

Bottle Gourd Genetic Resources Characterization Descriptor

S.No.	Descriptor	No.of observation	Method of data record	Stage of the crop
1	Early Plant Vigour	Visual observation	1 - Poor, 2 - Good, 3- Very good 4 - Other	To be recorded after 30 days of Sowing
2	Plant Growth Habit	5 random plants	1 –Short Viny, 2- Medium Viny, 3- Long Viny, 4-Other	To be recorded on fully grown Plant
3	Tendrill Type	Visual observation	1- Coiled, 2- Straight, 3- Other	To be recorded at flowering Stage
4	Tendrill branching	Visual observation	1- Unbranched, 2- Branched, 3- Other	To be recorded at flowering Stage
5	Leaf Shape	Visual observation	1- Cordate, 2- oblong, 3- ovate, 4- ovavate, 5- reniform, 6-other	To be recorded at full foliage stage
6	Leaf size	Visual observation	1- Small, 2- medium, 3- large, 4- other	To be recorded at full foliage stage
7	Internode Length (cm)	5 random plants	Quantitative	To be recorded as average of distance between 4 th and 5 th node in 5-10 random plants at full foliage stage
8	Days to 50% Floweing	5 random plants	Quantitative	To be recorded as number of days from sowing/transplanting date to the date when at least 50% of plants show first female flower open
9	Sex Type	Visual observation	1- Monoecious, 2- Gynomonoecious, 3- Andromonoecious, 4- Gyno Andromoecious, 5- Androecious, 6- Gynoeccious, 7- Others	To be recorded at flowering stage
10	Sex Ratio	Visual observation	Quantitative	To be recorded as ratio of female to male flowers at flowering stage
11	Flower Colour	Visual observation	1-White, 2- Cream, 3- Yellow, 4- Orange, 5- other	To be recorded at flowering stage
12	Peduncle Length	5 random fruits	Quantitative	To be recorded as average of 5-10 random fruits at marketable stage
13	Fruit shape	Visual observation	1-Elliptical, 2- Elongate, 3-Pyriform, 4- Oblong, 5-Club Shaped, 6-Top shaped, 7-Globular, 8- Dumbbellshaped, 9- Kamandal Shaped, 10-Lengthened cylindrical, 11- others	To be recorded at marketable stage
14	Fruit skin colour	Visual observation	1-Light green, 2-Green, 3-Dark green, 4- Patchy green, 5- others	To be recorded at marketable stage
15	Fruit Taste	5 random fruits	1-Sweet, 2-Bitter, 3-Others	To be recorded on marketable fruits
16	Seed length-breadth ratio	5 random seeds	Quantitative	TO be recorded as average of length-breadth of 5-10 random seeds
17	Vine Length (cm)	Visual observation	Quantitative	To be recorded from ground level to the tip of the main stem/vine at peak fruiting stage.
18	Number of Primary branches	5 random plants	Quantitative	To be recorded as average of same 10 plants at the end of flowering stage. The branch that arises from the main vine/stem is known as primary branching
19	Days to first fruit harvest	5 random plants	Quantitative	To be recorded as number of days from date of sowing/transplanting to the date of first marketable fruits

				harvest
20	Days to last fruit harvest	Visual observation	Quantitative	To be recorded as number of days from date of sowing/transplanting to the date of last marketable fruit harvest
21	Number of marketable fruit per plants	5 random plants	Quantitative	To be recorded as total number of fruit pickings
22	Number of Fruits per Plant	5 random plants	Quantitative	To be recorded as average of same 5 plants
23	Yield of fruits per plants (Kg)	5 random plants	Quantitative	To be recorded as average of Cumulative yield of all picking in same 5 plants.
24	Fruit length (cm)	5 random fruits	Quantitative	To be recorded as average of 5-10 random fruits at marketable stage.
25	Fruit width (cm)	5 random fruits	Quantitative	To be recorded as average of same 5-10 fruits at marketable stage