| Plant E | Egg plant |  | 445 | Primary essential character |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No | Characters | No. of samples | Methods | Rank or measurement unit | Remarks |
| 1 | Size of leaf blade | 10 plants | Measurement | cm (round to the 1st decimal place) | Length from leaf base to leaf apex in the largest leaf at the first flowering stage |
| 2 | Leaf lobation | 10 plants | Measurement | cm (round to the 1st decimal place) | Depth of lobation in the largest leaf |
| 3 | Time of beginning of flowering | 10 plants | Observation | 3:Early 5:Medium 7:Late 9:Extremely late | Date of the first flowering |
| 4 | Intensity of purple color of flower | 10 plants | Observation | 1:White 3:Light purple 5:Purple 7:Dark purple | Color of the typical flower |
| 5 | Branching angle | 10 plants | Measurement | (integer) | Angle of the lender shoot and the lateral shoot below the first flower |
| 6 | Number of flowers | 10 plants | Measurement | (integer) | Mean number of flowers at the second and third clusters |
| 7 | Mature fruit length | 10 fruits | Measurement | cm (round to the 1st decimal place) | Length of the typical mature fruit with fruit calyx |
| 8 | General shape of fruit | 10 fruits | Observation | ```1:Flattened 2:Globular 3:Ovate 4:Obovate 5:Pear shaped 6:Club shaped 7:Ellipsoid 8:Cylindrical``` | Shape of typical fruits at harvest time |
| 9 | Main color of fruit skin | 10 fruits | Observation | 1:White 2:Green 3:Violet | Color of typical fruits at harvest time |
| 10 | Intensity of anthocyanin coloration underneath calyx | 10 fruits | Observation | 1:White 3:Green 5:Purple-Red 7:Purple-Black | Fruit color covered by fruit calyx of typical fruits at harvest time |
| 11 | Intensity of anthocyanin coloration of hypocotyl of seedling | 10 plants | Observation | $\begin{array}{ll} \text { 0:Absent } & \text { 1:Very weak } 3: \text { Weak } 5: \text { Medium } \\ 7: \text { Strong } & \text { 9:Very strong } \end{array}$ | At cotyledonary stage |


| Plant E | Egg plant |  |  | 445 | Primary essential character |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No | Characters | No. of samples | Methods |  | Rank or measurement unit | Remarks |
| 12 | Growth habit of plant | 10 plants | Observation | 1:Erect | 3:Semi-erect 5:Horizontal | At harvest time |
| 13 | Ratio length/maximum diameter of fruit | 10 fruits | Measurement | (round | to the 2nd decimal place) | Typical fruits at harvest time |
| 14 | Prominence of stripes of fruit | 10 fruits | Observation | 0 : Absent | 3:Weak 5:Medium 7:Strong | Typical fruits at harvest time |
| 15 | Ribs of fruit | 10 fruits | Observation | 0 :Absent <br> 7:Strong | 1:Very weak 3:Weak 5:Medium 9:Very strong | Typical fruits at harvest time |
| 16 | Color of flesh | 10 fruits | Observation | 1:Whitish | 2:Greenish | Typical fruits at harvest time |


| Plant | Egg plant |  | 445 | Primary optional character |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No | Characters | No. of samples | Methods | Rank or measurement unit | Remarks |
| 1 | Plant height | 10 plants | Observation | 1:Very short 3:Short 5:Medium 7:Tall 9:Very tall | Height (cm) of the typical plants at harvest time |
| 2 | Plant branching | 10 plants | Observation | 1:Extremely weak 3:Weak 5:Intermediate 7:Strong 9:Extremely strong | Number of branches per typical plants at harvest time |
| 3 | Stem thickness | 10 plants | Observation | 1:Extremely thin 3:Thin 5:Intermediate 7:Thick 9:Extremely thick | Stem thickness of typical plants at harvest time |
| 4 | Anthocyanin coloration of stem | 10 plants | Observation | 1:Absent 9:Present | Typical plants at harvest time |
| 5 | Intensity of anthocyanin coloration of stem | 10 plants | Observation | 1:Very light 3:Light 5:Medium 7:Strong 9:Very strong | Color of stem apex on typical plant at harvest time |
| 6 | Pubescence on stem | 10 plants | Observation | 0:Absent 3:Weak 5:Medium 7:Strong | Degree of pubescence on stems of typical plants at harvest time |
| 7 | Leaf shape | 10 plants | Observation | 1:Extremely narrow 3:Narrow 5:Intermediate 7:Broad 9:Extremely wide | The largest leaf of typical plants at the first flowering time |
| 8 | Sinuation of margin of leaf blade | 10 plants | Observation | 0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong | The largest leaf of typical plants at the first flowering time |
| 9 | Size of pistil scar | 10 plants | Observation | 1:Very small 3:Small 5:Medium 7:Large 9:Very large | Size of pistil scar of typical fruits at harvest time |
| 10 | Shape of fruit apex | 10 plants | Observation | 1:Indented 2:Flattened 3:Rounded 4:Protruded | Shape of apex of typical fruits at harvest time |
| 11 | Patches of fruit skin | 10 plants | Observation | 0:Absent 9:Present | At harvest time |
| 12 | Intensity of main color of fruit skin | 10 plants | Observation | 1:Very light 3:Light 5:Medium 7:Strong 9:Very strong | Typical fruits at harvest time |


| Plant | Egg plant |  | 445 | Primary optional character |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No | Characters | No. of samples | Methods | Rank or measurement unit | Remarks |
| 13 | Glossiness of fruit | 10 plants | Observation | 3:Weak 5:Medium 7:Strong | Glossiness of fruit under bad conditions such as high temperature or drought |
| 14 | Intensity of anthocyanin coloration of calyx | 10 plants | Observation | $\begin{array}{ll}\text { 0:Absent } & \text { 1:Very weak } 3: \text { Weak } \\ \text { 7:Strong } & \text { 9:Very strong }\end{array}$ | Typical fruits at harvest time |
| 15 | Size of calyx | 10 plants | Observation | 1:Very small 3:Small 5:Medium 7:Large 9:Very large | Calyx size of typical fruit at harvest time |
| 16 | Spininess of calyx | 10 plants | Observation | 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong | Strength of spin on fruit calyx under relatively low temperature conditions |
| 17 | Shape of fruit calyx | 10 plants | Observation | 1:Normal 2:One side is longer than others | Shape of calyx of typical fruits at harvest time |
| 18 | Diameter of mature fruit | 10 fruits | Measurement | cm (round to the 1st decimal place) | The maximum diameter of typical mature fruits |
| 19 | Weight of mature fruit | 10 fruits | Measurement | gram (integer) | Weight of the typical mature fruits |
| 20 | ```Distance from cotyledons to the node of the first flower``` | 10 plants | Measurement | cm (integer) | At the first flowering stage |
| 21 | Blistering of leaf blade | 10 plants | Observation | 0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong | At harvest time |
| 22 | Intensity of green color of leaf blade | 10 plants | Observation | 3:Light 5:Medium 7:Dark | At harvest time |
| 23 | Size of flower | 10 flowers | Measurement | mm (integer) | At harvest time |
| 24 | Depth of indentation of pistil scar | 10 fruits | Observation | 0:Absent 1:Very shallow 3:Shallow 5:Medium 7:Deep 9:Very deep | Typical fruits at harvest time |


| Plant | Egg plant |  |  | Primary optional character |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No | Characters | No. of samples | Methods | Rank or measurement unit | Remarks |
| 25 | Curvature of fruit (Only for varieties with cylindrical fruits) | 10 fruits | Observation | 0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong | Typical fruits at harvest time |
| 26 | Density of stripes of fruit | 10 fruits | Observation | 3:Sparse 5:Medium 7:Dense | Typical fruits at harvest time |
| 27 | Length of peduncle of fruit | 10 fruits | Measurement | mm (integer) | Typical fruits at physiological ripeness |
| 28 | Creasing of calyx of fruit | 10 fruits | Observation | 0:Absent 1:Very weak 3:Weak 5:Medium 7:Strong 9:Very strong | Typical fruits at harvest time |
| 29 | Color of fruit skin at physiological ripeness | 10 fruits | Observation | 1:Yellow 2:Orange 3:Ochre 4:Brown | Typical fruits at physiological ripeness |
| 30 | Time of physiological <br> ripeness | 10 plants | Observation | 3:Early 5:Medium 7:Late | Date of the physiological ripeness |


| Plant | Egg plant |  |  | Secondary essential character |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No | Characters | No. of samples | Methods | Rank or measurement unit |  | Remarks |
| 1 | Resistance to bacterial <br> wilt | 20 plants | Observation | ```1:Extremely low 3:Low 5:Intermediate 9:Extremely high``` | 7:High | Natural infection (or seedling inoculation) |
| 2 | Resistance to Fusarium wilt | 20 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 9:Extremely high | 7:High | Natural infection (or seedling inoculation) |
| 3 | Resistance to Verticillium wilt | 20 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 9:Extremely high | 7:High | Natural infection (or seedling inoculation) |
| 4 | Resistance to spider mite | 20 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 9:Extremely high | 7:High | Natural infection (or artificial inoculation) |
| 5 | Resistance to Thrips palmi | 20 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 9:Extremely high | 7:High | Natural infection (or artificial inoculation) |


| Plant | Egg plant |  |  | Secondary optional character |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No | Characters | No. of samples | Methods | Rank or measurement unit | Remarks |
| 1 | Shelf life of fruits | 20 fruits | Observation | 1:Extremely short 3:Short 5:Intermediate 7:Long 9:Extremely long |  |
| 2 | Ripening speed of seeds | 20 plants | Observation | 1:Extremely early 3:Early 5:Intermediate 7:Late 9:Extremely late | Degree of maturing of seeds in fruits |
| 3 | Heat tolerance | 10 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high |  |
| 4 | Cold tolerance | 10 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high |  |
| 5 | Low temperature growth of fruits | 10 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high |  |
| 6 | Wet endurance | 10 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high |  |
| 7 | Drought tolerance | 10 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high |  |
| 8 | ```Tolerance to physiological disorder (Tolerance to Mg deficiency)``` | 10 plants | Observation | 1:Extremely low 3:Low 5:Intermediate 7:High 9:Extremely high |  |


| Plant $\quad$ Egg plant |  |  |  |  | Tertiary optional character |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No | Characters |  | No. of samples | Methods | Rank or measurement unit | Remarks |
| 1 | Adaptability for <br> processing (for <br> pickles, etc.) |  | 30 fruits | Sensory | 1:Extremely poor 3:Poor 5:Intermediate 7:Good 9:Excellent | Evaluate after processing |

