



## AVRDC-GRSU CHARACTERIZATION RECORD SHEET

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

### SEEDLING DATA

**Luf01** Germination period (from sowing to 50% emergence) \_\_\_\_\_  
**Luf02** Cotyledon color \_\_\_\_\_  
           3 = Light green           5 = Green           7 = Dark green  
           X = Mixture  
**Luf03** Length of cotyledon (mm) \_\_\_\_\_  
 \_\_\_\_\_  
**Luf04** Width of cotyledon (mm) \_\_\_\_\_  
 \_\_\_\_\_  
**Luf05** Cotyledon size \_\_\_\_\_  
           3 = Small (below 2 cm)   5 = Medium (2-4 cm)   7 = Large (above 4 cm)

### VEGETATIVE DATA

**Luf06** Plant vigor \_\_\_\_\_  
           3 = Weak           5 = Medium           7 = Strong  
           X = Mixture  
**Luf07** Number of side shoots \_\_\_\_\_  
 \_\_\_\_\_  
**Luf08** Stem shape \_\_\_\_\_  
           1 = Round           2 = Angular  
**Luf09** Main vine length (cm) \_\_\_\_\_  
 \_\_\_\_\_

<b>Luf10</b>	Main vine diameter (cm)	_____
		_____
<b>Luf11</b>	Length of inter-node (cm)	_____
		_____
<b>Luf12</b>	Tendrils	_____
	0 = Absent                      1 = Present	
<b>Luf13</b>	Leaf color	_____
	3 = Light green              5 = Green              7 = Dark green	
<b>Luf14</b>	Leaf pubescence density	_____
	0 = No hairs              3 = Sparse              5 = Intermediate              7 = Dense	
<b>Luf15</b>	Leaf shape	_____
	1 = Ovate              2 = Orbicular              3 = Reniform              4 = Retuse	
<b>Luf16</b>	Leaf lobes	_____
	0 = Absent              3 = Shallow              5 = Intermediate              7 = Deep	
	X = Mixture : _____	
<b>Luf17</b>	Leaf margin	_____
	1 = Entire                      2 = Dented	
<b>Luf18</b>	Length of petiole (cm)	_____
		_____
<b>Luf19</b>	Leaf length (cm)	_____
		_____
<b>Luf20</b>	Leaf width (cm)	_____
		_____

**INFLORESCENCE DATA**

<b>Luf21</b>	Days to first male flower	_____
<b>Luf22</b>	Days to first female flower	_____
<b>Luf23</b>	Node number of first female flower	_____
		_____

**Luf24** Time of flowering \_\_\_\_\_  
1 = Morning                      2 = Dusk

**Luf25** Sex type \_\_\_\_\_  
1 = Monoecious                      2 = Gynomonoecious  
3 = Andromonoecious              4 = Hermaphroditic  
5 = Androecious                      6 = Gynoecious  
7 = Dioecious                      8 = Male sterile  
9 = Female sterile

**Luf26** Flower color \_\_\_\_\_  
1 = White      3 = Light yellow      5 = Yellow      7 = Orange  
9 = Other : \_\_\_\_\_      X = Mixture: \_\_\_\_\_

**Luf27** Ovary shape \_\_\_\_\_  
1 = Slender              2 = Elliptic              3 = Global  
4 = Elongated              5 = Oblong

**Luf28** Ovary color \_\_\_\_\_  
1 = Light green              2 = Green              3 = Dark green

**Luf29** Ovary length (cm) \_\_\_\_\_  
\_\_\_\_\_

**Luf30** Ovary diameter (cm) \_\_\_\_\_  
\_\_\_\_\_

**FRUIT DATA**

**Luf31** Fruit set \_\_\_\_\_  
3 = Poor              5 = Medium              7 = Good

**Luf32** Days to harvesting at commercial stage \_\_\_\_\_

**Luf33** Fruit shape \_\_\_\_\_  
1 = Oblong blocky      2 = Elongate slim      3 = Elliptical  
4 = Pryiform              5 = Elongate tapered      6 = Elongate elliptical  
X = Mixture : \_\_\_\_\_

**Luf34** Stem-end shape \_\_\_\_\_  
1 = Depressed              3 = Flattened  
5 = Rounded              7 = Pointed

**Luf35** Blossom-end fruit shape \_\_\_\_\_  
1 = Depressed              3 = Flattened  
5 = Rounded              7 = Pointed

**Luf36** Fruit surface \_\_\_\_\_  
1 = Ridged              2 = Smooth              3 = Rough

- Luf37** Fruit skin color \_\_\_\_\_  
1 = Light green      2 = Green      3 = Dark green
- Luf38** Fruit luster \_\_\_\_\_  
1 = Matt      2 = Intermediate      3 = Glossy
- Luf39** Pistil scar size \_\_\_\_\_  
1 = Small      2 = Medium      3 = Large
- Luf40** Length of peduncle (cm) \_\_\_\_\_  
\_\_\_\_\_
- Luf41** Peduncle thickness (mm) \_\_\_\_\_  
\_\_\_\_\_
- Luf42** Fruit weight (gm) \_\_\_\_\_  
\_\_\_\_\_
- Luf43** Fruit length at table use maturity (cm) \_\_\_\_\_  
\_\_\_\_\_
- Luf44** Fruit width at table use maturity (cm) \_\_\_\_\_  
\_\_\_\_\_
- Luf45** Flesh thickness (mm) \_\_\_\_\_  
\_\_\_\_\_
- Luf46** Flesh texture \_\_\_\_\_  
1 = Smooth (firm)      2 = Grainy (firm)      3 = Soft  
4 = Fibrous      5 = Others
- Luf47** Fruit storage ability \_\_\_\_\_  
3 = Low      5 = Intermediate      7 = High

**SEED DATA**

- Luf48** Number of seeds per fruit \_\_\_\_\_  
\_\_\_\_\_
- Luf49** Seed color \_\_\_\_\_  
1 = White      2 = Yellowish white      3 = Brown  
4 = Grey      5 = Black      6 = Other: \_\_\_\_\_  
X = Mixture: \_\_\_\_\_

**Luf50** Seed surface luster \_\_\_\_\_  
1 = Dull            2 = Intermediate            3 = Glossy

**Luf51** 100 seeds weight (gm) \_\_\_\_\_