4:Slightly light green 5:Green 6:Slightly dark green 7:Dark green		Pod color at time of harvest
16	Fresh pod weight	10 plants	Measurement	g (round to the 1st decimal place)		Fresh pod weight at harvesting stage for edible podded peas, snap peas or green peas
17	Seed size	10 plants	Observation	mm (round to the 1st decimal place)		Seed size at harvesting stage for green pea
18	Greenness of seed	10 plants	Observation	3:Grayish green 4:Slightly grayish green 5:Green 6:Slightly dark green 7:Dark green		Degree of greenness of fresh seed at harvesting stage for green peas
19	1000 seed weight	10 plants	Measurement	g (integer)		Weight of dry matured seeds
20	Speckles on seed coat	10 plants	Observation	0:Absent 9:Present		Speckles on coats of dry matured seeds
21	Use	10 plants	Observation	1:Edible podded pea 2:Snap pea 3:Green pea 4:Other		

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1	Plant height	10 plants	Measurement	cm (round to the 1st decimal place)		
2	Internode length	10 plants	Measurement	cm (round to the 1st decimal place)		Average of 5 internodes length above and below the first flower node on main stem
3	Leaflet shape	10 plants	Observation	3:Partial oval 4:Slightly partial oval 5:Oval 6:Slightly long oval 7:Long oval		Leaflet shape above and below leaves of the first flower node of main stem
4	Number of leaflets	10 plants	Observation	1:2 pairs 2:3 pairs 3:4 pairs or more		Number of leaflets above and below leaves of the first flower node of main stem
5	Stipule size	10 plants	Observation	3:Small 4:Slightly small 5:Intermediate 6:Slightly large 7:Large		Grade of stipule size above and below leaves of the first flower node of main stem
6	Stipule shape	10 plants	Observation	2:Irregular elliptical 3:Spread elliptical		Grade of stipule size above and below leaves of the first flower node of main stem
7	Stipule apex shape	10 plants	Observation	2:Acute 4:Obtuse		Grade of stipule size above and below leaves of the first flower node of main stem
8	Stipule moire	10 plants	Observation	0:Absent 9:Present		Grade of stipule size above and below leaves of the first flower node of main stem
9	Leaf color	10 plants	Observation	3:Light green 4:Slightly light green 5:Green 6:Slightly dark green 7:Dark green		Leaf color above and below leaves of the first flower node of main stem
10	Leaf wax	10 plants	Observation	1:Almost none 2:Very little 3:Little 4:Somewhat little 5:Intermediate 6:Some 7:Much 8:Very much 9:Extremely abundant		Leaf wax above and below leaves of the first flower node of main stem
11	Stem thickness	10 plants	Observation	cm (round to the 1st decimal place)		Stem thickness above and below stem of the first flower node of main stem
12	Anthocyanin pigmentation of stem	10 plants	Observation	0:Absent 1:Extremely light 2:Very light 3:Light 4:Slightly light 5:Intermediate 6:Slightly deep 7:Deep 8:Very deep 9:Extremely deep		Anthocyanin pigmentation of stem in winter

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13	Flower size	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		
14	Number of flowers per inflorescence	10 plants	Observation	1:One 2:Two mix 3:Two mix 4:Two mix 5:Two 6:Three mix		Rate of two flowers, 2:up to 25%. 3:26-50%. 4:51% or more
15	Pod apex shape	10 plants	Observation	3:Obtuse 5:Intermediate 7:Acute		
16	Degree of curvature in pod	10 plants	Observation	1:Straight 2:Slightly curved 3:Strongly curved		
17	Anthocyanin pigmentation of pod	10 plants	Observation	1:Absent 2:Rarely occurs 3:Present		
18	Pod wax	10 plants	Observation	0:Absent 9:Present		
19	Tumor on the pod surface	10 plants	Observation	0:Absent 9:Present		
20	Fresh seed density	10 plants	Observation	3:Sparse 4:Slightly sparse 5:Intermediate 6:Slightly dense 7:Dense		Sparse:seeds separate from each other in pod, intermediate:seeds touch each other in pod, dense:seeds press against each other in the pod
21	100 fresh seed weight	10 plants	Measurement	g (integer)		
22	Fresh seed shape	10 plants	Observation	1:Spherical 2:Partial-oval 3:Oval		
23	Yield of fresh seeds	10 plants	Measurement	3:Low 5:Intermediate 7:High		Low:less than 45%, intermediate:45-55%, high:more than 55%
24	Specific gravity of fresh seeds	10 plants	Measurement	* (round to the 2nd decimal place)		

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25	Seed size	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 dry matured seeds
26	Speckle color of seed	10 plants	Observation	1:Purple 2:Light brown 3:Brown 9:Other	Speckle color of dry matured seeds
27	Hilum color of seed	10 plants	Observation	1:White 2:Black 9:Other	Hilum color of dry matured seeds

Plant		Pea		84(08025)	Secondary essential character
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Powdery mildew resistance	10 plants	Observation	0:None 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
2	Fusarium root rot resistance	10 plants	Observation	0:None 1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high	Evaluated by artificial inoculation of Fusarium solani

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1	Mosaic virus resistance	20 plants	Observation	0:None 1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high		Evaluated by artificial inoculation
2	Common pea wilt resistance	10 plants	Observation	0:None 1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high		
3	Mycosphaerella blight resistance	10 plants	Observation	0:None 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	Leaf spot resistance	10 plants	Observation	0:None 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	Aphid resistance	10 plants	Observation	0:None 1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high		Evaluated by artificial inoculation
6	Long tailed blue resistance	10 plants	Observation	0:None 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	Garden pea leaf miner resistance	10 plants	Observation	0:None 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	Cold hardiness	10 plants	Observation	3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High		

Plant	Pea	84(08025)	Tertiary optional character		
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Taste of edible podded peas	10 pods	Sensory	3:Poor 4:Slightly poor 5:Average 6:Good 7:Excellent	
2	Taste of green peas	10 grains	Sensory	3:Poor 4:Slightly poor 5:Average 6:Good 7:Excellent	