



## AVRDC-GRSU CHARACTERIZATION RECORD SHEET

Crop: *Momordica spp.*  
 Plot No. : \_\_\_\_\_ Accession No. : \_\_\_\_\_  
 Sowing Date: \_\_\_\_\_ Name: \_\_\_\_\_  
 Transplanting Date: \_\_\_\_\_ Species: \_\_\_\_\_  
 Location: \_\_\_\_\_ Origin: \_\_\_\_\_

### SEEDLING DATA

**Mo01** Germination period (no. of days from sowing to first germination) \_\_\_\_\_  
**Mo02** Cotyledon color \_\_\_\_\_  
 1 = Light green 2 = Green 3 = Dark green  
**Mo03** Cotyledon size \_\_\_\_\_  
 1 = Small 2 = Medium 3 = Large

### VEGETATIVE DATA

**Mo04** Plant growth \_\_\_\_\_  
 1 = Slender 2 = Normal 3 = Vigorous  
**Mo05** No. of branches \_\_\_\_\_  
 1 = Low 2 = Medium 3 = Many  
**Mo06** Vine length (cm) \_\_\_\_\_  
 \_\_\_\_\_  
**Mo07** Main vine diameter (cm) \_\_\_\_\_  
 \_\_\_\_\_  
**Mo08** Internode length on main vine (cm) \_\_\_\_\_  
 \_\_\_\_\_  
**Mo09** First true-leaf blade apex \_\_\_\_\_  
 1 = Cuspidate 2 = Truncate 3 = Tri-cuspidate

**Mo10** First true-leaf blade margin \_\_\_\_\_  
1 = Denticulate 2 = Sinuate

**Mo11** Leaf color \_\_\_\_\_  
1 = Light green 2 = Green 3 = Dark green

**Mo12** Leaf blade shape \_\_\_\_\_  
1 = Round 2 = Cordate 3 = Obovate 4 = Tribobum X = Mixture

**Mo13** Leaf blade lobbing \_\_\_\_\_  
1 = Weak 2 = Intermediate 3 = Strong

**Mo14** Leaf blade margin \_\_\_\_\_  
1 = Repand 2 = Between serrate to dentate 3 = Entre

**Mo15** Leaf blade tip angle \_\_\_\_\_  
1 = Obtuse 2 = Acute

**Mo16** Number of lobe \_\_\_\_\_  
\_\_\_\_\_

**Mo17** Length of petiole (cm) \_\_\_\_\_  
\_\_\_\_\_

**Mo18** Days to climbing \_\_\_\_\_

**INFLORESCENCE DATA**

**Mo19** Days to flowering of male flower \_\_\_\_\_

**Mo20** Days to flowering of female flower \_\_\_\_\_

**Mo21** First male flower position (no. of node) \_\_\_\_\_

**Mo22** First female flower position (no. of node) \_\_\_\_\_

**Mo23** Pistillate flower shape \_\_\_\_\_  
1 = Spherical 2 = Lanceolate

**Mo24** Ovary color \_\_\_\_\_  
1 = Light green 2 = Green 3 = Dark green

**Mo25** Ovary length (cm) \_\_\_\_\_  
\_\_\_\_\_

- Mo26** Ovary width (cm) \_\_\_\_\_
- \_\_\_\_\_
- Mo27** Ovary shape \_\_\_\_\_
- 1 = Slender 2 = Elliptic 3 = Globose 4 = Oblong
- Mo28** Time of anthesis \_\_\_\_\_
- 1 = Morning 2 = Dusk

**FRUIT DATA**

- Mo29** Fruit set \_\_\_\_\_
- 1 = Poor 2 = Medium 3 = Good
- Mo30** Days to harvesting at commercial stage \_\_\_\_\_
- Mo31** Fruit color at immature stage \_\_\_\_\_
- 1 = Green 2 = Pale green 3 = Light green  
4 = Dark green 5 = Cream X = Mixture
- Mo32** Days to harvesting at physiological mature stage \_\_\_\_\_
- Mo33** Fruit color at mature stage \_\_\_\_\_
- 1 = Yellow 2 = Orange
- Mo34** Fruit weight (gm) (at commercial stage) \_\_\_\_\_
- \_\_\_\_\_
- Mo35** Fruit length (cm) (at commercial stage) \_\_\_\_\_
- \_\_\_\_\_
- Mo36** Fruit width (cm) (at commercial stage) \_\_\_\_\_
- \_\_\_\_\_
- Mo37** Fruit wall thickness (cm) (at commercial stage) \_\_\_\_\_
- \_\_\_\_\_
- Mo38** Fruit shape (at commercial stage) \_\_\_\_\_
- 1 = Cylindrical 2 = Elliptical 3 = Fusiform  
4 = Ovate 5 = Oblong 6 = Spherical  
X = Mixture
- Mo39** Fruit surface (at commercial stage) \_\_\_\_\_
- 1 = Acute warty 2 = Warty 3 = Ribbed X = Mixture

**Mo40** Warty pattern on fruit (at commercial stage) \_\_\_\_\_  
 1 = Weak                      2 = Intermediate                      3 = Warty  
 4 = Very warty                      X = Mixture

**Mo41** Fruit ribbing (at commercial stage) \_\_\_\_\_  
 1 = Shallow    2 = Slightly deep    3 = Deep    X = Mixture

**Mo42** Pedicel length (cm) (at commercial stage) \_\_\_\_\_  
 \_\_\_\_\_

**Mo43** Peduncle length (cm) (at commercial stage) \_\_\_\_\_  
 \_\_\_\_\_

**Mo44** Easiness of fruit to crack (at physiology mature stage) \_\_\_\_\_  
 1 = High    2 = Medium    3 = Low

**Mo45** Fruit fresh color (at commercial stage) \_\_\_\_\_  
 1 = White                      2 = Yellow white                      3 = Green  
 4 = Dark green                      X = Mixture

**Mo46** Bitterness (at commercial stage) \_\_\_\_\_  
 1 = Thin    2 = Medium    3 = Thick

**SEED DATA**

**Mo47** Seed color \_\_\_\_\_  
 1 = Light brown                      2 = Light brown and brown at the middle  
 3 = Light brown and black                      4 = Light yellow and brown at the middle  
 5 = Brown                      6 = Black and cream  
 7 = Black

**Mo48** Seed coat mottling \_\_\_\_\_  
 1 = Absent    2 = Present

**Mo49** Seed shape \_\_\_\_\_  
 1 = Elliptical    2 = Round    3 = Ovate    4 = Obovate

**Mo50** Seed length (mm) \_\_\_\_\_  
 \_\_\_\_\_

**Mo51** Seed width (mm) \_\_\_\_\_  
 \_\_\_\_\_

**Mo52** Seed thickness (mm) \_\_\_\_\_  
 \_\_\_\_\_

- Mo53** Texture of seed coat \_\_\_\_\_  
 1 = Fine 2 = Intermediate 3 = Rough 4 = Very rough
- Mo54** Number of seed per fruit (at physiology mature stage) \_\_\_\_\_  
 \_\_\_\_\_
- Mo55** 100 seeds weight (gm) \_\_\_\_\_

**DISEASE REACTION**

- Mo56** Wilt \_\_\_\_\_  
 1 = Resistant 2 = Intermediate 3 = Susceptible
- Mo57** Root Knot Nematode \_\_\_\_\_  
 1 = Resistant 2 = Intermediate 3 = Susceptible
- Mo58** Viruses \_\_\_\_\_  
 1 = Resistant 2 = Intermediate 3 = Susceptible
- Mo59** Anthracnose \_\_\_\_\_  
 1 = Resistant 2 = Intermediate 3 = Susceptible
- Mo60** Little Leaf \_\_\_\_\_  
 1 = Resistant 2 = Intermediate 3 = Susceptible
- Mo61** Powdery mildew \_\_\_\_\_  
 1 = Resistant 2 = Above-intermediate 3 = Intermediate  
 4 = Below- intermediate 5 = Susceptible

**INSECT REACTION**

- Mo62** Dacus cucurbitae (melon fly) \_\_\_\_\_  
 1 = Resistant 2 = Intermediate 3 = Susceptible
- Mo63** White Fly \_\_\_\_\_  
 1 = Resistant 2 = Intermediate 3 = Susceptible
- Mo64** Fruit Fly \_\_\_\_\_  
 1 = Resistant 2 = Intermediate 3 = Susceptible