



## AVRDC-GRSU CHARACTERIZATION RECORD SHEET

Crop: *Psophocarpus* spp. (Winged bean)  
 Plot No. : \_\_\_\_\_ Accession No. : \_\_\_\_\_  
 Sowing Date: \_\_\_\_\_ Name: \_\_\_\_\_  
 Transplanting Date: \_\_\_\_\_ Species: \_\_\_\_\_  
 Location: \_\_\_\_\_ Origin: \_\_\_\_\_

### SEEDLING DATA

**Tet01** Days to emergence (no. of days from sowing to 50% seedling emergence) \_\_\_\_\_

**Tet02** Hypocotyl color \_\_\_\_\_  
 1 = Green 2 = Purple

**Tet03** Hypocotyl color intensity \_\_\_\_\_  
 1 = Light 2 = Medium 3 = Dense

**Tet04** Hypocotyl pubescence \_\_\_\_\_  
 0 = Glabrous 3 = Sparse 5 = Intermediate 7 = Abundant

**Tet05** Hypocotyl length \_\_\_\_\_  
 (In cm, on random seedling length from hypocotyl base to fully expanded primary leaves.)  
 \_\_\_\_\_

### VEGETATIVE DATA

**Tet06** Plant growth (amount of plant growth at flowering) \_\_\_\_\_  
 3 = Sparse 5 = Moderate 7 = Abundant

**Tet07** Leaf size \_\_\_\_\_  
 3 = Small 5 = Medium 7 = Large

**Tet08** Leaflet shape (see Figure 1.) \_\_\_\_\_  
 1 = Ovate                      2 = Deltoid                      3 = Ovate-lanceolate  
 4 = Lanceolate              5 = Long- lanceolate

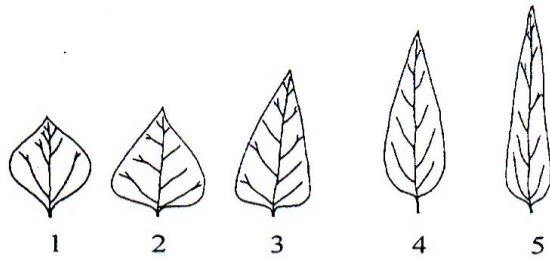


Figure 1. Leaflet shape

**Tet09** Stem color \_\_\_\_\_  
 1 = Green                      2 = Greenish purple  
 3 = Purple                      4 = Other (specify) \_\_\_\_\_

**Tet10** Presence of tuber \_\_\_\_\_  
 0 = Absent    + = Present

**Tet11** Tuber size (diameter of the cross section of the widest point) \_\_\_\_\_  
 3 = Small (< 2 cm)    5 = Medium (2- 3 cm)    7 = Large (> 3 cm)

**INFLORESCENCE DATA**

**Tet12** Calyx color \_\_\_\_\_  
 1 = Green                      2 = Greenish purple  
 3 = Purple                      4 = Other (specify) \_\_\_\_\_

**Tet13** Corolla color of wings and standard \_\_\_\_\_  
 1 = White                      2 = Light blue                      3 = Blue  
 4 = Purple                      5 = Other (specify) \_\_\_\_\_

**POD DATA**

The following pod descriptors are to be recorded when the pods are a mature stage prior to drying out.

**Tet14** Pod color (color of the central portion of the pod) \_\_\_\_\_  
 1 = Cream    2 = Green    3 = Pink    4 = Purple    5 = Other (specify)

**Tet15** Presence of pod specks (purple specks on the central portion of the pod) \_\_\_\_\_  
 0 = Absent    + = Present

**Tet16** Pod wing color \_\_\_\_\_  
 1 = Green 2 = Purple 3 = Other (specify) \_\_\_\_\_

**Tet17** Pod surface texture \_\_\_\_\_  
 3 = Smooth 5 = Medium 7 = Rough

**Tet18** Pod shape \_\_\_\_\_  
 (Shape in cross section at the center of the pods) see Figure 2.  
 1 = Rectangular 2 = Semi- flat 3 = Flat of sides 4 = Flat on suture

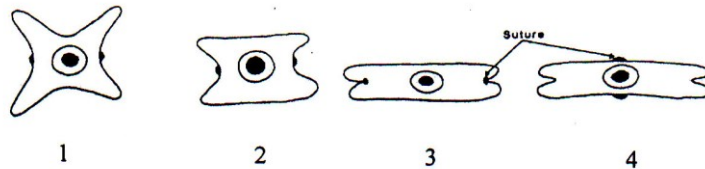


Figure 2. Pod shape

**Tet19** Pod length (measure in cm as mean of ten dry pods) \_\_\_\_\_  
 \_\_\_\_\_

**Tet20** Pod shattering \_\_\_\_\_  
 0 = None 3 = Low 5 = Medium 7 = High

**SEED DATA**

**Tet21** Number of seeds per pod \_\_\_\_\_  
 \_\_\_\_\_

**Tet22** Seed color (when dried at harvest) \_\_\_\_\_  
 1 = Cream 2 = Tan 3 = Brown  
 4 = Purple 5 = Black 6 = Brown- black  
 7 = Other (specify) \_\_\_\_\_

**Tet23** Presence of seed mottling \_\_\_\_\_  
 0 = Absent + = Present

**Tet24** Hilum color \_\_\_\_\_  
 1 = White 2 = Black 3 = Tan  
 4 = Brown 5 = Purple 6 = Other (specify) \_\_\_\_\_

**Tet25** Seed shape \_\_\_\_\_  
 1 = Round 2 = Oval 3 = Square 4 = Other (specify) \_\_\_\_\_

**Tet26** 100 seeds weight (gm) \_\_\_\_\_