

Plant		Apple (introduced)		64(07022)	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Pubescence on dormant shoot	10 shoots	Observation	1:None 3:Little 5:Intermediate 7:Much		Observation at the middle portion on moderate 1-year-old dormant shoots
2	Thickness of dormant shoot	10 shoots	Observation	3:Thin 5:Intermediate 7:Thick		Observation at the middle portion on moderate 1-year-old dormant shoots
3	Length of internode in dormant shoot	10 shoots	Observation	3:Short 5:Intermediate 7:Long		Observation at the middle portion on moderate 1-year-old dormant shoots
4	Amount of lenticels on dormant shoot	10 shoots	Observation	3:Few 5:Intermediate 7:Many		Observation at the middle portion on moderate 1-year-old dormant shoots
5	Size of lenticels on dormant shoot	10 shoots	Observation	3:Small 5:Intermediate 7:Large		Observation at the middle portion on moderate 1-year-old dormant shoots
6	Pubescence on axillary bud of dormant shoot	10 shoots	Observation	1:None 3:Little 5:Intermediate 7:Much		Observation at the middle portion of moderate 1-year-old dormant shoots
7	Attitude of dormant shoot	10 shoots	Observation	1:Erect 2:Bending 3:Weeping		Observation at the middle portion of moderate 1-year-old dormant shoots
8	Color of dormant shoot	10 shoots	Observation	3:Green 5:Brown 7:Red-brown		Observation at the middle portion of moderate 1-year-old dormant shoots
9	Scurf on dormant shoot	10 shoots	Observation	1:None 3:Little 5:Intermediate 7:Much		Observation at the middle portion of moderate 1-year-old dormant shoots
10	Pubescence on young shoot	10 shoots	Observation	1:None 3:Little 5:Intermediate 7:Much		Observation at the middle portion of moderate new shoots in August
11	Angle of leaf from shoot	10 shoots	Observation	3:Upward 5:Horizontal 7:Downward		Observation at the middle portion of moderate new shoots in August
12	L/B ratio of leaf	15 leaves	Observation	3:Round 5:Intermediate 7:Oblong		Observation at the 4th leaf to 6th leaf of moderate new shoots in August

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13	Widest position of leaf	15 leaves	Observation	3:Toward the base 5:Center 7:Toward the top		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
14	Serration	15 leaves	Observation	1:Crenate 2:Double crenate 3:Serrate 4:Double serrate		Observation at the middle portion of the 4th leaf to 6th leaf of moderate new shoots in August
15	Length of leaf	15 leaves	Observation	3:Short 5:Intermediate 7:Long		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
16	Shape on top of leaf	15 leaves	Observation	1:Cuneate 2:Acute 3:Attenuate-acuminate 4:Cuspidate		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
17	Shape on base of leaf	15 leaves	Observation	1:Attenuate 2:Obtuse 3:Orbicular 4:Cordate		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
18	Color of leaf	15 leaves	Observation	1:Light green 2:Green 3:Dark green		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
19	Tone of leaf color	15 leaves	Observation	3:Dark 5:Intermediate 7:Bright		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
20	Warpage of leaf	15 leaves	Observation	1:Convex 3:Slightly convex 5:Flat 7:Slightly concave 9:Concave		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
21	Smoothness of leaf	15 leaves	Observation	1:Smooth 9:Wavy		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
22	Length of petiole	15 leaves	Observation	3:Short 5:Intermediate 7:Long		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
23	Color of petiole	15 leaves	Observation	1:Green 3:Green with red		Observation at the 4th leaf to 6th leaf of moderate new shoots in August
24	L/B ratio of stipule	15 leaves	Observation	3:Oblong 5:Intermediate 7:Narrow		Observation at the 4th leaf to 6th leaf of moderate new shoots in August

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25	Length of stipule	15 leaves	Observation	3:Short 5:Intermediate 7:Long	Observation at the 4th leaf to 6th leaf of moderate new shoots in August
26	Shape of stipule	15 leaves	Observation	1:Narrow-sickle 3:Narrow-straight 5:Oblong-straight 7:Oblong-sickle	Observation at the 4th leaf to 6th leaf of moderate new shoots in August
27	Substipule	15 leaves	Observation	1:Absent 9:Present	Observation at the 4th leaf to 6th leaf of moderate new shoots in August