

Table 4.1: Analysis of variance for different characters of strawberry (pooled data of two years)

S.No.	Source of variance	Replication	Treatments	Error
	Degrees of freedom	2	19	38
	Characters	Mean Square		
1.	Height of plant (cm)	0.08	1.45**	0.14
2.	Spread of plant (cm)	2.28	4.40**	0.12
3.	Number of leaves per plant	0.03	1.10**	0.07
4.	Leaf area index (cm ²)	0.13	241.56**	0.74
5.	Number of flowers per plant	0.11	0.54**	0.02
6.	Number of fruits per plant	0.10	0.88**	0.03
7.	Fruit length (cm)	0.02	0.98**	0.008
8.	Fruit width (cm)	0.10	0.95**	0.007
9.	Fresh fruit weight (g)	28.05	159.01**	8.56
10.	Fruit volume (ml)	23.12	159.29**	8.10
11.	Dry fruit weight (g)	0.45	1.30**	0.084
12.	TSS (^o Brix)	0.038	2.68**	0.067
13.	Titratable acidity (%)	0.0002	0.011**	0.0001
14.	Reducing sugar (%)	0.001	0.33**	0.0008
15.	Total sugars (%)	0.020	0.48**	0.004
16.	Vitamin C (mg/100 g)	2.76	41.15**	1.65
17.	Fruit yield per plant (g)	7.68	3248.18**	7.85

** Significant at 5 % level of significance

Table 4.2: Range (Minimum and maximum), mean, phenotypic coefficient of variation (PCV), genotypic coefficient of variation (GCV), heritability, genetic advance and genetic advance as per cent of mean for 17 characters in strawberry (pooled data of two years)

S.No.	Characters	Range		Mean	PCV (%)	GCV (%)	Heritability	Genetic advance	Genetic advance as per cent of mean
		Minimum	Maximum						
1.	Height of plant (cm)	7.89	10.34	9.53	13.31	13.25	85.13	1.17	12.28
2.	Spread of plant (cm)	17.37	21.57	20.14	48.68	45.87	79.56	2.71	13.46
3.	Number of leaves per plant	9.63	11.88	10.41	44.53	43.31	76.61	4.19	40.25
4.	Leaf area index (cm ²)	8.85	39.68	28.32	45.01	43.85	82.91	14.25	50.32
5.	Number of flowers per plant	8.22	9.76	8.89	54.62	47.26	76.95	1.20	13.50
6.	Number of fruits per plant	4.76	6.63	5.99	10.42	10.29	78.48	1.90	31.72
7.	Fruit length (cm)	3.31	5.37	4.29	7.29	6.92	85.91	1.29	30.07
8.	fruit width (cm)	2.08	4.15	3.04	6.02	5.93	83.19	2.43	79.93
9.	Fresh fruit weight (g)	3.15	30.39	16.35	5.83	5.62	72.78	1.16	7.09
10.	Fruit volume (ml)	3.05	30.40	16.19	31.69	31.64	86.70	8.43	52.07
11.	Dry fruit weight (g)	0.30	2.67	1.43	4.77	4.65	87.15	0.83	58.04
12.	TSS (° Brix)	7.48	10.62	9.08	9.08	8.90	73.15	1.08	11.89
13.	Titrateable acidity (%)	0.70	0.91	0.79	8.05	7.65	89.96	0.13	16.46
14.	Reducing sugar (%)	3.40	4.47	3.99	8.33	7.45	91.73	0.68	17.04
15.	Total sugars (%)	4.47	5.83	5.18	7.72	7.29	93.12	0.82	15.83
16.	Vitamin C (mg/100 g)	64.73	78.73	68.80	5.38	4.87	89.97	7.32	10.64
17.	Fruit yield per plant (g)	24.02	137.87	101.95	32.28	31.24	86.76	67.62	66.33

Table 4.3 Genotypic correlation coefficient for 17 characters in strawberry genotypes (pooled data of two years)

	HP	SP	NLP	LAI	NF	NFr	TSS	TA	RS	TS	AA	FL	FW	FWt	FV	DW	YP
HP	1	0.913**	-0.837**	0.887**	0.626**	0.429*	0.972**	-0.852	0.983**	0.977**	-0.909**	0.792**	0.818**	0.918**	0.915**	0.844**	0.658**
SP		1	0.661**	0.915**	0.546**	-0.573**	0.919**	0.939**	0.923**	0.932**	-0.779**	0.919**	0.915**	0.992**	0.975**	0.856**	0.542**
NLP			1	-0.634**	0.413*	-0.645**	-0.248	0.763**	-0.859**	-0.463	0.692**	0.925**	0.796**	0.256*	0.257*	0.441*	-0.813**
LAI				1	0.535**	-0.611**	0.882**	0.769**	0.878**	0.876**	-0.744**	0.872**	0.874**	0.888**	0.868**	0.913**	0.933**
NF					1	0.645**	0.631**	-0.245	0.478*	0.513**	0.417*	0.807**	0.811**	0.838**	0.871**	0.863**	0.659**
NFr						1	-0.803**	0.247	-0.357	0.011	0.246	0.635**	0.568**	0.719**	0.768**	-0.507**	0.591**
TSS							1	-0.632**	0.815**	0.734**	-0.732**	0.931**	0.927**	0.869**	0.974**	0.949**	0.898**
TA								1	0.988**	-0.952**	0.915**	-0.492	-0.666**	-0.713**	-0.729**	-0.636**	-0.847**
RS									1	0.973**	-0.976**	0.677**	0.585**	0.733**	0.742**	0.694**	0.966**
TS										1	-0.889**	0.613**	0.597**	0.796**	0.723**	0.691**	0.971**
AA											1	-0.505**	-0.513**	-0.659**	-0.617**	-0.578**	-0.846**
FL												1	0.846**	0.983**	0.955**	0.972**	0.786**
FW													1	0.985**	0.969**	0.974**	0.848**
FWt														1	0.534**	0.987**	0.886**
FV															1	0.985**	0.861**
DW																1	0.827**
YP																	1

*, **: Significant at 0.05 and 0.01 levels, respectively.

HP: Height of plant, SP: Spread of plant, NLP: Number of leaves per plant, LAI: Leaf area index, NF: Number of flowers per plant, NFr: Number of fruits per plant, TSS: Total soluble solids, TA: Titratable acidity, RS: Reducing sugar, TS: Total sugars, AA: Ascorbic acid, FL: Fruit length, FW: Fruit width, FWt: Fresh fruit weight, FV: Fruit volume, DW: Dry fruit weight, YP: fruit yield per plant.

Table 4.4 Phenotypic correlation coefficient for 17 characters in strawberry genotypes (pooled data of two years)

	HP	SP	NLP	LAI	NF	NFr	TSS	TA	RS	TS	AA	FL	FW	FWt	FV	DW	YP
HP	1	0.756*	-0.278	0.847**	0.333*	-0.346	0.656**	-0.707**	0.818**	0.718**	-0.531**	0.598**	0.643**	0.633**	0.767**	0.642**	0.773**
SP		1	0.111	0.787**	0.219	-0.337	0.639**	-0.415	0.681**	0.598**	-0.528**	0.682**	0.638**	0.662**	0.644**	0.627**	0.674**
NLP			1	-0.213	0.183	-0.161	0.097	0.382*	-0.291	-0.325	0.346*	0.234	0.247	0.151	0.261*	0.245*	-0.645**
LAI				1	0.162	-0.546**	0.823**	-0.401	0.773**	0.787**	-0.724**	0.797**	0.791**	0.742**	0.789**	0.742**	0.876**
NF					1	0.512**	0.323*	-0.095	0.142	0.087	-0.179	0.345*	0.369*	0.262*	0.546**	0.467*	0.431*
NFr						1	-0.619**	0.212	-0.202	-0.211	0.249	0.413*	0.416*	0.591**	0.542**	-0.243	0.549**
TSS							1	-0.544**	0.742**	0.732**	-0.666**	0.865**	0.869**	0.738**	0.798**	0.787**	0.793**
TA								1	0.842**	-0.826**	0.742**	-0.496	-0.514**	-0.551**	-0.516**	-0.545**	-0.768**
RS									1	0.878**	-0.787**	0.467*	0.611**	0.585**	0.618**	0.502**	0.865**
TS										1	-0.694**	0.517**	0.565**	0.631**	0.629**	0.397*	0.881**
AA											1	-0.505**	-0.461	-0.475	-0.513**	-0.525**	-0.747**
FL												1	0.894**	0.783**	0.892**	0.847**	0.759**
FW													1	0.852**	0.898**	0.825**	0.812**
FWt														1	0.725**	0.838**	0.768**
FV															1	0.872**	0.771**
DW																1	0.713**
YP																	1

*, **: Significant at 0.05 and 0.01 levels, respectively.

HP: Height of plant, SP: Spread of plant, NLP: Number of leaves per plant, LAI: Leaf area index, NF: Number of flowers per plant, NFr: Number of fruits per plant, TSS: Total soluble solids, TA: Titratable acidity, RS: Reducing sugar, TS: Total sugars, AA: Ascorbic acid, FL: Fruit length, FW: Fruit width, FWt: Fresh fruit weight, FV: Fruit volume, DW: Dry fruit weight, YP: fruit yield per plant.

Table 4.5 Direct (Diagonal) and indirect effects of different traits contributing to yield in strawberry (Genotypic level) (pooled data of two years)

	HP	SP	NLP	LAI	NF	NFr	TSS	TA	RS	TS	AA	FL	FW	FWt	FV	DW	Correlation with yield
HP	0.085	0.133	0.348	0.464	-0.156	-0.344	-0.388	-0.729	-0.885	0.054	0.517	0.523	0.524	-0.029	0.388	0.324	0.829**
SP	0.077	0.095	-0.078	0.446	-0.258	-0.377	-0.483	-0.416	-0.329	-0.145	0.419	0.466	0.788	-0.388	0.472	0.392	0.681**
NLP	0.088	0.114	0.132	0.086	-0.255	-0.153	-0.275	-0.391	-0.426	-0.125	0.616	-0.375	0.472	-0.086	0.492	0.517	0.431*
LAI	0.117	0.123	0.364	0.488	-0.329	-0.472	-0.389	-0.517	-0.588	-0.133	0.678	-0.614	0.421	0.094	0.495	0.379	0.117
NF	0.107	0.112	0.326	0.483	-0.586	-0.456	-0.388	-0.417	-0.546	-0.183	0.987	-0.402	0.249	-0.188	0.366	0.272	-0.264
NFr	-0.065	-0.073	0.323	-0.492	0.412	0.615	0.643	0.278	0.489	0.277	-0.786	0.423	-0.711	0.319	-0.398	-0.386	0.868**
TSS	0.094	0.137	-0.346	0.436	-0.346	-0.381	-0.375	-0.566	-0.647	-0.115	0.689	-0.713	0.802	-0.491	0.613	0.446	-0.763**
TA	-0.088	-0.127	-0.136	-0.407	0.191	0.323	0.618	0.741	0.886	0.077	-0.419	0.546	-0.919	0.355	-0.212	-0.886	0.543**
RS	0.114	0.107	0.366	0.579	-0.289	-0.618	-0.513	-0.888	-0.733	-0.451	0.779	-0.557	0.423	-0.377	0.669	0.979	-0.410
TS	0.092	0.103	-0.373	0.472	-0.217	-0.343	-0.715	-0.816	-0.702	-0.246	0.833	-0.516	0.776	-0.066	0.751	0.852	-0.115
AA	-0.096	-0.083	0.043	-0.451	0.157	0.409	0.689	0.963	0.703	0.086	-0.944	0.315	-0.386	0.528	-0.462	-0.771	0.700**
FL	0.093	0.107	0.421	0.467	-0.433	-0.373	-0.473	-0.872	-0.107	-0.033	0.845	-0.563	0.457	-0.312	0.443	0.492	0.159
FW	0.085	0.117	0.243	0.511	-0.458	-0.588	-0.363	-0.288	-0.373	-0.372	0.811	-0.573	0.447	-0.317	0.487	0.488	-0.143
FWt	0.112	0.137	-0.286	0.442	-0.395	-0.583	-0.461	-0.264	-0.329	-0.257	0.503	-0.243	0.579	0.449	0.476	0.523	0.403*
FV	0.093	0.095	0.088	0.459	-0.275	-0.303	-0.261	-0.451	-0.398	-0.348	0.382	-0.663	0.291	-0.379	0.577	0.481	-0.612**
DW	0.083	0.095	0.111	0.491	-0.469	-0.187	-0.369	-0.241	-0.319	-0.277	0.658	-0.479	0.391	-0.289	0.544	0.523	0.266*

Bold figures are direct effect

*, **: Significant at 0.05 and 0.01 levels, respectively.

HP: Height of plant, SP: Spread of plant, NLP: Number of leaves per plant, LAI: Leaf area index, NF: Number of flowers per plant, NFr: Number of fruits per plant, TSS: Total soluble solids, TA: Titratable acidity, RS: Reducing sugar, TS: Total sugars, AA: Ascorbic acid, FL: Fruit length, FW: Fruit width, FWt: Fresh fruit weight, FV: Fruit volume, DW: Dry fruit weight.

Table 4.6 Direct (Diagonal) and indirect effects of different traits contributing to yield in strawberry (Phenotypic level) (pooled data of two years)

	HP	SP	NLP	LAI	NF	NFr	TSS	TA	RS	TS	AA	FL	FW	FWt	FV	DW	Correlation with yield
HP	0.082	0.047	0.077	0.177	0.045	-0.076	0.019	0.029	0.055	0.089	0.075	0.115	0.097	0.065	-0.073	-0.083	0.740**
SP	0.061	0.042	0.017	0.186	0.033	-0.071	-0.043	0.033	-0.045	0.068	0.088	0.085	0.142	0.097	-0.077	0.018	0.634**
NLP	0.045	0.043	0.081	0.183	0.029	-0.086	0.019	-0.019	0.077	0.125	0.047	0.096	0.113	-0.105	-0.107	-0.084	0.457*
LAI	0.071	0.049	0.072	0.265	-0.015	-0.063	0.017	-0.036	0.087	0.113	0.046	0.115	0.098	0.087	-0.085	-0.093	0.728**
NF	0.055	0.025	0.049	0.113	0.017	-0.065	-0.018	-0.125	0.045	0.045	0.069	0.054	0.102	0.046	-0.065	-0.051	0.296*
NFr	-0.055	-0.023	0.087	-0.147	-0.069	0.159	0.023	0.048	-0.054	0.045	-0.069	0.074	0.069	-0.064	0.067	0.029	0.120
TSS	0.105	0.091	0.113	0.148	-0.031	-0.144	0.053	0.049	0.017	0.077	-0.058	0.077	0.097	0.123	-0.081	-0.083	0.553**
TA	-0.095	-0.039	-0.117	-0.158	0.036	0.135	0.115	-0.069	0.063	-0.095	-0.115	-0.081	-0.095	-0.096	-0.079	0.084	-0.606**
RS	0.069	0.033	-0.095	0.234	-0.065	-0.077	0.056	0.088	0.079	0.113	0.059	0.083	0.078	0.085	-0.091	-0.073	0.569**
TS	0.087	0.046	0.097	0.148	0.019	-0.085	0.046	-0.095	0.063	0.076	0.087	0.117	0.129	0.102	-0.073	-0.051	0.713**
AA	-0.061	-0.042	0.157	-0.177	0.032	0.143	0.112	-0.156	-0.023	0.045	-0.077	-0.085	-0.132	-0.085	-0.055	-0.065	-0.469
FL	0.052	0.027	0.087	0.224	-0.042	-0.143	0.098	0.118	0.055	0.025	0.077	0.187	0.098	0.149	-0.064	-0.095	0.853**
FW	0.068	0.067	0.065	0.236	0.036	-0.224	0.017	0.035	0.053	0.077	0.079	0.159	0.117	0.144	-0.091	-0.075	0.763**
FWt	0.081	0.055	-0.078	0.224	0.029	-0.224	0.033	-0.069	0.069	0.063	0.059	0.068	0.077	0.166	-0.092	-0.088	0.373*
FV	0.049	0.069	0.051	0.236	0.065	-0.198	0.071	0.085	0.045	0.085	0.087	0.211	0.109	0.155	-0.092	-0.119	0.909**
DW	0.057	0.047	0.129	0.219	0.044	-0.068	-0.069	0.061	0.059	0.069	0.045	0.216	0.086	0.128	-0.098	-0.125	0.800**

Bold figures are direct effect

*, **: Significant at 0.05 and 0.01 levels, respectively.

HP: Height of plant, SP: Spread of plant, NLP: Number of leaves per plant, LAI: Leaf area index, NF: Number of flowers per plant, NFr: Number of fruits per plant, TSS: Total soluble solids, TA: Titratable acidity, RS: Reducing sugar, TS: Total sugars, AA: Ascorbic acid, FL: Fruit length, FW: Fruit width, FWt: Fresh fruit weight, FV: Fruit volume, DW: Dry fruit weight.

Table 4.7 Per cent contribution of different characters of the total divergence in Strawberry genotypes (pooled data of two years)

S.No.	Characters	No of First Ranks	Rank Total	Contribution to total divergence (%)
1.	Height of plant (cm)	18	1623	11.32
2.	Spread of plant (cm)	13	2314	8.18
3.	Number of leaves per plant	09	1812	5.66
4.	Leaf area index (cm ²)	19	2303	11.95
5.	Number of flowers per plant	00	1964	0.00
6.	Number of fruits per plant	02	2082	1.26
7.	Fruit length (cm)	01	1999	0.63
8.	fruit width (cm)	08	1632	5.03
9.	Fresh fruit weight (g)	00	2118	0.00
10.	Fruit volume (ml)	04	1686	2.52
11.	Dry fruit weight (g)	13	1622	8.18
12.	TSS (⁰ Brix)	16	1503	10.06
13.	Titrateable acidity (%)	27	1556	16.98
14.	Reducing sugar (%)	18	1754	11.32
15.	Total sugars (%)	03	1667	1.89
16.	Vitamin C (mg/100 g)	04	1624	2.52
17.	Fruit yield per plant (g)	04	1856	2.52
	Total	159		100.00

Table 4.8 Grouping of strawberry genotypes based on D² Values (pooled data of two years)

S. No.	Cluster No	Number of Genotypes	Name of Genotypes
1	I	5	Sweet Charlie, Winter Dawn, Camarosa, Chandler, Addie
2	II	4	Red Coat, Swiss, Jeolikote Local, Gorella
3	III	8	Jucunda, Sweet Heart, Mecharenj, Fern , Red Ground, Pusa Early Dwarf, CH III 40, Belrubu
4	IV	3	IC 318915, IC 319153, IC 318916

Table 4.9 Average intra and inter cluster D² and D values of strawberry genotypes (pooled data of two years)

	Cluster I	Cluster II	Cluster III	Cluster IV
Cluster I	3.057	3.741	5.415	9.022
Cluster II		3.019	4.021	5.027
Cluster III			5.381	4.918
Cluster IV				4.117

Table 4.10 Cluster mean values for 17 characters in strawberry genotypes (pooled data of two years)

Characters	Cluster I	Cluster II	Cluster III	Cluster IV
Height of plant (cm)	10.15	09.85	09.54	08.05
Spread of plant (cm)	21.06	20.57	20.34	17.47
Number of leaves per plant	10.48	09.87	10.17	11.66
Leaf area index (cm ²)	35.44	30.24	29.99	09.44
Number of flowers per plant	09.43	08.77	08.73	08.57
Number of fruits per plant	05.30	06.31	06.12	06.36
Fruit length (cm)	04.93	04.20	04.30	03.34
fruit width (cm)	03.66	02.90	03.07	02.14
Fresh fruit weight (g)	24.00	16.88	16.11	03.53
Fruit volume (ml)	23.95	16.87	15.77	03.45
Dry fruit weight (g)	02.21	01.39	01.37	00.34
TSS (° Brix)	09.88	09.40	08.99	07.54
Titrateable acidity (%)	00.80	00.82	00.76	00.79
Reducing sugar (%)	04.16	04.04	04.06	03.42
Total sugars (%)	05.50	05.16	05.24	04.52
Vitamin C (mg/100 g)	71.01	69.67	66.32	70.58
Fruit yield per plant (g)	124.52	112.84	110.14	27.99

Table 4.11 Growth flowering and fruiting performance of strawberry cultivars (pooled data of two years)

Genotypes	Height of plant (cm)	Spread of plant (cm)	Number of leaves per plant	Leaf area index (cm²)	Number of flowers per plant	Number of fruits per plant
Sweet Charlie	9.91	21.05	10.28	39.68	9.76	4.88
Winter Dawn	10.34	21.57	10.58	35.49	9.29	4.79
Camarosa	10.20	21.37	10.77	38.62	8.93	4.76
Chandler	10.05	20.53	10.37	30.23	9.48	5.87
Red Coat	9.84	20.81	10.14	32.46	9.27	6.20
Addie	10.27	20.80	10.42	33.17	9.70	6.20
Swiss	9.95	20.63	9.93	32.35	8.75	6.21
Jeolikote Local	9.80	20.26	9.77	27.65	8.87	6.59
Gorella	9.79	20.59	9.63	28.53	8.22	6.22
Jucunda	9.44	20.15	9.78	26.99	8.92	6.23
Wild (IC 318915)	7.89	17.52	11.50	9.74	8.30	6.12
Sweet Heart	9.69	20.47	10.22	36.41	8.55	6.00
Mecharanj	9.56	20.58	10.28	32.66	8.59	6.22
Fern	9.45	20.30	10.11	26.38	8.57	6.20
Red Ground	9.55	20.55	10.38	27.95	8.60	6.22
Pusa Early Dwarf	9.70	20.35	10.03	32.29	8.65	5.84
Wild (IC 319153)	8.04	17.51	11.88	8.85	8.71	6.31
CH III 40	9.44	20.22	10.26	26.72	8.97	6.26
Belruby	9.48	20.08	10.33	30.50	8.99	6.00
Wild (IC 318916)	8.22	17.37	11.62	9.74	8.69	6.63
Mean	9.53	20.14	10.41	28.32	8.89	5.99
SE m±	0.22	0.20	0.16	0.50	0.09	0.11
CD (P=0.05)	0.63	0.58	0.47	1.42	0.27	0.31

Table 4.12 Fruiting and yield performance of strawberry cultivars (pooled data of two years)

Genotypes	Fruit length (cm)	Fruit width (cm)	Fresh Fruit weight (g)	Fruit volume (ml)	Dry fruit weight (g)	Yield per plant (g)
Sweet Charlie	5.34	4.03	27.26	27.22	2.63	137.87
Winter Dawn	5.29	4.12	28.67	28.58	2.55	130.37
Camarosa	5.37	4.15	30.39	30.40	2.67	125.73
Chandler	4.35	3.09	16.69	16.63	1.52	111.93
Red Coat	4.27	3.03	15.62	15.63	1.22	114.01
Addie	4.30	2.92	16.97	16.94	1.69	116.66
Swiss	4.32	2.96	20.18	20.18	1.74	114.17
Jeolikote Local	3.92	2.76	14.08	14.05	1.19	110.20
Gorella	4.31	2.84	17.63	17.61	1.39	112.99
Jucunda	4.45	3.14	14.91	14.93	1.19	110.15
Wild (IC 318915)	3.34	2.08	3.82	3.70	0.37	24.02
Sweet Heart	4.29	3.13	16.90	16.90	1.50	108.54
Mecharanj	4.27	3.09	14.94	14.93	1.26	112.40
Fern	4.31	3.09	15.99	14.98	1.35	112.89
Red Ground	4.30	3.04	18.50	18.42	1.52	115.66
Pusa Early Dwarf	4.16	2.87	12.96	12.95	1.15	104.06
Wild (IC 319153)	3.36	2.14	3.63	3.60	0.36	30.12
CH III 40	4.34	3.17	17.94	16.23	1.53	113.72
Belruby	4.24	3.04	16.78	16.82	1.48	103.67
Wild (IC 318916)	3.31	2.19	3.15	3.05	0.30	29.83
Mean	4.29	3.04	16.35	16.19	1.43	101.95
SE m±	0.05	0.05	1.69	1.64	0.17	1.62
CD (P=0.05)	0.15	0.14	4.84	4.71	0.48	4.632

Table 4.13 Qualitative performance of strawberry cultivars (pooled data of two years)

Genotypes	TSS (° Brix)	Titratable Acidity (%)	Reducing sugar (%)	Total sugars (%)	Ascorbic acid (mg/100 g)
Sweet Charlie	9.56	0.88	4.44	5.77	75.07
Winter Dawn	10.43	0.75	4.01	5.43	68.07
Camarosa	9.93	0.70	4.05	5.46	68.47
Chandler	10.62	0.87	4.42	5.83	78.73
Red Coat	9.76	0.91	4.47	5.65	73.20
Addie	8.86	0.80	3.91	5.03	64.73
Swiss	8.92	0.74	3.63	4.93	65.60
Jeolikote Local	8.44	0.71	4.00	4.76	68.33
Gorella	10.49	0.89	4.05	5.32	71.53
Jucunda	9.04	0.77	4.02	5.26	64.80
Wild (IC 318915)	7.48	0.79	3.42	4.47	70.53
Sweet Heart	8.99	0.75	3.63	4.89	65.80
Mecharanj	9.04	0.75	4.08	5.25	68.27
Fern	7.99	0.87	4.11	5.25	66.53
Red Ground	9.23	0.73	4.02	5.17	65.07
Pusa Early Dwarf	9.77	0.73	4.07	5.19	66.20
Wild (IC 319153)	7.58	0.78	3.40	4.49	71.07
CH III 40	9.07	0.76	4.22	5.36	66.60
Belruby	8.80	0.74	4.34	5.57	67.27
Wild (IC 318916)	7.56	0.80	3.42	4.58	70.13
Mean	9.08	0.79	3.99	5.18	68.80
SE m±	0.15	0.01	0.02	0.04	0.74
CD (P=0.05)	0.43	0.018	0.049	0.108	2.127

Table 4.14 Sensory panel scores for skin colour, flavor, taste, texture and juiciness of strawberry (pooled data of two years)

Genotypes	Skin Colour	Flavour	Taste	Texture	Juiciness	Overall acceptability
Sweet Charlie	7.53	6.98	6.83	7.28	7.10	7.17
Winter Dawn	6.95	6.60	6.92	6.95	7.27	6.94
Camarosa	7.13	6.63	7.12	6.95	7.13	6.99
Chandler	6.35	7.07	7.40	6.83	6.53	6.78
Red Coat	5.75	5.80	5.95	6.88	5.97	6.07
Addie	5.97	6.02	6.82	5.88	5.83	6.10
Swiss	5.97	6.93	6.38	5.82	5.92	6.20
Jeolikote Local	5.63	6.30	6.10	5.18	6.32	5.91
Gorella	6.03	6.20	6.50	4.98	5.48	5.84
Jucunda	5.97	6.63	6.93	5.82	5.37	6.14
Wild (IC 318915)	4.35	3.57	3.58	3.55	4.07	3.82
Sweet Heart	4.67	5.82	6.18	4.67	5.37	5.34
Mecharanj	4.93	6.90	6.75	5.38	5.63	5.95
Fern	6.15	6.78	6.80	5.80	5.85	6.40
Red Ground	5.17	5.22	5.67	5.07	5.03	5.23
Pusa Early Dwarf	5.92	6.33	6.00	5.08	5.67	5.80
Wild (IC 319153)	4.37	4.37	3.98	3.72	4.03	4.09
CH III 40	5.72	6.38	6.83	5.43	5.02	5.88
Belruby	6.07	6.13	6.17	5.03	5.20	5.72
Wild (IC 318916)	3.17	3.98	4.10	2.90	4.48	3.73
CD at 5 % (P=0.05)	0.23	0.28	0.08	0.06	0.06	0.07