Kalmegh

Andrographis paniculata Wall. ex Nees
Family: Acanthaceae

Hindi name **:** Kalmegh, Harachirayata, Kalpnath

Common name **:** Green chiretta, Creat

Breeding behaviour **:** Self to often cross pollinated **Habit** **:** Herb

1. **Plant habit** **PLT_HAB**
   To be recorded at complete vegetative stage (visual scoring)
   - **1** Annual
   - **2** Biennial
   - **3** Perennial
   - **99** Others (Specify in the "REMARKS" descriptor)

2. **Plant growth habit** **GRW_HAB**
   To be recorded full bloom stage (visual scoring)
   - **1** Erect
   - **2** Spreading
   - **99** Others (Specify in the "REMARKS" descriptor)

3. **Branching pattern** **BRN_PATT**
   To be recorded at late vegetative stage (visual scoring)
   - **1** Branched
   - **2** Profusely branched
   - **99** Others (Specify in the "REMARKS" descriptor)

4. **Number of primary branches per plant** **BRN_PLT**
   To be recorded at late flowering stage (average of 10 random plants)

   Quantitative

5. **Leaf lamina length (cm)** **LF_LT**
   To be recorded on the main stem nearest to the primary branching node at flowering stage (average of 10 random leaves)

   Quantitative

6. **Leaf lamina width (cm)** **LF_WD**
   To be recorded on the main stem nearest to the primary branching node at flowering stage (average of 10 random leaves)

   Quantitative

7. Petiole length (cm) **PETIO_LT**

To be recorded on the main stem nearest to the primary branching node at flowering stage (average of 10 random leaves)

Quantitative

8. Petiole width (cm) **PETIO_WD**

To be recorded on the main stem nearest to the primary branching node at flowering stage (average of 10 random leaves)

Quantitative

9. Leaf shape **LF_SHP**

To be recorded on the main stem nearest to the primary branching node at flowering stage (average of 10 random leaves)

1 Narrowly ovate
2 Ovate
3 Oblong
4 Lanceolate
5 Oblanceolate
99 Others (Specify in the "REMARKS" descriptor)

10. Leaf surface **LF_SHP**

To be recorded at late vegetative stage (visual scoring)

0 Globous
1 Hairy
99 Others (Specify in the "REMARKS" descriptor)

11. Leaf colour **LF_CLR**

To be recorded at full bloom stage (visual scoring) using RHS colour chart**

1 Pale green
2 Green
3 Dark green
99 Others (Specify in the "REMARKS" descriptor)

12. Days of flowering **DAY_FLW**

To be recorded as number of days from sowing/transplanting to the day of flower Initiation

Quantitative

13. Inflorescence type` **INFL_TYP**

To be recorded when the inflorescences are completely visible (visual scoring)

1 Lax panicle
2 Compact panicle
99 Others (Specify in the "REMARKS" descriptor)

14. Flower colour **FLW_CLR**

To be recorded when the inflorescences are completely visible (visual scoring) following RHS colour chart**

1 White
2 White with dark-purple streaks
99 Others (Specify in the "REMARKS" descriptor)

15. Days to maturity of the capsules **DAY_HGT**

To be recorded as number of days from date of sowing/ transplanting to the harvest of matured capsules

Quantitative

16. Plant height (cm) **PLT_HGT**

To be measured from the base of the plant to the tip of the main shoot at maturity stage (average of 10 random plants)

Quantitative

17. Capsule length (cm) **CAP_LT**

To be recorded on fully matured capsules from older branches (average of 10 random capsules)

Quantitative

18. Capsule width (cm) **CAP_WD**

To be recorded on fully matured capsules from older branches (average of same 10 random capsules)

Quantitative

19. Capsule shape **CAP_SHP**

To be recorded when capsules are fully matured (visual scoring)

1 Linear
2 Oblong
3 Lanceolate
99 Others (Specify in the "REMARKS" descriptor)

20. Number of seed per capsule **SED_CAP**

To be recorded on matured capsules (average of 10 random capsules)

Quantitative

21. Andrographis content of leaf (%) **ANDR_LF%**

To be estimated from leaves by HPCL method at harvest stage

Quantitative

22. Andrographolide content of stem (%) **ANDR_STM%**

To be estimated from stem by HPCL method at harvest stage

Quantitative