

Plant		Taro		85(08027)	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Plant height	5 plants	Measurement	3:Low 5:Intermediate 7:High		Height of entire plant at the maximum growing stage. Low:less than 119 cm, intermediate:120-149 cm, high:more than 150 cm
2	Growth habit	5 plants	Observation	1:Non-fasciate 9:Fasciate		Shoot growth at the maximum growing stage
3	Shape of leaf tip	5 plants	Observation	3:Pointed 4:Slightly pointed 5:Intermediate 6:Slightly round 7:Round		Shape of tip of the largest leaf at the maximum growing stage
4	Petiole bent at lamina junction	5 plants	Observation	1:Almost none 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high		Petiole bent at lamina junction at the maximum growing stage
5	Petiole color	5 plants	Observation	1:Green 2:Dark umber 3:Reddish purple 9:Other		Petiole color at the maximum growing stage
6	Coloration of petiole edge	5 plants	Observation	0:Absent 9:Present		
7	Shape of central corm	5 plants	Observation	1:Flaty round 2:Round 3:Spindle 4:Cylindrical 5:Massive 9:Other		Shape of central corm (tuber) at harvest stage
8	Shape of secondary corms	5 plants	Observation	1:Spherical 2:Oblong (cylindrical) 3:Short shrimp 4:Shrimp 9:Other		Shape of side corms attached (growing) on the central corm at harvest stage
9	Number of secondary corms	5 plants	Observation	3:Few 5:Intermediate 7:Many		Number of side corms attached (growing) on the central corm at harvest stage. Few:7>, intermediate:7-14, many:15<
10	Number of tertiary corms	5 plants	Observation	3:Few 5:Intermediate 7:Many		Number of side corms attached (growing) on the secondary corms of a single plant at harvest stage. Few:7>, intermediate:7-14, many:15<

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No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Plant type	5 plants	Observation	3:Erect 5:Intermediate 7:Spreading		
2	Bud color	5 plants	Observation	1:White-green 2:Reddish 9:Other		
3	Leaf number	5 plants	Observation	1:Almost none 2:Very few 3:Few 4:Slightly few 5:Intermediate 6:Some 7:Many 8:Very many 9:Extremely numerous		
4	Sprouting from side corms	5 plants	Observation	1:Extremely abundant 2:Very abundant 3:Abundant 4:Slightly abundant 5:Intermediate 6:Slightly rare 7:Rare 8:Very rare 9:Extremely rare		
5	Leaf color	10 leaves	Observation	3:Light green 5:Green 7:Dark green		Leaf green color at the maximum growing stage
6	Leaf length	10 leaves	Measurement	cm (integer)		Leaf length of the largest leaf
7	Leaf width	10 leaves	Measurement	cm (integer)		Leaf width of the largest leaf
8	Depth of sinus at leaf base	10 leaves	Observation	0:None 1:Extremely shallow 2:Very shallow 3:Shallow 4:Slightly shallow 5:Intermediate 6:Slightly deep 7:Deep 8:Very deep 9:Extremely deep		
9	Leaf shape	10 leaves	Observation	1:Extremely narrow 2:Very narrow 3:Narrow 4:Slightly narrow 5:Intermediate 6:Slightly wide 7:Wide 8:Very wide 9:Extremely wide		
10	Anthocyanin pigmentation of leaf center	10 leaves	Observation	0:None 1:Extremely light 2:Very light 3:Light 4:Slightly light 5:Intermediate 6:Slightly dark 7:Dark 8:Very dark 9:Extremely dark		
11	Presence of anthocyanin pigmentation of leaf vein	10 leaves	Observation	0:Absent 9:Present		Color of leaf vein on the lower side

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12	Degree of anthocyanin pigmentation of leaf vein	10 leaves	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		
13	Petiole length	10 leaves	Measurement	cm (integer)		Length of the maximum petiole
14	Length of leaf sheath	10 leaves	Measurement	cm (integer)		Length from ground surface to the top of the sheath of the maximum petiole
15	Petiole thickness	10 leaves	Measurement	cm (integer)		Petiole thickness at the top of the sheath
16	Anthocyanin pigmentation of petiole junction	10 leaves	Observation	0:Absent 9:Present		Presence of anthocyanin color at petiole adjucent to leaf laminae
17	Degree of petiole anthocyanin pigmentation at junction	10 leaves	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		
18	Anthocyanin pigmentation of petiole base	10 leaves	Observation	0:Absent 9:Present		
19	Degree of petiole base anthocyanin	10 leaves	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		
20	Stripe on petiole	10 leaves	Observation	0:Absent 9:Present		Color stripe on petiole
21	Degree of color on petiole edge	10 leaves	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 petiole edge
22	Flowering	5 plants	Observation	0:Rare (not observed) 9:Common (observed)		Flowering under natural condition

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23	Length of spadix	5 flowers	Measurement	cm (integer)		
24	Length of appendage	5 flowers	Measurement	cm (integer)		
25	Corm branching	5 plants	Observation	1:Clustered 2:Dispersed 3:Densely budding 4:Branched 5:Massive 9:Other		Branching of the side corms from central corm
26	Size of central corm	5 plants	Measurement	g (integer)		
27	Color of root	5 plants	Observation	0:Non (white) 9:Colored		
28	Size of secondary corms	5 plants	Measurement	g (integer)		
29	Shape of tertiary corms	5 plants	Observation	1:Spherical 2:Oblong (cylindrical) 3:Short shrimp 4:Shrimp 5:Other		
30	Size of tertiary corms	5 plants	Measurement	g (integer)		
31	Stolon	5 plants	Observation	1:Rare 9:Commonly observed		Presence or absence of stolons
32	Rhizome	5 plants	Observation	0:Absent 9:Present		Rhizome formation
33	Degree of fibrousness	5 plants	Observation	3:Sparse 4:slightly sparse 5:Intermediate 6:Slightly dense 7:Dense 9:Other		

Plant		Taro		85(08027)	Secondary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	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		

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No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	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		
2	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		
3	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		
4	Wet 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	Blind shoot tip of corms	10 plants	Observation	1:Extremely rare 2:Very rare 3:Rare 4:Slightly rare 5:Intermediate 6:Slightly common 7:Common 8:Very common 9:Extremely common		Blind shoot tip of side corms at harvest stage
6	Virus resistance	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	Nematode resistance	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		Taro		85(08027)	Tertiary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks	
1	Palatability of petiole	10 corms	Observation	1:Non-edible 9:Edible		
2	Parts of tubers used for food	10 corms	Observation	1:Central corm only 2:Side corm only 3:Both 9:Other		
3	Texture of tuber flesh	10 corms	Observation	3:Mealy 4:Slightly mealy 5:Intermediate 6:Slightly sticky 7:Sticky	Examine after steam-boiled for a definite period	

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No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Color of corm surface	10 corms	Observation	1:Pale umber 2:Umbre 3:Dark umber 4:Reddish brown 9:Other		Surface color of the corm after removing fibers
2	Flesh color of central corm	10 corms	Observation	1:White 2:Pale ochre 3:Reddish color 9:Other		Examine on the vertically cut surface
3	Flesh color of side corms	10 corms	Observation	1:Extremely coarse 2:Very coarse 3:Coarse 4:Slightly coarse 5:Intermediate 6:Slightly dense 7:Dense 8:Very dense 9:Extremely dense		Examine on the horizontally cut surface
4	Texture of corm flesh	10 corms	Observation	1:Extremely coarse 2:Very coarse 3:Coarse 4:Slightly coarse 5:Intermediate 6:Slightly dense 7:Dense 8:Very dense 9:Extremely dense		Examine on the horizontally cut surface
5	Corm storability	50 corms	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		Degree of rot during storage