

Watermelon 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 - Intermediate, 3 – Good, 4 - Other	To be recorded after 30 days of Sowing
2	Plant Growth Habit	5 random plants	1- Bushy 2- Runner	To be recorded on fully grown Plant
3	Leaf Blade	Visual observation	1-Weak, 2-Intermediate, 3- Strong	Degree of secondary lobbing , To be observed at the largest leaf between the fifteenth and twentieth node of the main stem
4	Hermaphroditic flowers	Visual observation	1- Absent, 2- Present	To be recorded at flowering stage
5	Number of fruits per plants	5 random plants	Quantitative	To be recorded at maturity stage
6	Fruit weight (g)	5 random Fruits	Quantitative	To be recorded at maturity stage
7	Fruit shape	Visual observation	1-Flattened, 2-Round, 3-Broad elliptical, 4- Elliptical, 5- Pyriform, 6-Oblong	To be recorded at marketable stage
8	Yield per Plants	5 random plants	Quantitative	To be recorded as average of cumulative yield of all pickings in same 5 Plants
9	Predominant (or ground) fruit skin	Visual observation	1-Light green, 2-Medium green, 3-Dark green, 4-White, 5-Yellow, 6-Brown, 7- Other	To be observed at physiological maturity
10	Secondary fruit skin colour pattern	Visual observation	1-No secondary fruit skin colour, 2-Solid, 3-Stripped, 4-Spotted, 5-Mixed, 6-other	To be observed at physiological maturity
11	Vine Length (cm)	5 random plants	Quantitative	To be measured at peak fruiting stage from ground level to the tip of main stem on 5 random plants
12	Number of Primary branches	5 random plants	Quantitative	To be recorded as average of same 5 Plants at the end of Flowering Stage. The branches that arises from the main vine/stem is known as primary branch.
13	Fruit skin stripe colour	5 random plants	1-Light, 2-Medium green, 3-Dark green, 4-White, 5- yellow, 6- brown, 7-other	To be recorded at physiological maturity
14	Flesh colour	Visual observation	1-Red, 2-Pink, 3-Canary yellow, 4-salmon yellow, 5- White, 6-Mixed, 7-Orange, 8-Green, 9-Other	Colour of ripe Fruit flesh
15	Distribution of Grooves	Visual observation	1-Absent, 2-At basal half, 3-At apical half, 4-On whole fruit	To be recorded at maturity stage
16	Fruit bitterness	5 random fruits	1-Absent, 2-Slightly, 3-bitter	To be recorded at maturity stage
17	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.
18	Number of seeds per fruit	5 random plants	Quantitative	To be recorded as average of 5-10 random mature fruits
19	Seed colour	Visual observation	1-brown, 2-Dark Brown, 3-Tan, 4- White	To be recorded on fully dried seeds
20	100 Seed weight (g)	100 random seeds	Quantitative	To be recorded as average of 100 random dry seeds
21	Biotic stress susceptibility	Visual observation	1-Low or no visible sign of susceptibility, 2- Low, 3- Intermediate, 4- High, 6- Very High	Specify the infestation or infection using any 1-9 scale