



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) _____

Luf10 Main vine diameter (cm) _____

Luf11 Length of inter-node (cm) _____

Luf12 Tendrils _____
 0 = Absent 1 = Present

Luf13 Leaf color _____
 3 = Light green 5 = Green 7 = Dark green

Luf14 Leaf pubescence density _____
 0 = No hairs 3 = Sparse 5 = Intermediate 7 = Dense

Luf15 Leaf shape _____
 1 = Ovate 2 = Orbicular 3 = Reniform 4 = Retuse

Luf16 Leaf lobes _____
 0 = Absent 3 = Shallow 5 = Intermediate 7 = Deep

Luf17 Leaf margin _____
 1 = Entire 2 = Dented

Luf18 Length of petiole (cm) _____

Luf19 Leaf length (cm) _____

Luf20 Leaf width (cm) _____

INFLORESCENCE DATA

Luf21 Days to first male flower _____

Luf22 Days to first female flower _____

Luf23 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 _____
 3 = Light green 5 = Green 7 = Dark green

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 = Cylindrical 2 = Short cylindrical 3 = Tubular
 4 = Long tubular 5 = Slender long 6 = Short
 7 = Medium long 8 = Elongated 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 = Black 2 = Grey 3 = Brown
- Luf50** Seed surface luster
1 = Dull 2 = Intermediate 3 = Glossy
- Luf51** 100 seeds weight (gm)
