

Table 5 Selection score of brinjal genotypes based on best selection index

S.L.	Genotype	(Means of Character x Economic Weight) Yield/plant + No. of fruits in inflorescence/plant + No. of fruits in solitary/plant	Selection score
1	Kata Begun	$(1724.23 \times 0.0006) + (3.66 \times 0.1261) + (8.5 \times 0.2334)$	3.48
2	Green Beauty	$(1074.13 \times 0.0006) + (1 \times 0.1261) + (4.16 \times 0.2334)$	1.74
3	Islampuri Tal Begun	$(2398.91 \times 0.0006) + (6.33 \times 0.1261) + (5.16 \times 0.2334)$	3.44
4	Debjhuri Hajari	$(3080.17 \times 0.0006) + (32.83 \times 0.1261) + (4.58 \times 0.2334)$	7.06
5	Begun Singhnat	$(3407.42 \times 0.0006) + (6.66 \times 0.1261) + (1.75 \times 0.2334)$	3.29
6	BARI-6	$(1450.04 \times 0.0006) + (2.16 \times 0.1261) + (4.67 \times 0.2334)$	2.23
7	BARI-7	$(1458.24 \times 0.0006) + (15.66 \times 0.1261) + (1.5 \times 0.2334)$	3.20
8	BARI-8	$(540.67 \times 0.0006) + (6 \times 0.1261) + (0.83 \times 0.2334)$	1.28
9	BARI-9	$(2439.13 \times 0.0006) + (3.66 \times 0.1261) + (11.83 \times 0.2334)$	4.69
10	BARI-10	$(806.25 \times 0.0006) + (7.66 \times 0.1261) + (1.33 \times 0.2334)$	1.76
11	Banani	$(2085.98 \times 0.0006) + (8 \times 0.1261) + (7.16 \times 0.2334)$	3.93
12	Kajla	$(2659.76 \times 0.0006) + (27.67 \times 0.1261) + (3.5 \times 0.2334)$	5.90
13	Sraboni	$(2444.96 \times 0.0006) + (6.16 \times 0.1261) + (7 \times 0.2334)$	3.88
14	Sada Begun	$(4587.88 \times 0.0006) + (13.91 \times 0.1261) + (5 \times 0.2334)$	5.67
15	Fata Begun	$(1042.5 \times 0.0006) + (1 \times 0.1261) + (4.25 \times 0.2334)$	1.74
16	Parthib	$(1179.14 \times 0.0006) + (2.66 \times 0.1261) + (4.5 \times 0.2334)$	2.09
17	BNB-478	$(670 \times 0.0006) + (7 \times 0.1261) + (3 \times 0.2334)$	1.98
18	Nandini	$(710 \times 0.0006) + (8.33 \times 0.1261) + (1.66 \times 0.2334)$	1.87
19	Singhnat 60	$(407.49 \times 0.0006) + (3.66 \times 0.1261) + (2.5 \times 0.2334)$	1.29
20	Tal Begun	$(440.81 \times 0.0006) + (1.75 \times 0.1261) + (2.66 \times 0.2334)$	1.11
21	Singhnat HYV Brinjal	$(1860 \times 0.0006) + (0.66 \times 0.1261) + (4.33 \times 0.2334)$	2.21