



AVRDC-GRSU CHARACTERIZATION RECORD SHEET

Crop: *Phaseolus lunatus* (Lima bean)
 Plot No. : _____ Accession No. : _____
 Sowing Date: _____ Name: _____
 Transplanting Date: _____ Species: _____
 Location: _____ Origin: _____

SEED DATA

- Lim01** Seed length (mm) (種子長) _____

- Lim02** Seed width (mm) (種子寬) _____

- Lim03** Seed thickness (mm) (種子厚度) _____

- Lim04** Seed shape (種子形狀) _____
 1 = Round 2 = Long ovoid 3 = Kidney-shaped
- Lim05** Seed coat marble (種皮斑紋程度) _____
 1 = Absent 2 = Weak 3 = Abundant X = Mixture
- Lim06** Seed coat stripe (種皮斑紋層次) _____
 1 = Absent 2 = One layer 3 = Two layer X = Mixture
- Lim07** Ground color seed coat (種皮底色) _____
 1 = Green 2 = White 3 = Grey
 4 = Yellow 5 = Light yellow 6 = Light brown
 7 = Red brown 8 = Pink 9 = Red
 10 = Deep red 11 = Violet red 12 = Black
 13 = Deep brown X = Mixture
- Lim08** Color of first layer stripe (種皮第一層次色) _____
 1 = Green 2 = Light brown 3 = Brown
 4 = Red 5 = Violet red 6 = Black
 7 = Purple 8 = None 9 = Deep purple
 X = Mixture

Lim09 Color of second layer stripe (種皮第二層次色) _____
1 = Dark red 2 = Violet red 3 = Black 4 = None

Lim10 100 seeds weight (gm; at moisture content 12-14%) (百粒重) _____

VEGETATIVE DATA

Lim11 Cotyledon length (cm) (子葉長) _____

Lim12 Cotyledon width (cm) (子葉寬) _____

Lim13 Cotyledon color (子葉色) _____
1 = White 2 = Green 3 = Red or purple
4 = Hypogeal germination X = Mixture

Lim14 Hypocotyl color (胚莖色) _____
1 = Green 2 = Red 3 = Violet red 4 = Purple X = Mixture

Lim15 Internode length on main stem (cm) (主莖第 3-4 節間長) _____

Lim16 Plant height (cm) (if determinate type) (停心性植株之高度) _____

Lim17 Branching (分枝程度) _____
1 = Very poor 2 = Poor 3 = Medium 4 = Strong 5 = Very strong

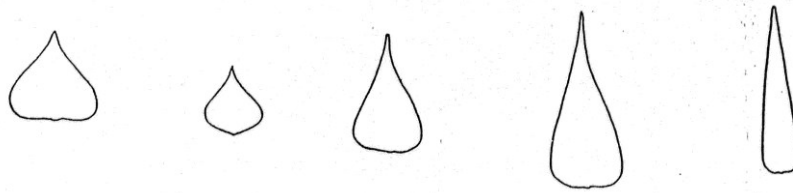
Lim18 Pigmentation on main stem (at 4-6 weeks after transplanting) (主莖之色素形成) _____
1 = Green 2 = Red 3 = Violet red 4 = Purple
5 = Green with violet red strips X = Mixture

Lim19 Tip leaflet length (cm) (小葉長) _____

Lim20 Tip leaflet width (cm) (小葉寬) _____

Lim21 Leaf color (葉色) _____
1 = Light green 2 = Green 3 = Dark green

Lim22 Tip leaflet shape (葉型) _____
 1 = Round 2 = Oval 3 = Ovate 4 = Lanceolate 5 = Long slender
 6 = Other



Lim23 Leaf hairiness density (葉絨毛密度) _____
 (on inner face of first fully expanded leaves from tip at 4-6 weeks after planting)
 1 = Absent 2 = Sparse 3 = Medium 4 = Abundant

Lim24 Plant type (植株生長型態) _____
 1 = Determinate 2 = Semi- determinate 3 = Indeterminate

INFLORESCENCE & FRUIT DATA

Lim25 From sowing to flowering (days) (播種日至開花所需日數) _____

Lim26 Node number to first inflorescence (第一花序下之節數) _____

Lim27 Color of flower standard (花之旗瓣色) _____
 1 = White 2 = Lavender 3 = Purple red 4 = Purple 5 = Green
 6 = Orange-red X = Mixture

Lim28 Color of flower keel (花之龍骨瓣色) _____
 1 = Green 2 = Pink or purple X = Mixture

Lim38 Color of flower wing (花之翼瓣色) _____
 1 = White 2 = Lavender 3 = Purple red 4 = Purple

Lim29 Pod number per inflorescence (每花序豆莢數) _____

Lim30 Mature pod length (cm) (成熟豆莢長) _____

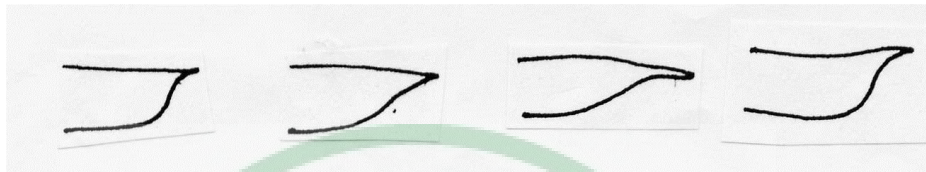
Lim31 Mature pod width (cm) (成熟豆莢寬) _____

Lim32 Mature pod thickness (cm) (成熟豆莢厚度) _____

Lim33 Mature pod curvature (成熟豆莢彎曲度) _____
1 = Straight 2 = Slightly curved 3 = Curved

Lim34 Immature pod color (新鮮豆莢色) _____
1 = Light green 2 = Green 3 = Dark green

Lim35 Mature pod apex length (成熟豆莢末端型態) _____
1 = Short 2 = Medium 3 = Long 4 = Broad long



Lim36 Seed number per mature pod (每豆莢種子數) _____

Lim37 Days to maturity (from emergence to stage when 90% of pods are ripe) _____
(萌芽至豆莢成熟所需天數)

