

Plant		Rose		92(09005)	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Flower stem length	5 stems	Measurement	0:<=14 cm 1:15-29 cm 2:30-44 cm 3:45-59 cm 4:60-74 cm 5:75-89 cm 6:90-104 cm 7:105-119 cm 8:120-134 cm 9:>=135 cm		Length of flower stem
2	Degree of leaf fall	1 plant	Observation	3:Low 5:Intermediate 7:High		Maximum degree of leaf fall
3	Leaf length	5 leaves	Measurement	1:<=2.9 cm 2:3.0-5.9 cm 3:6.0-8.9 cm 4:9.0-11.9 cm 5:12.0-14.9 cm 6:15.0-17.9 cm 7:18.0-20.9 cm 8:>=21.0 cm		Length of the longest leaf on flower stem
4	Leaf width	5 leaves	Measurement	0:<=0.9 cm 1:1.0-2.9 cm 2:3.0-4.9 cm 3:5.0-6.9 cm 4:7.0-8.9 cm 5:9.0-10.9 cm 6:11.0-12.9 cm 7:13.0-14.9 cm 8:15.0-16.9 cm 9:>=17.0 cm		Width of the widest leaf on flower stem
5	Number of leaflets	5 leaves	Measurement	1:1, 2 2:3, 4 3:5, 6 4:7, 8 5:9, 10 6:11, 12 7:13, 14 8:>=15		Number of leaflets of the leaf which has the most leaflets on flower stem
6	Flowering habit	1 plant	Observation	3:Once 5:Three times per year 7:Perpetual		
7	Number of flowers	5 shoots	Measurement	0:1 1:2, 3 2:4, 5 3:6-10 4:11-15 5:16-20 6:21-25 7:26-30 8:31-40 9:>=41		Number of flowers in a cluster
8	Flower diameter	5 flowers	Measurement	0:<=0.9 cm 1:1.0-2.9 cm 2:3.0-4.9 cm 3:5.0-6.9 cm 4:7.0-8.9 cm 5:9.0-10.9 cm 6:11.0-12.9 cm 7:13.0-14.9 cm 8:15.0-16.9 cm 9:>=17.0 cm		Maximum diameter in full bloom
9	Number of petals	5 flowers	Measurement	0:<=5 1:6-15 2:16-25 3:26-35 4:36-45 5:46-55 6:56-65 7:66-75 8:76-85 9:>=86		
10	Number of stamens	5 flowers	Measurement	0:<=20 1:21-50 2:51-80 3:81-110 4:111-140 5:141-170 6:171-200 7:201-230 8:231-260 9:>=261		
11	Number of ovules	5 flowers	Measurement	0:<=10 1:11-40 2:41-70 3:71-100 4:101-130 5:131-160 6:161-190 7:191-220 8:221-250 9:>=251		
12	Flower color	5 flowers	Observation			Color of upper side petal. Indicate the reference number of RHS color chart

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1	Plant habit	1 plant	Observation	1:Prostrate 3:Spreading 5:Intermediate 7:Upright		
2	Plant height	1 plant	Observation	3:Dwarf 5:Intermediate 7:Tall		
3	Vigor of upper bud	1 plant	Observation	3:Weak 5:Intermediate 7:Strong		
4	Vigor of basal bud	1 plant	Observation	3:Weak 5:Intermediate 7:Strong		
5	Growth habit	1 plant	Observation	3:Bush 5:Semi-climbing 7:Climbing		
6	Petiole length	5 petioles	Measurement	2:<=0.9 cm 3:1.0-1.9 cm 4:2.0-2.9 cm 5:3.0-3.9 cm 6:4.0-4.9 cm 7:>=5.0 cm		Length of petiole on the leaf which has the most leaflets on flowering shoot
7	Angle between leaf and stem	5 stems	Observation	3:<=44 5:45-89 7:>=90		(*) angle
8	Leaflet length	5 leaflets	Measurement	3:<=2.9 4:3.0-4.9 5:5.0-6.9 6:7.0-8.9 7:>=9.0		Length of leaflets on the tip of leaf which has the most leaflets on flowering shoot
9	Leaflet width	5 leaflets	Measurement	2:<=0.9 cm 3:1.0-1.9 cm 4:2.0-2.9 cm 5:3.0-3.9 cm 6:4.0-4.9 cm 7:>=5.0 cm		Width of leaflets on the tip of leaf which has the most leaflets on flowering shoot
10	Stipule length	5 stipules	Observation	0:None 3:Short 5:Intermediate 7:Long		
11	Number of leaves	5 stems	Measurement	1:<=4 2:5-15 3:16-25 4:26-35 5:36-45 6:46-55 7:56-65 8:>=66		Number of leaves on flowering shoot
12	Density of leaves	1 plant	Observation	3:Sparse 5:Intermediate 7:Dense		Density of leaves in a whole plant
13	Young leaf color	5 leaves	Observation	1:Light green 3:Dark green 5:Bronze 7:Reddish purple 8:Orange mixed 9:Other		
14	Mature leaf color	5 leaves	Observation	1:Light green 3:Dark green 5:Bronze 9:Other		
15	Depth of incision	5 leaves	Observation	0:None 3:Weak 5:Intermediate 7:Strong		
16	Stem color (1)	5 stems	Observation	1:Light green 3:Dark green 5:Bronze 7:Reddish purple 9:Other		Color of young shoot

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17	Stem color (2)	5 stems	Observation	1:Light green 3:Dark green 5:Bronze 7:Reddish purple 9:Other		Color of flowering shoot
18	Stem diameter	5 stems	Measurement	3:<=3.9 mm 4:4.0-5.9 mm 5:6.0-7.9 mm 6:8.0-9.9 mm 7:10.0-11.9 mm 8:>=12.0 mm		Diameter of flowering shoot at the base
19	Internode length	5 stems	Measurement	1:<=0.9 cm 2:1.0-1.9 cm 3:2.0-2.9 cm 4:3.0-3.9 cm 5:4.0-4.9 cm 6:5.0-5.9 cm 7:6.0-6.9 cm 8:>=7.0 cm		Internode length at the middle of flowering shoot
20	Curvature of flower stalk	5 stems	Observation	3:Curved 5:Slightly curved 7:Straight		
21	Number of thorns at the base of stem	5 stems	Observation	0:None 3:Few 5:Intermediate 7:Many		Thorn number on the base of flowering shoot in full bloom
22	Flower bud length	5 flower buds	Measurement	3:<=0.2 cm 4:0.3-0.9 cm 5:1.0-1.9 cm 6:2.0-2.9 cm 7:3.0-3.9 cm 8:>=4.0 cm		Just after sepals open
23	Flower bud diameter	5 flower buds	Measurement	3:<=0.2 cm 4:0.3-0.9 cm 5:1.0-1.9 cm 6:2.0-2.9 cm 7:>=3.0 cm		Just after sepals open
24	Shape of flower bud	5 flower buds	Observation	1: Bowl 3: Bell 5: Cupped 7: Ovoid 9: Long		Just after sepals open
25	Flower bud color	5 flower buds	Observation			At a time when sepals open. Indicate reference number of RHS color chart
26	Shape of flower	5 flower buds	Observation	1: Flat 2: Ruffled 3: Chrysanthemum-flowered 4: Pom-pom 5: Cupped 6: Globose 7: Formal		
27	Shape of petal	5 flowers	Observation	1: Thin 3: Rounded 5: Semi-reflex 7: Reflex		
28	Thickness at the center of flower	5 flowers	Observation	3: Thin 5: Intermediate 7: Thick		At full bloom
29	Color of petal at lower side	5 flowers	Observation			Color of the outermost petal on back side. Indicate reference number of RHS color chart
30	Color of anther	5 flowers	Observation	3: Buff 5: Yellow 7: Chalcone 9: Other		

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31	Color of filament	5 flowers	Observation	1:Green, White 2:Buff colored 3:Yellow 5:Light pink 6:Deep pink 7:Brown 8:Mauve 9:Other		
32	Color of stigma	5 flowers	Observation	1:Green, White 3:Buff colored 5:Yellow 7:Light pink 9:Other		
33	Flower stalk length	5 stems	Observation	3:Short 5:Intermediate 7:Long		Length at the uppermost leaf to sepal
34	Flower stalk diameter	5 stems	Observation	3:Thin 5:Intermediate 7:Thick		
35	Strength of flower stalk	5 stems	Observation	3:Weak 5:Intermediate 7:Strong		Degree of bending of flower stalk when held vertically

Plant		Rose		92(09005)	Secondary essential character
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Occurrence of blind shoots in low temperature period	1 plant	Observation	3:Low 5:Intermediate 7:High	
2	Occurrence of blind shoots in high temperature period	1 plant	Observation	3:Low 5:Intermediate 7:High	
3	Use	1 plant	Observation	0:Hedge 1:Pergola 2:Pole 3:Flower bed 4:Border 5:Pot 6:Cut flower 7:Green leaf 8:Colored leaf	
4	Rooting ability by cutting	10 cuttings	Measurement	3:<=39% 5:40-69% 7:>=70%	Percentage of rooted cuttings

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No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Occurrence of malformed flowers in low temperature period	5 flowers	Observation	3:Low 5:Intermediate 7:High	
2	Occurrence of malformed flowers in high temperature period	5 flowers	Observation	3:Low 5:Intermediate 7:High	
3	Tolerance to drought	1 plant	Observation	2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high	
4	Tolerance to excessive moisture	1 plant	Observation	2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high	
5	Resistance to powdery mildew	1 plant	Observation	2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high	
6	Resistance to black spot	1 plant	Observation	2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high	
7	Resistance to stem canker	1 plant	Observation	2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high	
8	Resistance to downy mildew	1 plant	Observation	2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high	
9	Resistance to spider mites	1 plant	Observation	2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high	
10	Resistance to injury from chemicals	1 plant	Observation	3:Low 5:Intermediate 7:High	

Plant		Rose		92(09005)	Tertiary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Vase life	5 flowers	Observation	3:Poor 5:Intermediate 7:Good		
2	Yield of cut flowers	1 plant	Measurement	3:<=9 4:10-19 5:20-29 6:30-39 7:>=40		Number of cut flowers per plant in a year
3	Discoloration	5 flowers	Observation	3:Hard 7:Easy		

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No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
1	Fragrance	5 flowers	Observation	0:None 3:Weak 5:Intermediate 7:Strong	At full bloom
2	Drop of petals	5 flowers	Observation	3:Easy, all at once 5:Intermediate 7:Late	