

Soybean (*Glycine max*)

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|----------|--|-----------------|----|
| 1 | Early plant vigour | PLT_VGR | |
| | To be recorded after 25 days of sowing. | | |
| | Poor | | 1 |
| | Good | | 2 |
| | Very Good | | 3 |
| 2 | Hypocotyl colour | | |
| | Recorded at the time when the primary leaves are expanded | | |
| | Green | | 1 |
| | Purple | | 2 |
| 3 | Stem determination | | |
| | Determinate | | 1 |
| | Semi-determinate | | 2 |
| | Indeterminate | | 3 |
| 4 | Days to 50% flowering | DAY_FLW | |
| | To be recorded as the number of days from planting to the day when 50% of the plants in a row have flowered. | | |
| | Quantitative | | |
| 5 | Photoperiod sensitivity score | | |
| | Insensitive | | 1 |
| | Most sensitive | | 2 |
| 6 | Flower colour | FLW_CLR | |
| | To be recorded in the early morning when it is fully flowered. | | |
| | White | | 1 |
| | Light purple | | 2 |
| | Purple | | 3 |
| | Dark purple | | 4 |
| | Others (Specify in the "REMARKS" descriptor) | | 99 |
| 7 | Leaf shape | LF_SHP | |
| | To be judged from the ratio of length/width of fully developed leaflet at middle of the plant. | | |
| | Broad (l/w 1.0 or less) | | 1 |
| | Intermediate (l/w 1.2 - 2.1) | | 2 |
| | Narrow (l/w 2.2 or more) | | 3 |
| | Others (Specify in the "REMARKS" descriptor) | | 99 |
| 8 | Leaflet colour | LFLT_CLR | |
| | To be recorded before initiation of flowering. | | |
| | White | | 1 |
| | Light green | | 2 |
| | Green | | 3 |
| | Dark green | | 4 |
| | Others (Specify in the "REMARKS" descriptor) | | 99 |

9	Number of leaflets		
		3	3
		4-6	5
		7 or more	7
10	Pubescence		
		Absent	0
		Present	1
11	Pubescence colour	PUB_CLR	
	To be measured at seedling stage (45 days after sowing)		
		Grey	1
		Light tawny	2
		Tawny	3
		Others (Specify in the "REMARKS" descriptor)	99
12	Pubescence density	PUB_DEN	
	To be recorded at seedling stage (45 days after sowing)		
		Glabrous	1
		Sparse	3
		Semi-sparse	5
		Normal	7
		Dense	9
		Others (Specify in the "REMARKS" descriptor)	99
13	Pubescence type	PUB_TYP	
	To be measured at flowering stage (45 days after sowing)		
	Semi appressed		
		Erect	1
		Semi-appressed	2
		Appressed	3
		Curly	4
		Retorse tip	5
		Others (Specify in the "REMARKS" descriptor)	99
14	Plant height (cm)	PLT_HGT	
	To be measured from the base of the plant (at ground level) to the tip of the main shoot (average of 5 random plants)		
	Quantitative		
15	Number of primary branches	PRI_BRN	
	To be recorded as total number of branches at podding stage (average of 5 random plants)		
	Quantitative		
16	Number of secondary branches	SEC_BRN	
	To be recorded after pod filling stage. (average of 5 random plants).		
	Quantitative		

17 Lodging score

Scored from leaning angle and lodging area (Table 1)

None	0
Slight	3
Moderate	5
Severe	7
Very severe	9

Table 1. Leaning angle and lodging area

Lodging area	0-9°	10-19°	20-29°	40-49°	60°
0-19%	1	1	1	1	1
20-39%	1	1	3	3	5
40-59%	1	3	3	5	7
60-79%	1	3	5	7	9
80%	3	3	5	7	9

18 Pod colour

POD_CLR

Colour of the fully developed pods to be recorded

Light brown	1
Brown	2
Dark brown	3
Black	4
Others (Specify in the "REMARKS" descriptor)	99

19 Number of pods per plant

POD_PLT

To be counted as number of mature and effective pods on main shoot and branches (average of .5 plants).

Quantitative

20 Days to 80% maturity

DAY_MAT

To be recorded as the number of days from transplanting to the day when 80% of the pods have attained final colour.

Quantitative

21 Seed coat colour

SED_CLR

To be recorded by visual observation within one month of harvest.

Yellowish white	1
Yellow	2
Green	3
Buff	4
Reddish brown	5
Grey	6
Imperfect black (black shading to buff)	7
Black	8
Others (Specify in the "REMARKS" descriptor)	99

22	Cotyledon colour		
		Yellow	1
		Green	2
23	Hilum colour	HILM_CLR	
	To be recorded by visual observation within one month of harvest.		
		Yellow	1
		Buff	2
		Brown	3
		Green	4
		Grey	5
		Imperfect black (black with buff outer ring)	6
		Black	7
		Others (Specify in the "REMARKS" descriptor)	99
24	Seed coat pattern		
		Light hilum	1
		Dark hilum	2
		Saddle	3
		Striped	4
25	Strophiole at the hilum		
		Absent	0
		Present	1
26	Seed coat surface lusture	SED_LUST	
	To be recorded by visual observation.		
		Shiny	3
		Intermediate	5
		Dull	7
		Heavy bloom	9
		Others (Specify in the "REMARKS" descriptor)	99
27	Number of seeds per pod	SED_POD	
	To be recorded on matured pod (average of 5 random pods).		
		Quantitative	
28	Shattering score		
	Estimated percent of pod splitting and seed shattering at a comparable time after maturity to be specified in the REMARKS descriptor. (Reference varieties can be included.)		
		No shattering	1
		Slight shattering	2
		Medium shattering	3
		Shattering	4
		Highly shattering	5
29	100 seed weight (g)	SED_WT	
	To be recorded on lot of 100 random healthy seeds from the bulk material.		
		Quantitative	
30	Seed yield per plant (g)	SED_YLD	
	To be recorded as weight of fully dried seeds per plant (average of 5 randomly selected plants).		
		Quantitative	
31	REMARKS		