

Table 1 The physico-chemical properties of experimental soil of DoAR, Khajura, Banke, Nepal

| Parameters                            | 0-16 cm depth   | 16-56 cm depth | Mean    |
|---------------------------------------|-----------------|----------------|---------|
| pH                                    | 7.78            | 6.83           | 7.31    |
| OM (%)                                | 2.50            | 1.32           | 1.91    |
| N (%)                                 | 0.16            | 0.09           | 0.13    |
| P <sub>2</sub> O <sub>5</sub> (mg/kg) | 12.01           | 6.92           | 9.47    |
| K <sub>2</sub> O (mg/kg)              | 110.40          | 122.40         | 116.40  |
| Ca (mg/kg)                            | 2028.00         | 2158.00        | 2093.00 |
| Mg (mg/kg)                            | 312.00          | 405.60         | 358.80  |
| S (mg/kg)                             | 1.35            | 5.43           | 3.39    |
| B (mg/kg)                             | 0.32            | -              | 0.32    |
| Sand (%)                              | 15.40           | 13.40          | 14.40   |
| Silt (%)                              | 56.00           | 60.00          | 58.00   |
| Clay (%)                              | 28.60           | 26.60          | 27.60   |
| Textural class                        | Silty clay loam | Slit loam      | -       |