



AVRDC-GRSU CHARACTERIZATION RECORD SHEET

Crop: *Pastinaca sativa*
 Plot No. : _____ Accession No. : _____
 Sowing Date: _____ Name: _____
 Transplanting Date: _____ Species: _____
 Location: _____ Origin: _____

SEEDLING DATA

Pa01 Germination period (no. of days from sowing to first germination) _____

Pa02 Hypocotyl color _____
 1 = Light green 2 = Green 3 = Dark green
 4 = Purple 5 = Dark purple

Pa03 Cotyledon leaf color _____
 1 = Light green 2 = Green 3 = Dark green
 4 = Purple 5 = Dark purple

Pa04 Cotyledonous leaf length (mm) _____

Pa05 Cotyledonous leaf width (mm) _____

VEGETATIVE DATA

Pa06 Plant growth habit _____
 1 = Erect 2 = Semi- erect 3 = Spreading

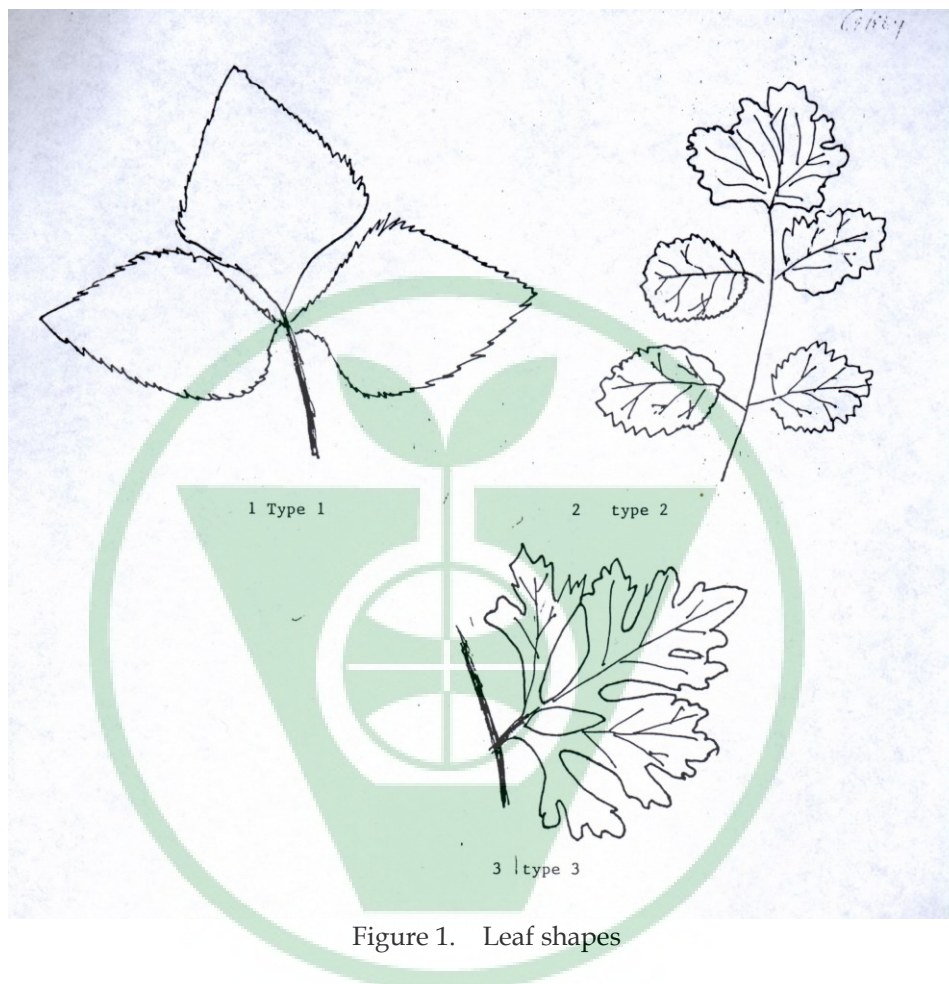
1. Upright: straight and prominent main stem with few branches
 2. Semi- erect: main-stem less prominent but branches do not touch ground
 3. Spreading: branches touch ground

Pa07 Plant diameter (cm) _____

Pa08 Number of leaves per plant _____

Pa09 Leaf color _____
1 = Light green 2 = Yellow green 3 = Green 4 = Dark green

Pa10 Leaf shape (see Figure 1.) _____



Pa11 Leaf blade lobbing _____
1 = Very weak 2 = Weak 3 = Intermediate
4 = Strong 5 = Very strong

Pa12 Petiole aromatic _____
1 = Weak 2 = Intermediate 3 = Strong

Pa13 Petiole thickness (cm) _____
1 = Thin (< 1 cm) 3 = Medium (1.0 ~ 2.0) 5 = Thick (>2 cm)

Pa14 Petiole color _____
1 = White 2 = Light green 3 = Yellow green
4 = Green 5 = Pink

Pa15 Characteristic of petiole
1 = Solid 2 = Hollow

INFLORESCENCE DATA

Pa16 Days to flowering (no. of days from sowing to 50% with inflorescence)

Pa17 Flower color
1 = White 2 = Pink

ROOT DATA

Pa18 Root shape (see Figure 2.)

1 = Nonswollen tap root	2 = Triangular
3 = Cylindric	4 = Elliptic
5 = Spheric	6 = Transverse elliptic
7 = Inverse triangle	8 = Apically bulbous
9 = Horn	10 = Branched
11 = Other (specify) _____	X = Mixture

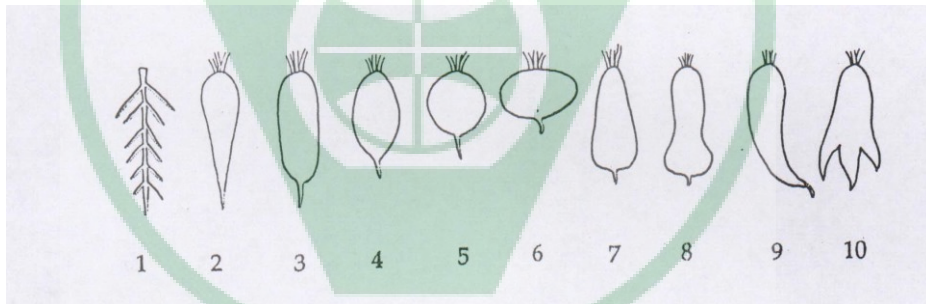


Figure 2. Root, shape in longitudinal section.

Pa19 Root length (cm)

Pa20 Root diameter (cm)

Pa21 Root weight (gm)

Pa22 Root shape of shoulder (see Figure 3.) _____
 3 = Concave 5 = Plane 7 = Convex

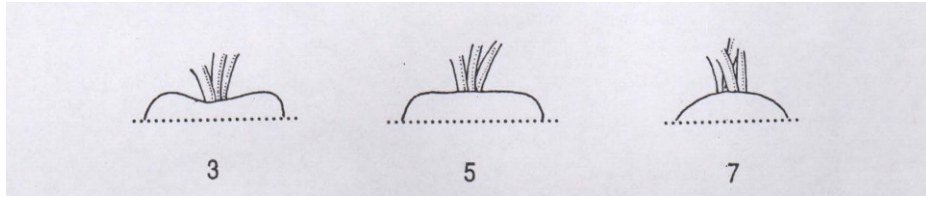


Figure 3. Root, shape of shoulder.

Pa23 Root shape at base (see Figure 4.) _____
 1 = Acute 3 = Obtuse 5 = Convex 7 = Plane 9 = Concave

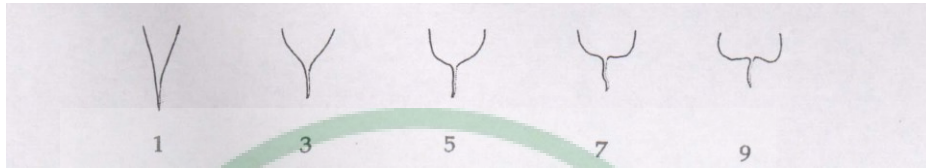


Figure 4. Root, shape at base.

Pa24 Exterior root color _____
 1 = White 2 = Yellow 3 = Green
 4 = Pink 5 = Red 6 = Purple
 7 = Bronze 8 = Brown 9 = Black
 10 = Other (specify) _____ X = Mixture

Pa25 Root exterior color pattern _____
 0 = Uniform 1 = Bicolor 2 = Multicolor
 3 = Mixed color 4 = Lateral root groove of different color than root
 5 = Other (specify) _____ X = Mixture

Pa26 Interior root color _____
 1 = White 2 = Yellow 3 = Green
 4 = Pink 5 = Red 6 = Purple
 7 = Other (specify) _____ X = Mixture

Pa27 Flesh color in transverse section (see Figure 5.) _____
 1 = Uniform 2 = Cortex and cambium
 3 = Radially distribute 4 = Rings
 5 = Irregular 6 = Other (specify) _____
 X = Mixture

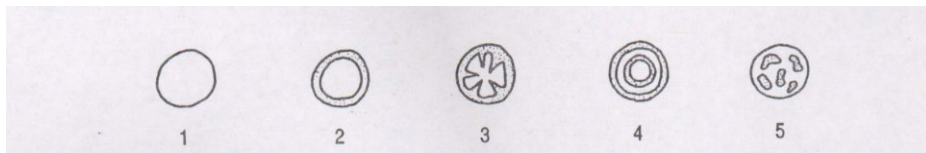


Figure 5. Root, flesh color distribution in transverse section.

SEED DATA

Pa28 Seed shape _____
1 = Round 2 = Oval 3 = Other (specify) _____

Pa29 Seed color _____
1 = Light Brown 3 = Brown 5 = Dark Brown

Pa30 1000 seeds weight (gm) _____

