

Government of Pakistan  
Federal Seed Certification & Registration Department  
Ministry of Food, Agriculture and Livestock  
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**Descriptor**  
**Soybean (*Glycine max*)**

**1. General**

- 1.1 Parentage
- 1.2 Pedigree
- 1.3 Species
- 1.4 Breeder(s)
- 1.5 Comparable variety(s)
- 1.6 Breeding Centre
- 1.7 Origin            1. Local            2. Exotic
- 1.8 Breeding        1. Selection        2. Hybridization    3. Introduction    4. Anyother  
Method

**2. Seedling Characteristics**

- 2.1 Seedling height  
(2 weeks) (cm)
- 2.2 Hypocotyle length (mm)
- 2.3 Anthocyanin color            1. Absent        2. Weak            3. Medium        4.Strong
- 2.4 Cotyledon color            1. Cream        2. Light yellow    3. Yellow
- 2.5 Cotyledon length (mm)
- 2.6 Cotyledon width (mm)
- 2.7 Bud pubescence            1. Absent        2. Weak            3. Medium        4.Strong

**3. Plant Characteristics**

- 3.1 Growth habit            1. Erect            2. Semi erect        3. Prostrate        4. Semi prostrate
- 3.2 Growth Type            1. Determinate    2.Indeterminate
- 3.3 Plant shape            1. Bushy            2. Non bushy
- 3.4 Plant height (cm)
- 3.5 Pubescence color        1. Grey            2. Tawny

**4. Stem Characteristics**

- 4.1 Stem hairiness            1. Absent            2. Weak            3. Medium        4. Strong
- 4.2 Stem branching            1. Weak            2. Medium        3. Strong
- 4.3 No. of Branches/main stem
- 4.4 No. of Nodes/main stem
- 4.5 Stem color at flowering    1. Light green    2. Green            3. Dark green
- 4.6 stem diameter at maturity  
(cm)

**5. Leaf Characteristics**

- 5.1 Leaf color            1. Light green    2. Green            3. Dark green
- 5.2 Leaflets shape            1. Lanceolate    2. Rhomboidal ovoid    3. Elliptic
- 5.3 No. of leaflets
- 5.4 Leaflets size            1. Small            2. Medium            3. Large
- 5.5 Leaf attitude            1. Erect            2. Semierect        3. Horizontal

5.6 Leaf pubescence	1. Absent	2. Weak	3. Medium	4. Strong
5.7 Pubescence color	1. Creamy	2. Tawny		
5.8 Pubescence type	1. Glandular pubescent	2. Non glandular pubescent		
5.9 Senescence	1. Early	2. Medium	3. Late	

## **6. Flower Characteristics**

6.1 Flowering days				
6.2 Flower size	1. Small	2. Medium		
6.3 Flower color	1. White	2. Violet		

## **7. Pod Characteristics**

7.1 Pod color	1. Light brown	2. Brown	3. Dark brown	
7.2 Pod size	1. Small	2. Medium	3. Large	
7.3 Pod setting	1. Low	2. Medium	3. High	
7.4 No. of pods/plant				
7.5 No. of seeds/pod				
7.6 Pubescence	1. Absent	2. Low	3. Medium	4. High
7.7 Shattering	1. Absent	2. Low	3. Medium	4. High

## **8. Seed Characteristics**

8.1 Seed shape	1. Spherical	2. Spherical-flattened	3. Elongated	
8.2 Seed coat color	1. Yellow	2. Green-yellow	3. Green	
	4. Brown	5. Black		
8.3 Coat luster	1. Dull	2. Shiny		
8.4 Seed size	1. Small	2. Medium	3. Large	
8.5 Seed diameter (mm)				
8.6 Seed weight (000) (g)				
8.7 Hilum color	1. Grey	2. Yellow	3. Brown	4. Black
8.8 Hilum shape	1. Linear	2. Oval	3. Rounded	
8.9 Cotyledon color	1. Creamy	2. Light yellow	3. Yellow	

## **9. Quality Characteristics**

9.1 Oil content (%)	9.2 Protein content (%)
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## **10. Resistant to**

- 10.1 Lodging
- 10.2 Insects
- 10.3 Disease
- 10.4 Others
- 10.5 Variants

## **11. Distinguishing Characters**