

Sacred basil

Ocimum sanctum L.

Family : Lamiaceae

Hindi name : Tulsi, Kali tulsi

Common name : Sacred basil

Breeding behaviour : Cross-Pollinated

Habit : Under Shrub

1 Plant habit **PLT_HAB**

To be recorded at complete vegetative stage (visual scoring)

1 Annual

2 Perennial

99 Others (Specify in the "REMARKS" descriptor)

2 Mode of reproduction **M_REPROD**

To be recorded as a distinguishing descriptor at species level

1 Sexual

99 Others (Specify in the "REMARKS" descriptor)

3 Plant growth habit **GRW_HAB**

To be recorded after two weeks of transplanting (visual scoring)

1 Erect

2 Semi-erect

99 Others (Specify in the "REMARKS" descriptor)

4 Leaf colour **LF_CLR**

To be recorded at initiation of flowering (visual scoring) using RHS colour chart**

3 Light green

5 Green

7 Dark green

9 Purple

99 Others (Specify in the "REMARKS" descriptor)

5 Leaf shape **LF_SHP**

To be recorded at initiation of flowering (visual scoring)

1 Ovate

2 Elliptical

3 Lanceolate

99 Others (Specify in the “REMARKS” descriptor)

6 Leaf Pubescence **LF_PUB**

To be recorded at initiation of flowering (visual scoring)

1 Smooth

2 Glandular hairs

99 Others (Specify in the “REMARKS” descriptor)

7 Leaf margin **LF_MARGN**

To be recorded at initiation of flowering (visual scoring)

1 Smooth

2 Dentate

99 Others (Specify in the “REMARKS” descriptor)

8 Leaf length (cm) **LF_LT**

To be recorded at initiation of flowering (average of 10 random leaves)

Quantitative

9 Leaf width (cm) **LF_WD**

To be recorded at initiation of flowering (average of same 10 leaves)

Quantitative

10 Stem colour **STEM_CLR**

To be recorded at initiation of flowering (visual scoring) using RHS colour chart**

3 Light green

5 Green

7 Purplish green

9 Purplish

99 Others (Specify in the “REMARKS” descriptor)

11 Leaf stem ratio **LS_RATIO**

To be recorded at initiation of flowering (average of 10 random leaves)

Quantitative

12 Stem pubescence **STEM_PUB**

To be recorded at initiation of flowering (visual scoring)

1 Smooth

2 Glandular hairs

99 Others (Specify in the “REMARKS” descriptor)

- 13 Number of primary branches per plant** BRN_PLT
To be recorded at initiation of flowering stage (average of 10 random plants)
Quantitative
- 14 Days of flowering initiation** DAY_FLW
To be recorded as number of days from planting to the day when flowering starts
Quantitative
- 15 Inflorescence length (cm)** INFL_LT
To be recorded at full stage (average of 10 random inflorescences)
Quantitative
- 16 Number of flowering in a whorl** FLW_WHO
To be recorded at full bloom stage (average of 10 random whorls)
- 17 Calyx colour** CALX_CLR
To be recorded at full bloom stage (visual scoring) using RHS colour chart**
3 Light green
5 Green
7 Dark green
9 Purple green
99 Others (Specify in the "REMARKS" descriptor)
- 18 Calyx pubescence** CALX_PUB
To be recorded at full bloom stage (visual scoring)
1 Small hairs
2 Medium-long hairs
3 Prominently- long hairs
99 Others (Specify in the "REMARKS" descriptor)
- 19 Corolla colour** COR-CLR
To be recorded at full bloom stage (visual scoring) using RHS colour chart**
1 Green
2 Light purple
3 Purple
4 Violet
99 Others (Specify in the "REMARKS" descriptor)
- 20 Fresh herb yield per plant (g)** YLD_PLPF
To be recorded on fresh weight basis at full bloom stage (average of 10 random plants)

Quantitative

21 Dry herb yield per plant (g)

YLD_PLTD

To be recorded on dry weight basis at full bloom stage (average of 10 random plants)

Quantitative

22 Days to seed maturity

DAY_MAT

To be recorded as number of days from sowing/ transplanting to complete seed maturity

Quantitative

23 Seed yield per plant (g)

SED_YLD

To be recorded at complete maturity stage (average of 10 random plants)

Quantitative

24 Seed shape

SED_SHP

To be recorded on dried seeds (visual scoring)

1 Globose

2 Sub-globose

3 Ellipsoid

99 Others (Specify in the "REMARKS" descriptor)

25 Seed colour

SED_CLR

To be recorded on dried seeds (visual scoring) using RHS colour chart**

1 Brown

2 Brownish-black

3 Grayish-brown

99 Others (Specify in the "REMARKS" descriptor)

26 Oil yield per plant (ml)

OIL_YLD

To be extracted on fresh weight basis by steam distillation at full bloom stage (average of 10 random plants)

Quantitative

27 Oil content (%)

OIL%

To be extracted by steam distillation at full bloom stage

Quantitative

28 Eugenol content (%)

EUGENOL%

To be estimated through GC profile

	Quantitative	
29 Eugenyle acetate content (%)		EUGENYL%
To be estimated through GC profile		
	Quantitative	
30 Caryophylline content (%)		CARY_LIN%
To be estimated through GC profile		
	Quantitative	
31 Ocimene (%)		OCIMENE%
To be estimated through GC profile		
	Quantitative	
32 Biotic Stress Susceptibility		BSS
Specify the infestation or infection using any 1-9 scale.		
Note: For Additional information as common name (S) of disease (S)/ pest (S) and casual organism (S) may be appended in the BIOTIC NOTE descriptor.		
	1 Very low or no visible sign of susceptibility	
	3 Low	
	5 Intermediate	
	7 High	
	9 Very high	
33 Biotic notes		BIO_NOTE
Text		
34 Remarks		REMARKS
Text		