



AVRDC-GRSU CHARACTERIZATION RECORD SHEET

Crop: *Cucurbita* spp. (Pumpkin; Squash)
Plot No. : _____ Accession No. : _____
Sowing Date: _____ Name: _____
Transplanting Date: _____ Species: _____
Location: _____ Origin: _____

SEEDLING DATA

CB01 Germination period (no. of days from sowing to first germination) _____
(播種至發芽日數)

CB02 Cotyledon color (子葉顏色) _____
3 = Light green 5 = Green 7 = Dark green

CB03 Length of cotyledon (cm) (子葉長) _____

CB04 Width of cotyledon (cm) (子葉寬) _____

CB05 Cotyledon size (子葉大小) _____
3 = Small (below 2 cm) 5 = Medium (2 - 4 cm) 7 = Large (above 4 cm)

CB06 Hypocotyl color (胚軸顏色) _____
3 = Light green 5 = Green 7 = Dark green

CB07 Length of hypocotyl (mm) (胚軸長) _____

VEGETATIVE DATA

CB08 Number of laterals (側枝數) _____

CB09 Stem shape (莖型) _____
1 = Round 2 = Angular

CB10	Inter-node length on main stem (cm) (主蔓之節間長) 3 = Short (< 15) 5 = Medium (15 - 25) 7 = Long (> 25)	_____
CB11	Diameter of main vine (cm) (主蔓徑寬) _____	_____
CB12	Length of main vine (cm) (主蔓長) 3 = Short (< 200) 5 = Medium (200 - 300) 7 = Long (> 300)	_____
CB13	Tendrils (捲鬚) 0 = Absent 1 = Present	_____
CB14	Leaf length (cm) (葉長) _____	_____
CB15	Leaf width (cm) (葉寬) _____	_____
CB16	Leaf size (葉片大小) 3 = Small 5 = Medium 7 = Large	_____
CB17	Depth of leaf lobes 0 = Absent 3 = Shallow 5 = Intermediate 7 = Deep	_____
CB18	Leaf pubescence density 0 = No hairs 3 = Sparse 5 = Intermediate 7 = Dense	_____
CB19	Leaf color (葉色) 3 = Light green 5 = Green 7 = Dark green	_____
CB20	Leaf shape (葉型) 1 = Ovate 2 = Orbicular 3 = Reniform 4 = Retuse	_____
CB21	Leaf margin (葉緣) 1 = Entire 2 = Dented	_____
CB22	Length of petiole (cm) (葉柄長) _____	_____
CB23	Petiole spines (葉柄刺) 0 = Absent 1 = Prickly 2 = Present	_____
CB24	Interveinal mottling 0 = Absent 1 = White 2 = Silver white 3 = Light yellow green	_____
CB25	Plant growth habit (株型) 3 = Bushy 5 = Intermediate 7 = Prostrate	_____

INFLORESCENCE DATA

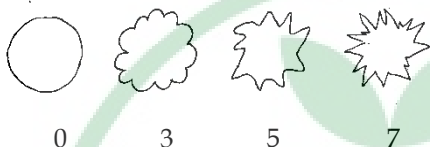
- CB26** Days to first female flower (播種至雌花開花日數) _____
- CB27** Node number of first female flower (第一朵雌花節數) _____

- CB28** Time of flowering (開花時間) _____
1 = Morning 2 = Dusk
- CB29** Flower color (花色) _____
3 = Pale yellow 5 = Yellow 7 = Orange
- CB30** Sex type (花性) _____
1 = Monoecious 2 = Gynomonoecious 3 = Andromonoecious
4 = Hermaphroditic 5 = Androecious 6 = Gynoecious
7 = Dioecious 8 = Male sterile 9 = Female sterile
- CB31** Ovary shape (子房形狀) _____
1 = Round 2 = Elliptic 3 = Elongated X = Mixture
- CB32** Ovary color (子房顏色) _____
3 = Light green 5 = Green 7 = Dark green X = Mixture
- CB33** Ovary pubescence (子房絨毛密度) _____
1 = Sparse 2 = Medium 3 = Abundant
- CB34** Calyx shape (花萼形狀) _____
1 = Narrow-pointed 2 = Narrow 3 = Broad 4 = Large-broad
- CB35** Corolla diameter (cm) (花冠徑寬) _____

- CB36** Corolla tip _____
1 = Round 2 = Pointed

FRUIT DATA

- CB37** Days to harvesting at commercial stage (播種至採收上市之日數) _____
- CB38** Fruit set (著果量) _____
3 = Poor 5 = Medium 7 = Good

- CB39** Fruit shape (see the attach figure) (果型；參見附圖) _____
- | | | |
|------------------------|-------------------|-------------------------|
| 0 = Globular | 1 = Flattened | 2 = Disk |
| 3 = Oblong blocky | 4 = Elliptical | 5 = Acorn/heart |
| 6 = Pyriform | 7 = Dumbbell | 8 = Elongate forms |
| 9 = Turbinate superior | 10 = Crowned | 11 = Turbinate inferior |
| 12 = Curved | 13 = Crooked neck | 14 = Other (specify) |
- CB40** Stem-end shape (果梗部形狀) _____
- | | | |
|-------------|-----------|-------------|
| 1 = Concave | 2 = Level | 3 = Blocky |
| 4 = Rounded | 5 = Blunt | 6 = Tapered |
- CB41** Fruit tip (果臍部形狀) _____
- | | | |
|-------------|-----------|-------------|
| 1 = Concave | 2 = Level | 3 = Blocky |
| 4 = Rounded | 5 = Blunt | 6 = Tapered |
- CB42** Fruit rib shape (to be observed in cross-section) (果面稜起) _____
- | | | | |
|-------------|-------------|------------------|-------------|
| 0 = No ribs | 3 = Rounded | 5 = Intermediate | 7 = V shape |
|-------------|-------------|------------------|-------------|
- 
- CB43** Length of peduncle (cm) (果梗長) _____
- _____
- CB44** Peduncle diameter (cm) (果梗徑寬) _____
- _____
- CB45** Peduncle shape (果梗形) _____
- | | |
|-----------|-----------------|
| 1 = Round | 2 = Five-ridged |
|-----------|-----------------|
- CB46** Peduncle texture (果梗質感) _____
- | | | |
|----------|---------------------|--------------|
| 1 = Hard | 2 = Soft and spongy | 3 = Resorted |
|----------|---------------------|--------------|
- CB47** Peduncle transectional shape (果梗切面形) _____
- | | | |
|-----------|---------------------|---------------------|
| 1 = Round | 2 = Angled smoothly | 3 = Angular sharply |
|-----------|---------------------|---------------------|
- CB48** Peduncle separation from fruit (果梗分離難易) _____
- | | | |
|----------|------------------|---------------|
| 3 = Easy | 5 = Intermediate | 7 = Difficult |
|----------|------------------|---------------|
- CB49** Fruit surface (果面性狀) _____
- | | | |
|------------|------------|-----------|
| 3 = Ridged | 5 = Smooth | 7 = Rough |
|------------|------------|-----------|
- CB50** Predominant fruit skin color at maturity (第一果色；即較大面積或較淺顏色) _____
- (Predominant color is the color which covers the largest surface area of the fruit. In case two colors have the same surface area, the lighter area will be considered the predominant one)
- | | | | |
|------------|------------|------------|----------------------|
| 1 = White | 2 = Green | 3 = Blue | 4 = Cream |
| 5 = Yellow | 6 = Orange | 7 = Red | 8 = Pink |
| 9 = Brown | 10 = Grey | 11 = Black | 12 = Other (specify) |

CB51 Secondary fruit skin color at maturity (第二果色；即較小面積或較深顏色) _____

0 = No secondary skin	1 = White	2 = Green
3 = Blue	4 = Cream	5 = Yellow
6 = Orange	7 = Red	8 = Pink
9 = Other (specify)		

CB52 Design produced by secondary fruit skin color (果皮花紋樣式) _____

1 = No secondary skin color
 2 = Speckled: Speckles are spots < 0.5 cm
 3 = Spotted: Blotches are spots > 0.5 cm
 4 = Striped: Stripes are bands that run from peduncle to blossom scar
 5 = Streaked: Short rays or streaks are elongated marks that are not continuous from one end of fruit to other and < 4 cm in length
 6 = Bisectonal: Long streaks are as above but longer than 4 cm
 7 = Other (specify)



CB53 Fruit weight (gm) (果重) _____

CB54 Fruit length at table use maturity (cm) (果長) _____

CB55 Fruit breadth of fruit at table use maturity (cm) (果橫徑) _____

CB56 Fruit firmness (果皮軟硬) _____

1 = Soft	3 = Slight soft	5 = Medium
7 = Intermediate firm	9 = Firm	

CB57 Fruit skin thickness (mm) (果皮厚度) _____

CB58 Flesh thickness (measured in mm a maximum fruit diameter) (果肉厚度) _____

CB59 Flesh color (果肉色) _____

1 = White	2 = Cream	3 = Yellow
4 = Orange	5 = Salmon	6 = Other

CB60 Flesh color intensity (果肉色深淺) _____

3 = Light 5 = Intermediate 7 = Dark

- CB61** Flesh moisture (果肉含水量) _____
 3 = Low 5 = Intermediate 7 = High
- CB62** Flesh flavor (果肉味道) _____
 3 = Insipid 5 = Intermediate 7 = Sweet
- CB63** Flesh texture (果肉口感) _____
 1 = Smooth (firm) 2 = Grainy (firm) 3 = Soft
 4 = Fibrous 5 = Other (specify)
- CB64** Amount of placental tissue (胎座組織量) _____
 3 = Low 5 = Intermediate 7 = High

SEED DATA

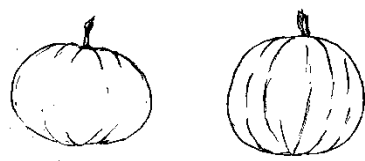
- CB65** Number of seeds per fruit (每果之種子數) _____

- CB66** Seed length (mm) (種子長) _____

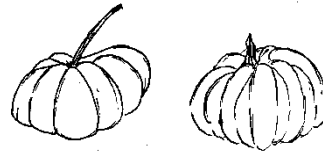
- CB67** Seed width (mm) (種子寬) _____

- CB68** Seed thickness (mm) (種子厚) _____

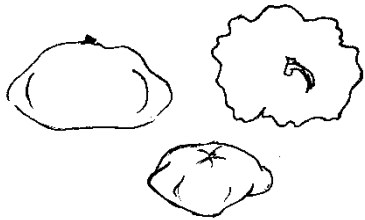
- CB69** Seed surface (種子表面) _____
 1 = Smooth 2 = Wrinkled 3 = Pitted slightly
 4 = Scaly 5 = Creased
- CB70** Seed surface luster (種子表面光澤) _____
 3 = Dull 5 = Intermediate 7 = Glossy
- CB71** Seed coat color (種皮顏色) _____
 1 = White 2 = Yellowish white 3 = Brown
- CB72** Seed margin (種子鑲邊) _____
 0 = Absent 1 = Thin and regular 2 = Thin and irregular
 3 = Thick and regular 4 = Thick and irregular
- CB73** Seed margin color (種子鑲邊顏色) _____
 0 = Seed margin absent 1 = White 2 = Tan 3 = Yellow
 4 = Orange 5 = Brown 6 = Grey 7 = Black
- CB74** 100 seeds weight (gm) (百粒重) _____



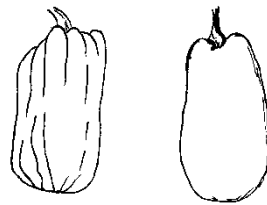
0. Globular



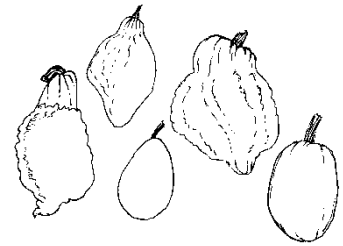
1. Flattened



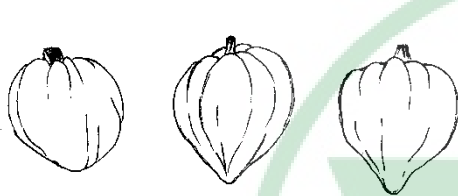
2. Disk



3. Oblong blocky



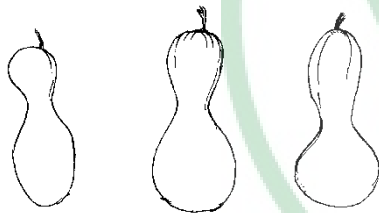
4. Elliptical



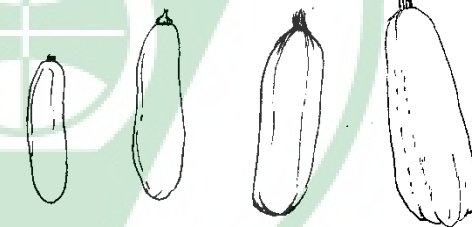
5. Acorn/Heart



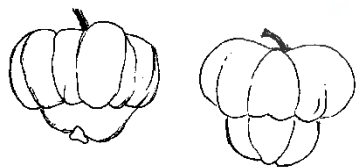
6. Pyriform



7. Dumbbell



8. Elongate forms



9. Turbinate superior



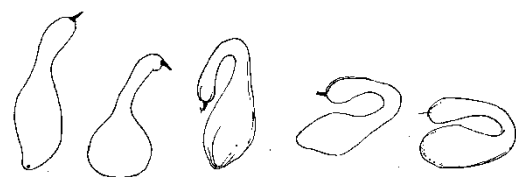
10. Crowned



11. Turbinate inferior



12. Curved



13. Crooked neck

Figure. Fruit shape of *Cucurbita* spp.

