



## AVRDC-GRSU CHARACTERIZATION RECORD SHEET

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

### SEEDLING DATA

**Ipo01** Seed germination ability (number of days from sowing to 50% emergence) \_\_\_\_\_  
 3 = Early    5 = Medium    7 = Late    X = Mixture

**Ipo02** Cotyledon color \_\_\_\_\_  
 3 = Light green                      5 = Green                      7 = Purplish green  
 9 = Purple                              X = Mixture

**Ipo03** Cotyledon shape \_\_\_\_\_  
 3 = Long and narrow                      5 = Medium  
 7 = Short and wide                              X = Mixture

**Ipo04** Hypocotyl color \_\_\_\_\_  
 3 = Light green                              5 = Green                              7 = Purplish green  
 9 = Purple                                      X = Mixture

### VEGETATIVE DATA

**Ipo05** Plant attitude (at harvesting time) \_\_\_\_\_  
 3 = Upright (Vine)                      5 = Intermediate  
 7 = Spread (Dwarf)                      X = Mixture

**Ipo06** Earliness (days from seed sowing to harvesting time) \_\_\_\_\_  
 3 = Early    5 = Medium    7 = Late

**Ipo07** Tillers \_\_\_\_\_  
 1 = 1            3 = 2~3            5 = >3            X = Mixture

**Ipo08** Stem color (at harvesting time) \_\_\_\_\_  
 1 = Yellow green                      3 = Light green                      5 = Green  
 7 = Dark green                              9 = Purple                              X = Mixture

- Ipo09** Stem wart (at harvesting time) \_\_\_\_\_  
 0 = Nil 3 = Few 5 = Medium 7 = Many X = Mixture
- Ipo10** Stem shape (at harvesting time) \_\_\_\_\_  
 1 = Oval 2 = Round X = Mixture
- Ipo11** Stem length of internode (cm) (N=10) \_\_\_\_\_  
 (between 4th and 5th leaf from the bottom at harvesting time)  
 \_\_\_\_\_
- Ipo12** Adventitious root on node (at harvesting time) \_\_\_\_\_  
 0 = Nil 3 = Few 5 = Medium 7 = Many X = Mixture
- Ipo13** Leaf length (the biggest leaf at harvesting time) (cm) (N=10) \_\_\_\_\_  
 \_\_\_\_\_
- Ipo14** Leaf width (the biggest leaf at harvesting time) (cm) (N=10) \_\_\_\_\_  
 \_\_\_\_\_
- Ipo15** Leaf color (the biggest leaf at harvesting time) \_\_\_\_\_  
 1 = Yellow green 3 = Light green 5 = Green  
 7 = Dark green 9 = Purple red X = Mixture
- Ipo16** Leaf shape (the biggest leaf at harvesting time) \_\_\_\_\_  
 1 = Linear 3 = Lanceolate 5 = Long elliptic  
 7 = Heart shape X = Mixture
- Ipo17** Petiole length (the biggest leaf at harvesting time) (cm) (N=10) \_\_\_\_\_  
 \_\_\_\_\_

**INFLORESCENCE DATA**

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

Days to flowering \_\_\_\_\_

**Ipo18** Flower earliness (days from sowing to flowering time) \_\_\_\_\_  
 3 = Early 5 = Medium 7 = Late

**Ipo19** Flower color \_\_\_\_\_  
 3 = White 5 = Pale purple 7 = Pale purple + red X = Mixture

**Ipo20** Flower length (cm) (N=10) \_\_\_\_\_  
\_\_\_\_\_

**Ipo21** Flower width (cm) (N=10) \_\_\_\_\_  
\_\_\_\_\_

**Ipo22** Petal type \_\_\_\_\_  
1 = Sympetalous 2 = Apopetalous X = Mixture

**Ipo23** Sepal color \_\_\_\_\_  
1 = Yellow green 3 = Light green 5 = Green  
7 = Dark green 9 = Purple red X = Mixture

**Ipo24** Sepal length (cm) (N=10) \_\_\_\_\_  
\_\_\_\_\_

**Ipo25** Sepal pubescence \_\_\_\_\_  
0 = Glabrous 3 = Sparse 5 = Intermediate  
7 = Abundant X = Mixture

**FRUIT & SEED DATA**

First harvest date \_\_\_\_\_  
Last harvest date \_\_\_\_\_  
Fruiting date (date when 50% of plants have mature fruits) \_\_\_\_\_  
Days to fruiting \_\_\_\_\_

**Ipo26** Fruit Size (the longest diameter) (cm) (N=10) \_\_\_\_\_  
\_\_\_\_\_

**Ipo27** Fruit set \_\_\_\_\_  
3 = Easy 5 = Medium 7 = Difficult X = Mixture

**Ipo28** Number of seeds per capsule (N=10) \_\_\_\_\_  
\_\_\_\_\_

**Ipo29** Seed color \_\_\_\_\_  
3 = Brown 5 = Dark brown 7 = Black X = Mixture

**Ipo30** 1000 seeds weight (gm) \_\_\_\_\_  
3 = Light 5 = Medium 7 = Heavy

