



AVRDC-GRSU CHARACTERIZATION RECORD SHEET

Crop: *Lagenaria* spp. (Bottle Gourd)
 Plot No. : _____ Accession No. : _____
 Sowing Date: _____ Name: _____
 Transplanting Date: _____ Species: _____
 Location: _____ Origin: _____

SEEDLING DATA

Lag00 Germination period (no. of days from sowing to first germination) _____
Lag01 Cotyledon size _____
 3 = Small 5 = Medium 7 = Large
Lag02 Cotyledon color _____
 3 = Light green 5 = Intermediate 7 = Dark green

VEGETATIVE DATA

Lag03 Main vine length (cm) _____

Lag04 Main vine diameter (cm) _____

Lag05 Internode length of main vine (cm) _____
 (measure between 7th and 8th nodes from the bottom on main stem)

Lag06 Depth of leaf lobes _____
 3 = Short 5 = Medium 7 = Long
Lag07 Leaf length (cm) _____
 (measure at 7th or 8th leaf from the bottom on main stem)

Lag08 Leaf width (cm) _____
(measure at 7th or 8th leaf from the bottom on main stem)

Lag09 Leaf color _____
(focus on 7th or 8th leaf from the bottom on main stem)
3 = Light green 5 = Green 7 = Dark green

Lag10 Petiole length (cm) _____
(measure at 7 or 8th leaf from the bottom on main stem)

Lag11 Leaf pubescence _____
0 = None 3 = Few 5 = Medium 7 = Many

Lag12 Plant growth _____
3 = Slender 5 = Regular 7 = Vigorous

INFLORESCENCE DATA

Lag13 Days from sowing to first female flower _____

Lag14 No. of the node of first female flower _____

Lag15 Ovary length (cm) (select ovary just after flowering) _____

Lag16 Ovary width (cm) (select ovary just after flowering) _____

Lag17 Ovary shape _____
3 = Round 5 = Elliptic 7 = Elongated 9 = Bottle shaped

FRUIT DATA

Lag18 Fruit set habit _____
3 = Poor 5 = Medium 7 = Good

Lag19 Sequential fruiting _____
3 = Absent 5 = Present

Lag20 From flowering to first harvesting commercial fruit (days) _____

Lag21 From sowing to first harvesting commercial fruit (days) _____

Lag22	Fruit shape (refer to Figure 1.) 1 = Cylindrical 3 = Crook necked 5 = Pear shaped 7 = Flat circular 9 = Bottle shaped	_____
Lag23	Commercial fruit-weight (gm)	_____
Lag24	Commercial fruit-length (cm)	_____
Lag25	Commercial fruit-diameter (cm)	_____
Lag26	Commercial fruit-peduncle length (cm)	_____
Lag27	Commercial fruit skin thickness (mm)	_____
Lag28	Commercial fruit-flesh thickness (mm)	_____
Lag29	Commercial fruit-cavity diameter (mm)	_____
Lag30	Commercial fruit-skin surface 3 = Smooth 5 = Rough	_____
Lag31	Commercial fruit-skin color 3 = Light green 5 = Green 7 = Dark green 9 = Absent	_____
Lag32	Commercial fruit-skin streak 3 = Weak 5 = Strong 7 = Absent	_____
Lag33	Commercial fruit-skin streak color 3 = Light green 5 = Green 7 = Dark green 9 = Absent	_____
Lag34	Fruit skin color (at physiological ripening stage) 3 = White-light green 5 = Light green 7 = Green 9 = Dark green	_____
Lag35	Fruit skin streak color (at physiological ripening stage) 1 = White-light green 3 = Light green 5 = Green 7 = Dark green	_____
Lag36	Fruit weight (gm; at physiological ripening stage)	_____

SEED DATA

Lag37 Seed shape _____
3 = Triangular 5 = Oblong

Lag38 Seed length (mm) _____

Lag39 Seed width (mm) _____

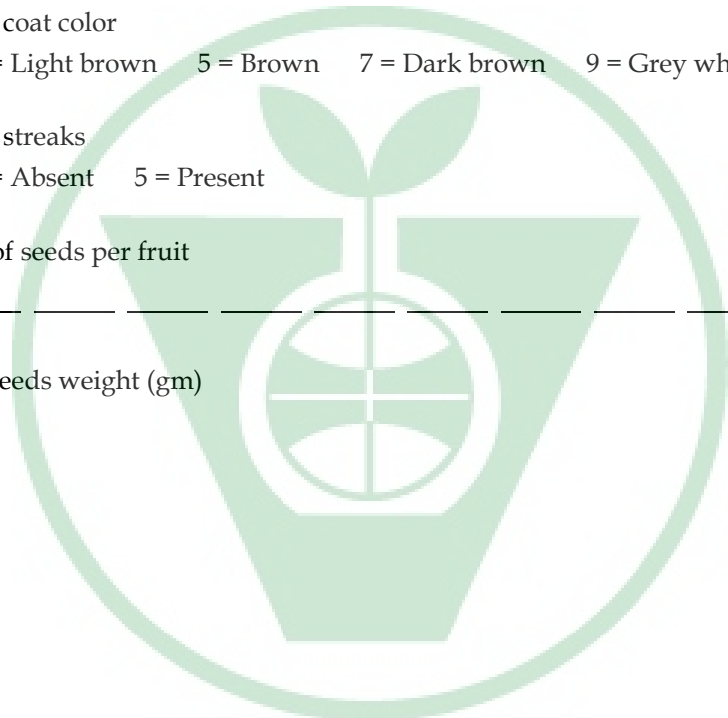
Lag40 Seed thickness (mm) _____

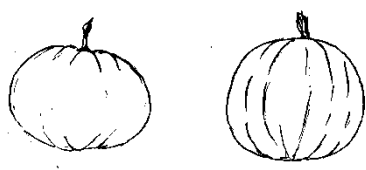
Lag41 Seed coat color _____
3 = Light brown 5 = Brown 7 = Dark brown 9 = Grey white

Lag42 Seed streaks _____
3 = Absent 5 = Present

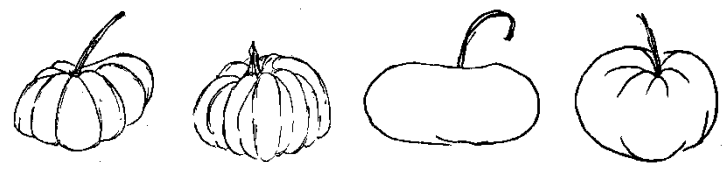
Lag43 No. of seeds per fruit _____

Lag44 100 seeds weight (gm) _____

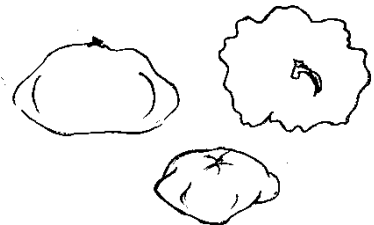




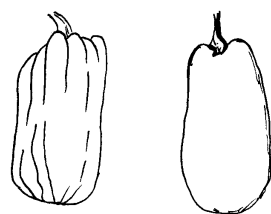
Globular



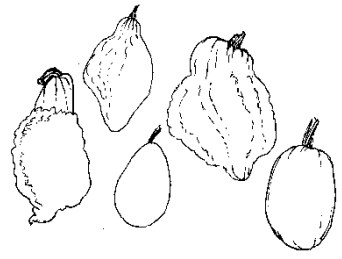
Flattened



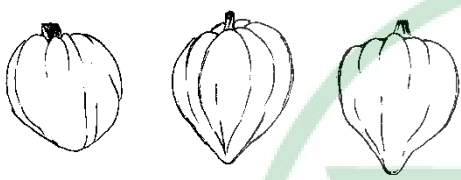
Disk



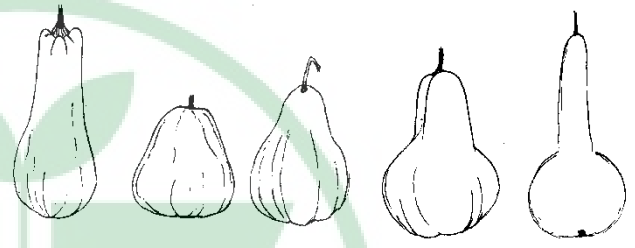
Oblong blocky



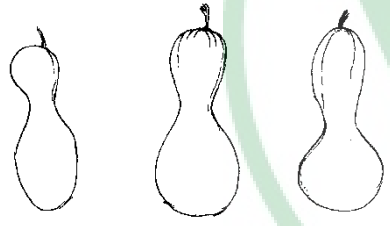
Elliptical



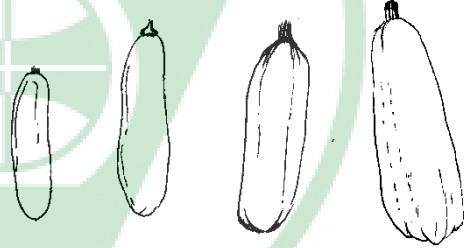
Acorn/Heart



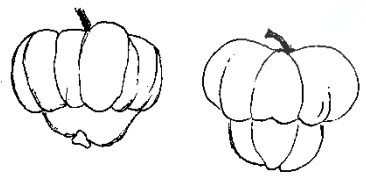
Pyriform



Dumbbell



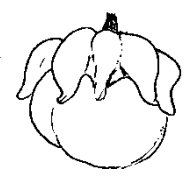
Elongate forms



Turbinate superior



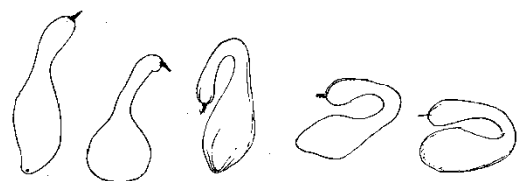
Turbinate inferior



Crowned



Curved



Crooked neck

Figure 1. Cucurbita fruit shape (reference only)