

Plant		Pineapple		101(12002)	Primary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Leaf width	10 plants	Measurement	3:Narrow 5:Intermediate 7:Broad		The maximal leaf width in the longest leaf. Narrow:<=6.4 cm, intermediate:6.5-6.9 cm, broad:>=7.0 cm
2	Density of spines	10 plants	Measurement	0:None 3:Low 5:Intermediate 7:High		Number of spines per leaf length (number/cm). None:0, low:0.1-0.9, intermediate:1.0-1.9, high:>=2.0
3	Number of slips	10 plants	Measurement	3:Few 5:Intermediate 7:Many		Number of slips per plant. Few:<=0.9, intermediate:1.0-4.9, many:>=5.0
4	Fruit weight	10 plants	Measurement	3:Small 5:Intermediate 7:Large		Average of fruit weight. Small:<=0.9 kg, intermediate:1.0-1.4 kg, large:>=1.5 kg
5	Fruit shape index	10 plants	Measurement	3:Small 5:Intermediate 7:Large		Value of longitudinal fruit size divided by lateral fruit size. Small:<=1.2, intermediate:1.3, large:>=1.4
6	Number of fruitlets	10 plants	Measurement	3:Few 5:Intermediate 7:Many		Number of fruitlets per plant. Few:<=79, intermediate:80-99, many:>=100
7	Fruit flesh color	10 plants	Observation	1:White 4:Light yellow 5:Yellow 6:Deep yellow 9:Red		Color of ripe flesh

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No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Plant form	6 plants	Observation	3:Upright 5:Intermediate 7:Spreading		Angle of leaves
2	Fruit color	6 plants	Observation	1:Light yellow 2:Yellow 3:Orange yellow 4:Orange 5:Reddish orange 6:Red		Color of mature fruit skin
3	Fruitlet weight	6 plants	Calculation	3:Small 5:Intermediate 7:Large		Weight per fruitlet, (fruit weight divided number of fruitlets)
4	Projection of fruitlet	6 plants	Measurement	3:Small 5:Intermediate 7:Large		Longitudinal length of fruitlet in part of maximal fruit width. Small: $\leq$ 0.6 mm, intermediate:0.7-1.3 mm, large: $\geq$ 1.4 mm
5	Number of knobs	6 plants	Measurement	3:Few 5:Intermediate 7:Many		Number of knobs per plant. Few: $\leq$ 0.9, intermediate:1.0-1.9, many: $\geq$ 2.0
6	Number of shooting knobs	6 plants	Measurement	3:Few 5:Intermediate 7:Many		Number of shooting knobs per plant. Few: $\leq$ 0.9, intermediate:1.0-1.9, many: $\geq$ 2.0
7	Thickness of fruit skin	6 plants	Measurement	3:Thin 5:Intermediate 7:Thick		Longitudinal length of fruitlet in part of maximal fruit width. Thin: $\leq$ 0.6 mm, intermediate:0.7-1.3 mm, thick: $\geq$ 1.4 mm
8	Fruit flesh thickness	6 plants	Measurement	3:Thin 5:Intermediate 7:Thick		Length from the bottom of fruitlet to fruit core at the maximal fruit width. Thin: $\leq$ 2.9 cm, intermediate:3.0-4.9 cm, thick: $\geq$ 5.0 cm
9	Specific gravity	6 plants	Measurement	3:Small 5:Intermediate 7:Large		Specific gravity by measuring fruit weight in water. Small: $\leq$ 0.99, intermediate:1.00-1.09, large: $\geq$ 1.10
10	Fruit core width	6 plants	Measurement	3:Small 5:Intermediate 7:Large		Width of maximal fruit core. Small: $\leq$ 1.9 cm, intermediate:2.0-2.9 cm, large: $\geq$ 3.0 cm
11	Seed number	6 plants	Measurement	0:None 3:Few 5:Intermediate 7:Many		Seed number per fruitlet. None:0, few:0.1-2.0, intermediate:2.1-5.0, many: $\geq$ 5.1

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No	Characters	No. of samples	Methods	Rank or measurement unit	Remarks
12	Emergent time of flowering bud	6 plants	Observation	3:Early 5:Intermediate 7:Late	Date when flowering buds emerge in more than 50% of available plants
13	Flowering time	6 plants	Observation	3:Early 5:Intermediate 7:Late	Date when flowers bloom in more than 50% of available plants
14	Harvesting time	6 plants	Observation	3:Early 5:Intermediate 7:Late	Date when fruits were harvested in more than 50% of available plants
15	Fruit developing period	6 plants	Calculation	3:Short 5:Intermediate 7:Long	From the emergence of flowering bud to harvesting. Short:<=149 days, intermediate:150-189 days, long:>=190 days

Plant	Pineapple		101(12002)	Secondary essential character		
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Lodging tolerance	6 plants	Observation	3:Low 5:Intermediate 7:High		Observe after typhoon
2	Drought tolerance	6 plants	Observation	3:Low 5:Intermediate 7:High		Observe at drought weather

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1	Sunburn	6 plants	Observation	3:Light 5:Intermediate 7:Severe	Sunburn index; (number of sunburned fruit/number of fruits) x 100. Light:<=9, intermediate:10-19, severe:>=20
2	Fruit cracking	6 plants	Observation	3:Little 5:Intermediate 7:Much	Fruit cracking index; (number of cracked fruits/number of fruits) x 100. Little:<=9, intermediate:10-19, much:>=20

Plant		Pineapple		101(12002)	Tertiary essential character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Fruit yield	6 plants	Measurement	3:Low 5:Intermediate 7:High		Fruit yield per 10 are. Low:<=99 kg, intermediate:100-149 kg, high:>=150 kg
2	Soluble solids concentration in fruit	6 plants	Measurement	3:Low 5:Intermediate 7:High		Low:<=12.4%, intermediate:12.5-14.4%, high:>=14.5%
3	Acidity in fruit	6 plants	Measurement	3:Low 5:Intermediate 7:High		Low:<=0.5%, intermediate:0.6-0.9%, high:>=1.0%
4	Sugar-acid ratio	6 plants	Measurement	3:Low 5:Intermediate 7:High		Soluble solid concentration or acidity. Low:<=19, intermediate:20-24, high>=25

Plant		Pineapple		101(12002)	Tertiary optional character	
No	Characters	No. of samples	Methods	Rank or measurement unit		Remarks
1	Eating quality	6 plants	Sensory	3:Poor 5:Fair 7:Good		
2	Aroma	6 plants	Sensory	0:None 3:Little 5:Intermediate 7:Much		
3	Flesh texture	6 plants	Sensory	3:Soft 5:Intermediate 7:Firm		
4	Juice contents	6 plants	Measurement	3:Little 5:Intermediate 7:Much		Water content in fruit measured after drying at 80 centi degrees. Little:<=79%, intermediate:80-89%, much:>=90%