**AVRDC-GRSU CHARACTERIZATION RECORD SHEET**

Crop: *Glycine spp. (Soybean)*

<table>
<thead>
<tr>
<th>Plot No. :</th>
<th>Accession No. :</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Sowing Date:</th>
<th>Name:</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Transplanting Date:</th>
<th>Species:</th>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Location:</th>
<th>Origin:</th>
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</table>

### SEEDLING DATA

**G081** Hypocotyl color

(registered at the time when the primary leaves are expanded)

1 = Green  
2 = Purple  
999 = Mixture

### VEGETATIVE DATA

**G021** Stem determination

3 = determinate  
5 = Semi-determinate  
7 = Indeterminate

**G031** Number of leaflets

1 = 3  
5 = 4-6  
7 = 7 or more

**G091** Leaflet size

(registered with length (cm) x width (cm))

3 = Small (70 cm² or less)  
5 = Medium (71 to 149 cm²)  
7 = Large (150 cm² and more)

**G041** Leaflet shape

3 = Narrow (1/w 2.2 or more) = ‘lanceolate’  
5 = Intermediate (1/w 1.9-2.1)  
7 = Broad (1/W 1.8 or less) = ‘ovate’

**G051** Pubescence density

0 = Absent  
3 = Sparse  
5 = Semi-sparse  
7 = Normal  
9 = Dense  
999 = Mixture

**G061** Pubescence color

1 = Grey  
2 = Light brown  
3 = Brown = ‘tawny’
G071  Pubescence type
  1 = Erect       2 = Semi-appressed    3 = Appressed
  4 = Curly       5 = Retrose tip

G111  Plant height at R1 (R1: 開花期之植株高度)
      (actual measurement in cm as mean of 20 randomly selected plants)

G141  Plant height at R8 (R8: 果荚成熟期之植株高度)
      (actual measurement in cm as mean of 20 randomly selected plants)

G151  Number of primary branches (when at least 2 nodes) per plant at maturity
      (mean of 20 randomly selected plants)

G161  Lodging score
      Scored from leaning angle and lodging area (see table 1)
      0 = None  3 = Slight  5 = Moderate  7 = Severe  9 = Very severe

Table 1. Lean angle and lodging area.

<table>
<thead>
<tr>
<th>Lodging area</th>
<th>0-9º</th>
<th>10-19º</th>
<th>20-29º</th>
<th>40-49º</th>
<th>60º</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-19%</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>20-39%</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>40-59%</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>60-79%</td>
<td>1</td>
<td>3</td>
<td>5</td>
<td>7</td>
<td>9</td>
</tr>
<tr>
<td>80%</td>
<td>3</td>
<td>3</td>
<td>5</td>
<td>7</td>
<td>9</td>
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</tbody>
</table>

INFLORESCENCE DATA

G221  Days to flowering (R1)
      (number of days from planting to 50% of plants with at least one open flower)

G201  Corolla color
      3 = White  5 = Purple throat  7 = Purple  999 = Mixture

G211  Mature pod color
      3 = Tan 5 = Brown  7 = Black  999 = Mixture
G241  Number of pods per plant (mean of 20 randomly selected plants)  
                   ______  ______  ______  ______  ______  ______  ______  ______ 
                   ______  ______  ______  ______  ______  ______  ______  ______ 
G381  Number of seeds per pod (mean of 20 randomly selected pods)  
                   ______  ______  ______  ______  ______  ______  ______  ______ 
                   ______  ______  ______  ______  ______  ______  ______  ______ 
G231  Shattering score  
            (estimated percent of pod splitting and seed shattering at a comparable time  
            after maturity)  
            1 = No shattering  2 = Slight shattering  5 = Medium shattering  
            7 = Shattering  9 = Highly shattering  
SEED DATA  
G391  Hard seeds (actual percent)  
                   ______  ______  ______  ______  ______  ______  ______  ______ 
G301  Seed color  
            1 = Yellowish white  2 = Yellow  3 = Green  
            4 = Light brown  5 = Brown  6 = Grey  
            7 = Imperfect black (black shading to buff)  8 = Black  
            9 = Other (specify)  999 = Mixture  
G311  Seed coat pattern  
            1 = Light hilum  2 = Dark hilum  3 = Saddle  4 = Striped  
            999 = Mixture  
G321  Hilum color  
            1 = Yellow  2 = Buff  3 = Brown  
            4 = Green  5 = Grey  6 = Imperfect black (= black with buff outer ring)  
            7 = Black  8 = Other (specify)  999 = Mixture  
G331  Seed coat surface luster  
            3 = Shiny  5 = Intermediate  7 = Dull  9 = Heavy bloom  
            999 = Mixture  
G341  100 seeds weight (gm)  
            (absolute values in g normally measured at 13-15% moisture content)  
G351  Cotyledon color  
            1 = Yellow  2 = Green  
G411  Total oil content (percent on dry seed weight basis)  
G421  Protein content (6.25 x N) (percent on dry seed weight basis)