	Plant	Radish		,	78(08017)	Primary essential character	
No	Characters No. of samples		Methods	5	Rank or measurement unit	Remarks	
1	Plant posture 10 plants		10 plants	Observatio	1 -	ng 2:Nearly drooping 3:Prostrate costrate 5:Intermediate 6:Semi-erect	At 30 days (20 days for extra early variety) after sowing
2	Leaf desection 10 plants		Observatio	desected	ely desected 4:Nearly completely 5:Average 6:Desect with some lobes Desect with all lobes cleft		
3	Leaf colo	r	10 plants	Observatio		sh green 4:Slightly yellowish gree 6:Slightly dark green 7:Dark green	
4	Root shap	e	10 plants	Observatio	2:Cylinde 4:Cylinde	or reverse triangle 1:Short cylinder or 3:Cylinder with flat bottom or with slant bottom 5:Long corn bindle 7:Club with slanted bottom 0:Other	
5	Root leng	th	10 plants	Measuremen	4:Slightl	ely short 2:Very short 3:Short by short 5:Intermediate 6:Slightly bong 8:Very long 9:Extremely long	Extremely short:<3 cm, short:15-24 cm, intermediate:30-39 cm, long:45-54 cm, extremely long:>70 cm
6	Root thic	kness	10 plants	Observatio	4:Slightl	ely thin 2:Very thin 3:Thin  y thin 5:Intermediate 6:Slightly Thick 8:Very thick 9:Extremely thick	Maximum diameter. Extremely thin:<=1.5 cm, thin:3.6-5.5 cm, intermediate:7.6-10.5 cm, thick:13.6-16.5 cm, extremely thick:>=20 cm
7	Root colo	r	10 plants	Observatio		2:White-Creamy white 3:Creamy white white-yellowish white 5:Yellowish	Basic color of root surface (excluding color by pigmentation)
8	Maturity		10 plants	Measuremen	4:Slightl	ely early 2:Very early 3:Early y early 5:Intermediate 6:Slightly ate 8:Very late 9:Extremely late	At 50% harvestable stage. Extremely early:<=24 days, early:30-39 days, intermediate:55-69 days, late:85-99 days, extremely late:120 days

	Plant Radish				78(080	017)	Primary optional character	
No	Characters		No. of samples	Methods		Rank or measurement unit		Remarks
1	Leaf number		10 plants	Observation	Observation 3:Very f 7:Very n		w 4:Few 5:Intermediate 6:Many	At the harvesting stage. Very few<=1.5, intermediate:25, many:40
2	Hue of leaf pigmentation		10 plants	Observation	Pu		3:Pink 4:Pink-Red 5:Red 6:Red- :Purple 8:Purple-Blush purple purple	By anthocyanin pigmentation
3	Degree of leaf pigmentation		10 plants	Observation	ion 3:Little		4:Slightly little 5:Intermediate y much 7:Much	By anthocyanin pigmentation
4	Leaf lengt	:h	10 plants	Measuremer	nt c	cm (integer)		Of the largest leaf
5	Leaf width 10 plants		10 plants	Measuremer	Measurement cm (round		to the 1st decimal place)	Of the largest leaf
6	Number of	Number of lobes 10 plants		Observation		0:Absent 1:Almost none 2:Very few 3:Fo 4:Several 5:Intermediate 6:Many 7:Very		Few:<=5, intermediate:10, many:15
7	Density of	Density of leaf lobes 10 plants		Observatio	1	3:Sparce 4:Slightly sparce 5:Intermediate 6:Slightly dense 7:Dense		Sparce:lobes completely apart, intermediate:slightly touching, dense:overlapping
8	Root projection 10		10 plants	Observatio	3		1:Almost none 2:Extremely little ttle 4:Little 5:Intermediate 6:Much	As the ratio of projected length/whole length.  Absent:0%, Very little:20%, intermediate:40%,  Very much:>=60%
9	Plant weig	ght	10 plants	Measuremer	nt g	g (integer	r)	
10	Root consistency 10 plants		10 plants	Observatio	5		stent 4:Slightly inconsistent diate 6:Slightly consistent ent	As for root length, deviation more than 15% of the average is regarded as irregular. As irregular root percentage, inconsistent:>=30%, intermediate:20%, consistent:10%
11	Shape of root shoulder 10 plants		10 plants	Observation		-	2:Round sloping 3:No shoulder	
12	Shape of 1	root bottom	10 plants	Observation	on 1	1:Conic 2	2:Sloping 3:Flat 4:Round	

	Plant Radish				78(080	17)	Primary optional character	
No	Cha	aracters	No. of samples	Method	ls	Rank or measurement unit		Remarks
13	Thickness of root neck 10 plants		10 plants	Observation			:Slightly thin 5:Intermediate y thick 7:Thick	At just under the base of foliage. Intermediate:1-5 cm
14	Position of the maximum 10 plants diameter of root		Observation	5	First consider a Collination less Talles Collination		As the percentage of distance of the position from the neck/whole length. Highest:<=5%, high:35%, intermediate:55%, low:75%, lowest:95%	
15	T/R ratio 10 plants		Observation	10	1:Extremely low 2:Very low 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High 8:Very high 9:Extremely high		Extremely low:<=0.3, low:0.5, intermediate:0.9, high:1.3, extremely high:>=1.5	
16	Flower bu	Flower bud 10 plants Observation 0:Absent		:Absent	9:Present	Observe (representing relative earliness of flower bud initiation)		
17	Hue of pi	gmentation in	10 plants	Observation		0:Absent 1:Pale green 2:Green 3:Yellow 4:Gray 5:Pink 6:Red 7:Violet 8:Black		
18				, -	2:2/5 3:3/5 4:4/5 5:4/5 6:5/5 8:>1/2 9:2/2	As the ratio of colored surface to the whole area, 1 to 6 are for continuous pigmentation. 7 to 9 are for scattered pigmentation.		
19	Color of	root flesh	10 plants	Observation		1:Transparent 2:Pure white 3:Creamy white 4:Ashy white 5:Pale green 6:Green 7:Red		1-4:basic color without pigment, 5-7:pigmented color
20	Distribut	ion of flesh	10 plants	Observation	on 1:	n 1:<=1/2 2:2/5 3:3/5 4:4/5 5:4/5 6:5/5		Vertical proportion of pigmented part to whole length
21	Distribut	ion of flesh	10 plants	Observation	on 1:	1:<=1/2 2:>1/2 3:2/2		Horizontal proportion of pigmented part to whole width
22	Developme:	nt of root	10 plants	Observation		3:Early 4:Slightly early 5:Intermediate 6:Slightly late 7:Late		At 50% harvestable stage
23	Unseasona	l bolting	10 plants	Observation			Slightly low 5:Intermediate y high 7:High	Bolting rate by natural occurrence

	Plant Radish			78(08017)		Secondary essential character	
No	No Characters		No. of samples	Method	s	Rank or measurement unit	Remarks
1	1 Resistance to Fusarium yellows		30 plants	Observation		4:Slightly low 5:Intermediate tly high 7:High	By natural occurrrence or artificial inoculation
2	2 Resistance to Soft rot		30 plants	Observation		4:Slightly low 5:Intermediate tly high 7:High	By natural occurrence or artificial inoculation
3	3 Virus resistance		30 plants	Observation		4:Slightly low 5:Intermediate tly high 7:High	By natural occurrence or artificial inoculation

	Plant	Radish		78	3(08017)	Secondary optional character	
No	Characters		No. of samples	Methods		Rank or measurement unit	Remarks
1	Resistance to Downey 30 plants mildew		30 plants	Observation		Slightly low 5:Intermediate ly high 7:High	By natural occurrence
2	Resistance to 30 plants Diamondback moth		Observation		Slightly low 5:Intermediate	By natural occurrrence	
3	Aphids resistance 30 plants		30 plants	Observation		Slightly low 5:Intermediate Ly high 7:High	By natural occurrence
4	Green catapillar 30 plants resistance		30 plants	Observation		Slightly low 5:Intermediate Ly high 7:High	By natural occurrence
5	Cold tole	rance	30 plants Observation 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High		•	Evaluated by the degree of cold injury	
6	Heat tole	rance	30 plants	Observation		Slightly low 5:Intermediate Ly high 7:High	Evaluted by the degree of growth disorder by high temperature
7	1	ptability to hot 30 plants Observation 3:Low 4:Slightly low 5:Intermediate 6:Slightly high 7:High			Evaluated by the difficulty of high quality production in hot season		
8	Storabili	ty	30 plants	Observation		Slightly low 5:Intermediate	As the durability in post-harvest storage

	Plant Radish		78	3(08017)	Tertiary essential character	
No	Character	Characters No. of samples Method		Rank or measurement unit		Remarks
1	Root weight 10 plants		Measurement	4:Slightl	- 1 i ab	Extremely light:<=9 g, intermediate:0.6-0.9 kg, heavy:2.0-2.9 kg, extremely heavy:>=6.0 kg
2	Content of pungent 10 plants element		Sensory	1	1:Extremely low 2:Very low 3:Low y low 5:Intermediate 6:Slightly high	
3	Sweetness 10 plants		Sensory	1	1:Extremely low 2:Very low 3:Low y low 5:Intermediate 6:Slightly high	

	Plant Radish		78(08017)		L7)	Tertiary optional character		
No	Cha	racters	No. of samples	Methods	s	Rank or measurement unit		Remarks
1	Pickling s	suitability	10 plants	Sensory	0:1	0:Not suitable 9:Suitable		
2	Taste		10 plants	Sensory			Slightly bad 5:Intermediate y good 7:Good	
3	Texture		10 plants	Sensory		:Tough 4:Slightly tough 5:Intermediate :Slightly tender 7:Tender		
4	Water con	tent	10 plants	Sensory		Very lit	ttle 4:Little 5:Intermediate 6:Much	