



## AVRDC-GRSU CHARACTERIZATION RECORD SHEET

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

### **SEEDLING DATA**

**Cu01** Germination period (no. of days from sowing to first germination) \_\_\_\_\_  
**Cu02** Cotyledon color \_\_\_\_\_  
 3 = Light green 5 = Green 7 = Dark green  
**Cu03** Cotyledon shape \_\_\_\_\_  
 1 = Level 2 = Rolling 3 = Mixture  
**Cu04** Length of cotyledon (mm) \_\_\_\_\_  
 \_\_\_\_\_  
**Cu05** Width of cotyledon (mm) \_\_\_\_\_  
 \_\_\_\_\_  
**Cu06** Cotyledon size \_\_\_\_\_  
 3 = Small 5 = Medium 7 = Large

### **VEGETATIVE DATA**

**Cu07** Plant vigor \_\_\_\_\_  
 3 = Weak 5 = Medium 7 = Strong  
**Cu08** Plant type \_\_\_\_\_  
 3 = Weak 5 = Medium 7 = Strong  
**Cu09** Number of side shoots \_\_\_\_\_  
 3 = Few (< 5) 5 = Medium (5 - 10) 7 = Many (> 10)

<b>Cu10</b>	Main vine length (cm) 3 = Short (< 150)    5 = Medium (150 - 250)    7 = Long (> 250)	_____
<b>Cu11</b>	Main vine diameter (cm) (between the inter-node of 4 <sup>th</sup> and 5 <sup>th</sup> )	_____
<b>Cu12</b>	Length of inter-node (cm) (between 4 <sup>th</sup> and 5 <sup>th</sup> on main vine) 3 = Short (< 10)    5 = Medium (10 - 20)    7 = Long (> 20)	_____
<b>Cu13</b>	Tendrils 0 = Absent    1 = Present	_____
<b>Cu14</b>	Leaf color 3 = Light green    5 = Green    7 = Dark green	_____
<b>Cu15</b>	Leaf pubescence density 0 = No hairs    3 = Sparse    5 = Intermediate    7 = Dense	_____
<b>Cu16</b>	Leaf length (cm)	_____
<b>Cu17</b>	Leaf width (cm)	_____
<b>Cu18</b>	Leaf size 3 = Small    5 = Medium    7 = Large	_____
<b>Cu19</b>	Length of petiole (cm)	_____

**INFLORESCENCE DATA**

<b>Cu20</b>	Days to first male flower	_____
<b>Cu21</b>	Days to first female flower	_____
<b>Cu22</b>	Node number of first female flower	_____
<b>Cu23</b>	Ovary shape 1 = Slender    2 = Elliptic    3 = Globose    4 = Elongated    5 = Oblong	_____
<b>Cu24</b>	Ovary color 3 = Light green    5 = Green    7 = Dark green	_____

**Cu25** Ovary size \_\_\_\_\_  
3 = Small      5 = Medium      7 = Large

**Cu26** Ovary length (cm) \_\_\_\_\_  
\_\_\_\_\_

**Cu27** Ovary diameter (cm) \_\_\_\_\_  
\_\_\_\_\_

**Cu28** Time of flowering \_\_\_\_\_  
1 = Morning      2 = Dusk

**Cu29** Flower color \_\_\_\_\_  
3 = Light yellow      5 = Yellow      7 = Orange

**Cu30** Sex type \_\_\_\_\_  
1 = Monoecious      2 = Gynomonoecious      3 = Andromonoecious  
4 = Hermaphroditic      5 = Androecious      6 = Gynoecious  
7 = Dioecious      8 = Male sterile      9 = Female sterile  
10 = Mainly female flowers

**FRUIT DATA**

**Cu31** Days to harvesting at commercial stage \_\_\_\_\_

**Cu32** Fruit set \_\_\_\_\_  
3 = Poor      5 = Medium      7 = Good

**Cu33** Fruit shape \_\_\_\_\_  
1 = Elliptical elongate      2 = Oblong ellipsoid      3 = Globular (round)  
4 = Stem end tapered      5 = Blossom end tapered

**Cu34** Fruit type \_\_\_\_\_  
1 = Blocky cylinder      2 = Slender type      3 = Medium type  
4 = Processing type      5 = Whole-pack type

**Cu35** Stem-end shape \_\_\_\_\_  
1 = Concave      2 = Level      3 = Blocky  
4 = Rounded      5 = Blunt      6 = Tapered

**Cu36** Blossom-end fruit shape \_\_\_\_\_  
1 = Concave      2 = Level      3 = Blocky  
4 = Rounded      5 = Blunt      6 = Tapered

**Cu37** Immature fruit color \_\_\_\_\_  
1 = Light green      3 = Green      5 = Bluish green

- Cu38** Fruit skin mottling \_\_\_\_\_  
 0 = Absent 1 = Present
- Cu39** Fruit surface \_\_\_\_\_  
 3 = Ridged 5 = Smooth 7 = Rough
- Cu40** Fiber (ripened fruit) \_\_\_\_\_  
 1 = Loose 2 = Dense
- Cu41** Fruit skin texture \_\_\_\_\_  
 1 = Smooth 2 = Wrinkled 3 = Netted  
 4 = Tubercular 5 = Other (specify) \_\_\_\_\_
- Cu42** Fruit skin texture intensity \_\_\_\_\_  
 3 = Superficial 5 = Intermediate 7 = Pronounced
- Cu43** Fruit firmness (ripened fruit) \_\_\_\_\_  
 1 = Soft 3 = Slightly soft 5 = Medium  
 7 = Intermediate firm 9 = Firm
- Cu44** Fruit stem color (commercial fruit) \_\_\_\_\_  
 1 = White 2 = Light green 3 = Medium green  
 4 = Dark green 5 = Yellow 6 = Other (specify) \_\_\_\_\_
- Cu45** Stripe on blossom-end of fruit \_\_\_\_\_  
 0 = Absent 3 = Less than 1/3 of fruit length  
 5 = Approx. 1/2 of fruit length 7 = More than 2/3 of fruit length
- Cu46** Color of stripes \_\_\_\_\_  
 3 = Pale 5 = Medium 7 = Dark
- Cu47** Fruit spine color \_\_\_\_\_  
 0 = Spines absent 1 = Black 2 = Brown  
 3 = White 4 = Other (specify) \_\_\_\_\_
- Cu48** Length of fruit peduncle (cm) \_\_\_\_\_  
 \_\_\_\_\_
- Cu49** Peduncle thickness (mm) \_\_\_\_\_  
 \_\_\_\_\_
- Cu50** Fruit weight (gm) \_\_\_\_\_  
 \_\_\_\_\_
- Cu51** Wax on fruit \_\_\_\_\_  
 3 = Sparse 5 = Intermediate 7 = Strong

**Cu52** Fruit length at table use maturity (cm) \_\_\_\_\_  
 \_\_\_\_\_

**Cu53** Fruit breadth at table use maturity (cm) \_\_\_\_\_  
 \_\_\_\_\_

**Cu54** Number of locules \_\_\_\_\_  
 \_\_\_\_\_

**Cu55** Length of pistil scar (cm) \_\_\_\_\_  
 \_\_\_\_\_

**Cu56** Breadth of pistil scar (cm) \_\_\_\_\_  
 \_\_\_\_\_

**Cu57** Flesh texture  
 1 = Smooth (firm)      2 = Grainy (firm)      3 = Soft  
 4 = Fibrous              5 = Other (specify) \_\_\_\_\_

**Cu58** Flesh color  
 1 = White                      2 = Green                      3 = Yellow  
 4 = Orange                      5 = Other (specify) \_\_\_\_\_

**Cu59** Flesh thickness (mm) \_\_\_\_\_  
 \_\_\_\_\_

**Cu60** Rind thickness (mm) \_\_\_\_\_  
 \_\_\_\_\_

**Cu61** Fruit aroma  
 0 = No aroma    3 = Weak    5 = Intermediate    7 = Strong

**Cu62** Fruit storage ability (without refrigeration)  
 3 = Low    5 = Intermediate    7 = High

**Cu63** Number of seeds per fruit \_\_\_\_\_  
 \_\_\_\_\_

**SEED DATA**

**Cu64** Seed coat color \_\_\_\_\_  
1 = White    2 = Yellowish white    3 = Brown

**Cu65** Seed shape \_\_\_\_\_  
3 = Short elliptic    5 = Elliptic    7 = Long elliptic  
9 = Lanceolate

**Cu66** Seed length (mm) \_\_\_\_\_  
\_\_\_\_\_

**Cu67** Seed width (mm) \_\_\_\_\_  
\_\_\_\_\_

**Cu68** Seed thickness (mm) \_\_\_\_\_  
\_\_\_\_\_

**Cu69** 100 seeds weight (gm) \_\_\_\_\_

