



## AVRDC-GRSU CHARACTERIZATION RECORD SHEET

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

### SEEDLING DATA

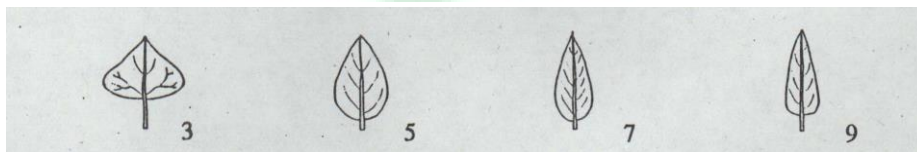
**C110** Hypocotyl color (terminal bud 1-2 mm) (胚莖色) \_\_\_\_\_  
 1 = Green 2 = 1/4 purple from the base 3 = 1/2 purple from the base  
 4 = Purple X = Mixture

**C120** Hypocotyl color intensity (胚莖色深淺) \_\_\_\_\_  
 0 = Green 3 = Light purple 5 = Medium purple  
 7 = Dense purple X = Mixture

**C130** Cotyledonous leaf length (mm) (N=10) (子葉長) \_\_\_\_\_  
 \_\_\_\_\_

**C140** Cotyledonous leaf width (mm) (N=10) (子葉寬) \_\_\_\_\_  
 \_\_\_\_\_

**C150** Cotyledonous leaf shape (子葉型) \_\_\_\_\_  
 3 = Deltoid 5 = Ovate 7 = Lanceolate 9 = Elong-deltoid X = Mixture



**C160** Cotyledonous leaf color (子葉色) \_\_\_\_\_  
 3 = Light green 5 = Green 7 = Dark green  
 9 = Purple X = Mixture

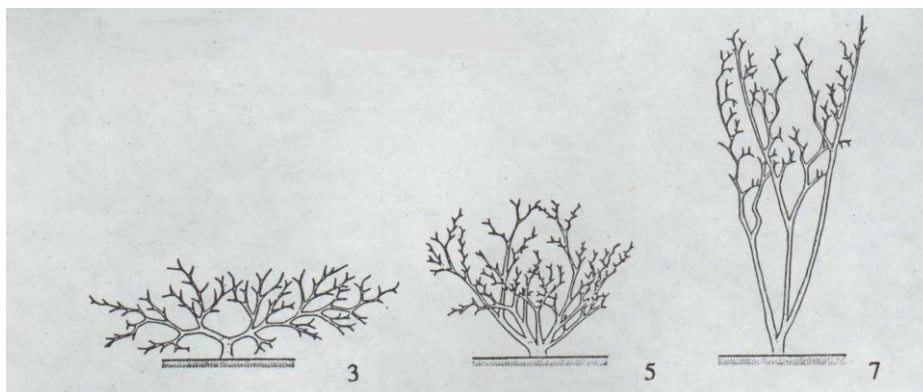
**C170** Hypocotyl pubescence (胚莖毛) \_\_\_\_\_  
 0 = Glabrous 3 = Sparse 5 = Intermediate 7 = Abundant X = Mixture

**C250** Stem color (before transplanting) (定植前之莖色) \_\_\_\_\_  
 1 = Green 2 = Green with few purple strips  
 3 = Green with many purple strips 4 = Purple  
 5 = Other (specify) \_\_\_\_\_ X = Mixture

**VEGETATIVE DATA**

**C210** Plant growth habit (生長習性)

3 = Prostrate 5 = Compact 7 = Erect X = Mixture

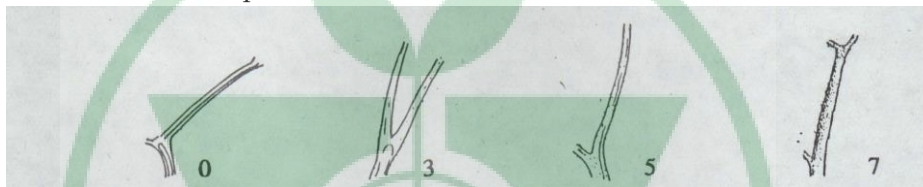


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**C230** Stem pubescence density (莖毛濃度)

(at 2 nodes below the shoot when first fruit turning red)

0 = Glabrous 3 = Sparse 5 = Intermediate 7 = Abundant X = Mixture



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**C240** Stem pubescence type (莖毛長短)

(at 2 nodes below the shoot when first fruit turning red)

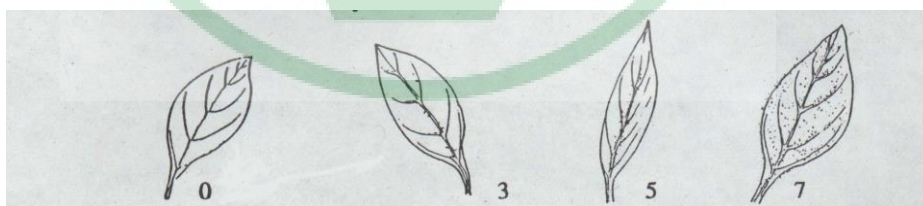
0 = Absent 3 = Short 5 = Intermediate 7 = Long X = Mixture

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**C260** Leaf pubescence density (葉毛濃度)

(of youngest mature leaf when first fruit turning red)

0 = Glabrous 3 = Sparse 5 = Intermediate 7 = Abundant X = Mixture



\_\_\_\_\_

**C270** Leaf pubescence type (葉毛長短)

(of youngest mature leaf when first fruit turning red)

0 = Absent 3 = Short 5 = Intermediate 7 = Long X = Mixture

\_\_\_\_\_

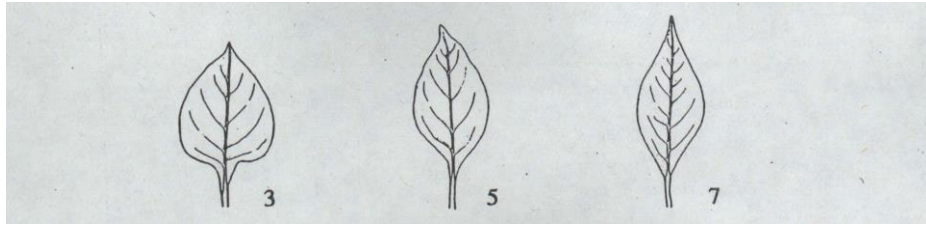
**C280** Mature leaf length (cm) (N=10; leaves from main stem) (葉長)

\_\_\_\_\_

**C290** Mature leaf width (cm) (N=10; leaves from main stem) (葉寬)

\_\_\_\_\_

**C300** Leaf shape (葉型) \_\_\_\_\_  
3 = Deltoid 5 = Ovate 7 = Lanceolate X = Mixture



**C310** Leaf color (葉色) \_\_\_\_\_  
1 = Yellow 2 = Light green 3 = Green 4 = Dark green  
5 = Purple X = Mixture

**C320** Leaf pigmentation (葉花青素) \_\_\_\_\_  
0 = Absent 1 = Present X = Mixture

**C330** Branching habit (分枝性) \_\_\_\_\_  
0 = None 3 = Sparse 5 = Intermediate 7 = Abundant X = Mixture

**C360** Plant size (植株大小) \_\_\_\_\_  
3 = Small 5 = Intermediate 7 = Large X = Mixture

**C370** Plant stature (植株高度) \_\_\_\_\_  
3 = Short (<50 cm) 5 = Intermediate (50-100 cm) 7 = Tall (>100 cm)  
9 = Very tall (>200 cm) X = Mixture

**C380** Height of 1<sup>st</sup> branch (cm) (N=10; at mature stage) (第一分枝高度) \_\_\_\_\_  
\_\_\_\_\_

**C390** Stem diameter 10 cm from ground (cm) (N=10; at mature stage) (莖徑) \_\_\_\_\_  
\_\_\_\_\_

**C730** Nodal anthocyanin (whole plant) (節色) \_\_\_\_\_  
0 = Green 3 = Light purple 5 = Purple 7 = Dark purple X = Mixture

**INFLORESCENCE DATA**

Flowering date (date when 50% of plants have the most flowers) \_\_\_\_\_ (開花日期)

**C810** Days to flower (開花天數) \_\_\_\_\_  
 (no. of days from sowing until 50% of plants have the most flowers)

**C410** Number of pedicels per axil (腋花梗數) \_\_\_\_\_  
 1 = Only one pedicel per axil      2 = Two pedicels per axil  
 3 = Three or more pedicels per axil  
 4 = Many pedicels in bunches but each in individual axil  
 X = Mixture

**C420** Pedicel position at anthesis (花梗懸性) \_\_\_\_\_  
 3 = Pendant    5 = Intermediate    7 = Erect    X = Mixture



**C430** Angle between flower and pedicel (花梗角度) \_\_\_\_\_  
 3 = 0°    5 = 45°    7 = 90°    9 = >90°    X = Mixture



**C440** Corolla color (花冠色) \_\_\_\_\_  
 1 = White    2 = Light yellow    3 = Yellow    4 = Yellow-green  
 5 = White with purple base    6 = White with purple margin  
 7 = Purple    8 = Other (specify) \_\_\_\_\_    X = Mixture

**C450** Corolla length (mm) (N=10) (花瓣長) \_\_\_\_\_  
 \_\_\_\_\_

**C820** Corolla spot (花瓣斑點) \_\_\_\_\_  
 0 = Absent    1 = White    2 = Yellow    3 = Green-yellow    4 = Green  
 5 = Other (specify) \_\_\_\_\_    X = Mixture

**C830** Anther color (immediately after flowering) (花藥色) \_\_\_\_\_  
 1 = Yellow    2 = Pale blue    3 = Blue    4 = Purple  
 5 = Other (specify) \_\_\_\_\_    X = Mixture

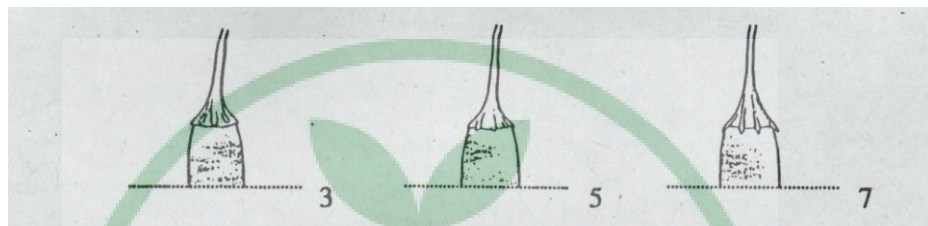
**C840** Filament color (花絲色) \_\_\_\_\_  
 1 = White    2 = Yellow    3 = Green    4 = Blue    5 = Light purple  
 6 = Purple    7 = Other (specify) \_\_\_\_\_    X = Mixture

**C860** Stigma position in relation to anthers at full anthesis (花柱長短) \_\_\_\_\_  
 3 = Inserted 5 = Same level 7 = Exserted X = Mixture

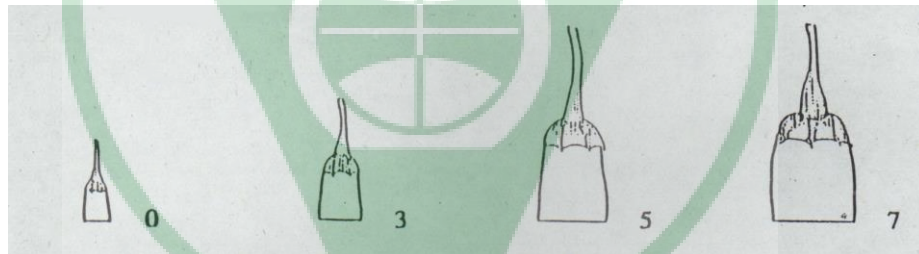
**FRUIT DATA**

First harvest date \_\_\_\_\_ (第一次採收日期)  
 Last harvest date \_\_\_\_\_ (最後一次採收日期)  
 Fruiting date (date when 50% of plants have mature fruits) \_\_\_\_\_ (結果天數)

**C460** Calyx margin shape (萼沿形狀) \_\_\_\_\_  
 3 = Smooth 5 = Intermediate 7 = Dentate X = Mixture



**C470** Annular constriction at junction of calyx and peduncle (at mature green stage) \_\_\_\_\_  
 0 = Absent 3 = Not clear 5 = Clear (萼頂收縮)  
 7 = Distinct and uniform in the whole plant X = Mixture



**C500** Fruit position (果位) \_\_\_\_\_  
 3 = Declining 5 = Intermediate 7 = Erect X = Mixture

**C510** Fruit color at immature stage (未熟果色) \_\_\_\_\_  
 1 = Green 2 = Yellow 3 = Orange 4 = Red 5 = Purple  
 6 = Brown 7 = Black 8 = Other (specify) \_\_\_\_\_  
 9 = Yellow-green X = Mixture

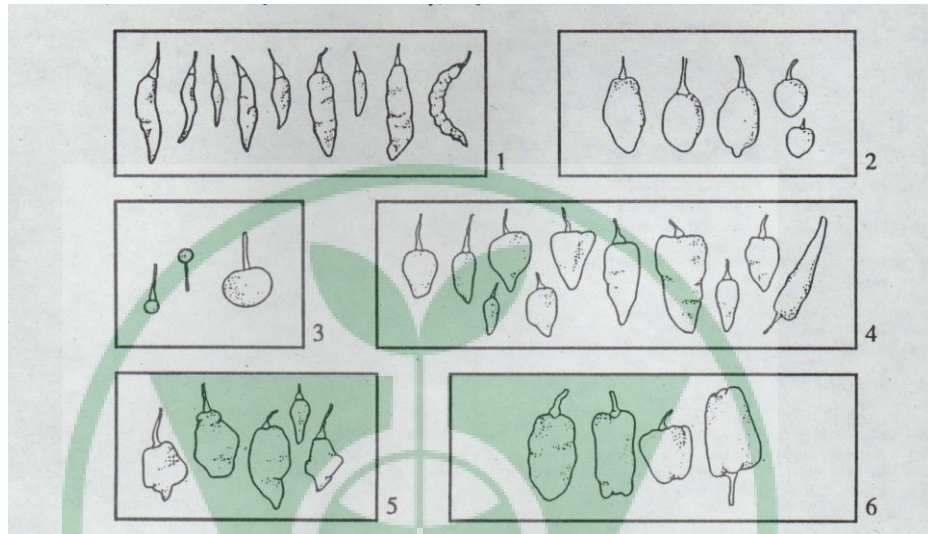
**C520** Fruit color intensity at immature stage (未熟果色深度) \_\_\_\_\_  
 3 = Light 5 = Medium 7 = Dense X = Mixture

**C530** Fruit color at intermediate stage between immature and mature stage (轉期果色) \_\_\_\_\_  
 1 = Green 2 = Yellow 3 = Orange 4 = Red 5 = Purple  
 6 = Brown 7 = Black 8 = Other (specify) \_\_\_\_\_  
 9 = Orange-red X = Mixture

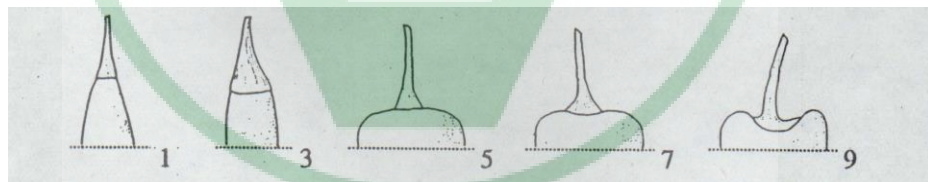
**C540** Fruit color at mature stage (成熟果色) \_\_\_\_\_  
 1 = green 2 = Yellow 3 = Orange 4 = Orange-red 5 = Red  
 6 = Purple 7 = Brown 8 = Black 9 = Other (specify) \_\_\_\_\_  
 10 = Yellow-orange X = Mixture

**C550** Fruit color intensity at mature stage (成熟果色深度) \_\_\_\_\_  
 3 = Light 5 = Medium 7 = Dense X = Mixture

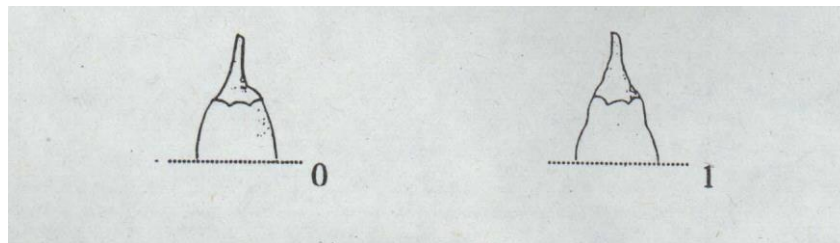
**C570** Fruit shape (果型) \_\_\_\_\_  
 1 = Elongate 2 = Oblate 3 = Round 4 = Conical 5 = Campanulate  
 6 = Bell or blocky 7 = Other (specify) \_\_\_\_\_ 8 = Pumpkin shape  
 X = Mixture

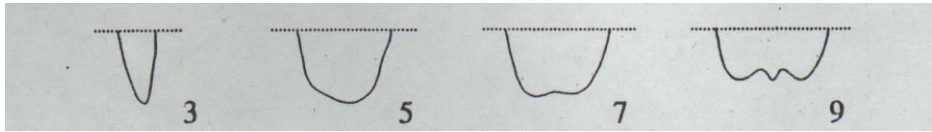
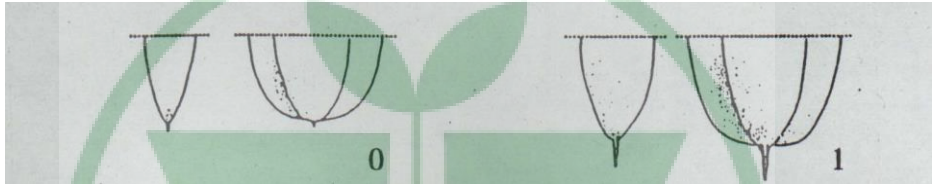


**C580** Fruit shape at peduncle attachment (果肩型) \_\_\_\_\_  
 1 = Acute 3 = Obtuse 5 = Truncate 7 = Cordate  
 9 = Lobate X = Mixture



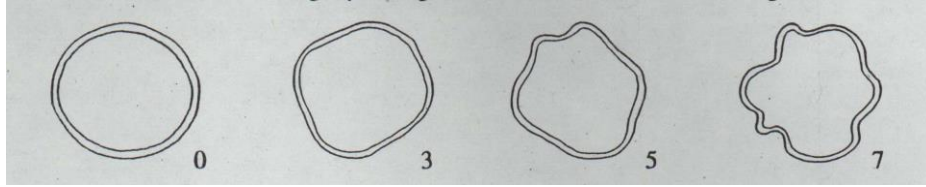
**C590** Neck at base of fruit (果頸) \_\_\_\_\_  
 0 = Absent 1 = Present X = Mixture



- C600** Fruit shape at blossom end (果尖型) \_\_\_\_\_  
 3 = Pointed 5 = Blunt 7 = Sunken 9 = Sunken and pointed  
 X = Mixture  

- C620** Fruit persistence (果實存留) \_\_\_\_\_  
 0 = Deciduous (only pedicel and calyx remain on plant) 3 = Slight  
 5 = Intermediate 7 = Persistent X = Mixture
- C630** Fruit pungency (辣度) \_\_\_\_\_  
 0 = Not pungent (sweet) 3 = Low 5 = Intermediate 7 = High  
 X = Mixture
- C650** Fruit blossom end appendage (果尖附針) \_\_\_\_\_  
 0 = Absent 1 = Present X = Mixture  

- C660** Varietal mixture condition (混雜程度) \_\_\_\_\_  
 0 = Pure 3 = Slight mixture 5 = Medium mixture 7 = Serious mixture
- C670** Soluble solids (%) (N=10) (糖度) \_\_\_\_\_
- C680** Fruit pedicel width (mm) (N=10; at second harvest) (果梗寬)  
 \_\_\_\_\_
- C880** Duration to fruiting (著果期) \_\_\_\_\_  
 3 = Early 5 = Intermediate 7 = Late
- C890** Fruit set (著果量) \_\_\_\_\_  
 3 = Low 5 = Intermediate 7 = High X = Mixture
- C900** Fruit length (cm) (N=10; at second harvest) (果長)  
 \_\_\_\_\_
- C910** Fruit width (cm) (N=10, at second harvest) (果寬)  
 \_\_\_\_\_
- C920** Fruit weight (gm) (N=10; at second harvest) (果重) \_\_\_\_\_
- C940** Fruit pedicel length (cm) (N=10; at second harvest) (果梗長)  
 \_\_\_\_\_

**C950** Anthocyanin spots in unripe stage (未熟果花青素) \_\_\_\_\_  
0 = Absent 1 = Present X = Mixture

**C610** Fruit cross-sectional corrugation (1/3 from pedicel end) (果橫切面) \_\_\_\_\_  
0 = Smooth 3 = Slightly corrugated 5 = Intermediate 7 = Corrugated  
X = Mixture



**C640** Number of locules (心室數) \_\_\_\_\_  
\_\_\_\_\_

**C930** Fruit wall thickness (果壁厚) \_\_\_\_\_  
(mm; to one decimal point) (N=10; at second harvest)  
\_\_\_\_\_

**SEED DATA**

**C960** Seed color (種子色) \_\_\_\_\_  
1 = Straw 2 = Black/Brown 3 = Other (specify) \_\_\_\_\_  
X = Mixture

**C990** Number of seeds per fruit (種子量) \_\_\_\_\_  
0 = No seed 1 = Very few 3 = Few 5 = Some 7 = Many  
X = Mixture