AVRDC
The World Vegetable Center
Genetic Resources and Seed Unit (GRSU)

AVRDC-GRSU CHARACTERIZATION RECORD SHEET

Crop: *Vigna angularis* **(Azuki bean)**

Plot No. : _____   Accession No. : _____

Sowing Date: _____   Name: _____

Transplanting Date: _____   Species: _____

Location: _____   Origin: _____
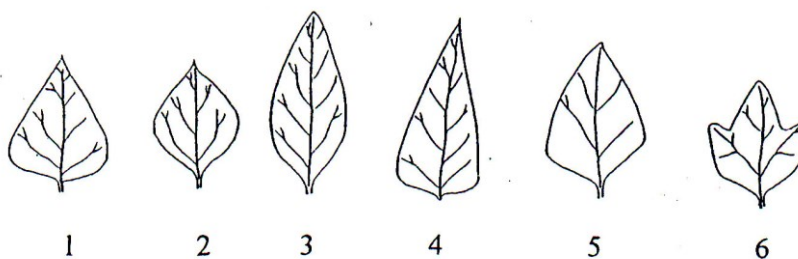
VEGETATIVE DATA

A01   Growth habit   _____
      1 = Erect   2 = Semi- erect   3 = Spreading

A02   Growth pattern   _____
      1 = Intermediate   2 = Determinate   3 = Both   4 = Indeterminate

A03   Hypocotyl color   _____
      1 = Green   2 = Greenish purple   3 = Purple
      4 = Mixed   5 = Other (specify) _____

A04   Primary leaf shape   _____
      1 = l/w less than 1   2 = l/w between 1 and 1.9
      3 = l/w between 2 and 2.9   4 = l/w 3 and more

A05   Terminal leaflet shape   _____
      1 = Deltoid   2 = Ovate   3 = Acute
      4 = Ovate- lanceolate   5 = Cuneate   6 = Lobed
      7 = Other (specify) _____

     1   2   3   4   5   6

A06   Terminal leaflet length (record for the leaf at fourth node)   _____
      1 = Small (<10 cm)   2 = Medium (10-13 cm)   3 = Large (>13 cm)

A07   Pubescence density   _____
      3 = Few   5 = Moderate   7 = Many

A08   Leaf pubescence length

   3 = Short   5 = Mediate   7 = Long   _____

A09   Leaf color (record at 50% flowering)   _____

   1 = Light green   2 = Green
   3 = Dark green   4 = Other (specify) _____

A10   Petiole color   _____

   1 = Green   2 = Greenish purple   3 = Purple   4 = Dark purple

A11   Color of basal petioles   _____

   1 = Green   2 = Green/Purple   3 = Greenish purple   4 = Dark purple

INFLORESCENCE DATA

A12   Raceme position (record when the first pod changes color)   _____

   1 = Mostly above canopy
   2 = Intermediate
   3 = No pods visible above canopy

A13   Calyx color   _____

   1 = Green   2 = Yellow   3 = Greenish yellow   X = Mixture

A14   Standard petal color   _____

   1 = Green   2 = Greenish yellow   3 = Yellow
   4 = Purple   5 = Other (specify) _____   X = Mixture

A15   Wings petal color   _____

   1 = Yellow   2 = Purple   3 = Greenish yellow
   4 = Other (specify) _____   X = Mixture

A16   Days to 50% flowering   _____

   (no. of days from planting to 50% of plants with at least one open flower)

A17   Plant height at flowering (cm)   _____

   _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

A18   Plant height at maturation (cm)   _____

   _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

A19   Seeds per pods (means of 10 pods)   _____

   _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

POD DATA

A20   Pod color at immature stage
        1 = Light green   2 = Deep green   3 = Other (specify) _____
        X = Mixture   _____

A21   Pod color at mature stage
        1 = Tan   2 = Brown   3 = Dark brown   4 = Black   X = Mixture   _____

A22   Pod length (cm) (means of 10 random pods)   _____

        _____   _____   _____   _____   _____   _____   _____   _____   _____   _____

A23   Days to 50% pod mature   _____
        (no. of days from planting to 50% of plants with mature pod)

SEED DATA

A24   Mottling on seed
        1 = Absent   2 = Light   3 = Medium   4 = Heavy   _____

A25   Lustre on seed surface
        1 = Dull   2 = Shiny   3 = Both   4 = Medium   _____

A26   Seed coat color
        1 = Red   2 = Pink   3 = Red seed with black mottled
        4 = Tan   5 = Black   6 = Red seed with tan mottled
        7 = Green seed with black mottled   8 = Tan seed with black mottled
        9 = Black seed with red mottled   X = Mixture   _____

A27   100 seeds weight (gm) (seed weight of 100 seeds at 13- 15% moisture content)   _____