

Analysis and Methods for Soil, Plant and Water

1- Soil

S.No.	Analysis	Methods No.	Days need for analysis (1-10 sample)
1	Moisture content	1-1	3
2	Particles size Distribution	1-2	4
3	Field capacity moisture and permanent wilting point	1-3	6
4	Soil reaction (pH)	1-4	3
5	Electrical conductivity (EC)	1-5	3
6	Determination of calcium carbonate	1-6	3
7	Soil organic matter	1-7	3
8	Total Nitrogen	1-8	4
9	Available phosphorus	1-9	3
10	Potassium and sodium	1-10	3
11	Magnesium	1-11	3
12	Micronutrients	1-12	3
13	Gypsum	1-13	3
14	Soluble calcium and magnesium	1-14	3
15	Carbonate and Bicarbonate	1-15	3
16	chloride	1-16	3
17	Cation Exchange Capacity	1-17	4

2- Plant

S.No .	Analysis	Methods No.	Days need for analysis (1-10 sample)
1	Micronutrient	2-1	6
2	Total Nitrogen	2-2	7
3	Total phosphorus	2-3	6
4	Total potassium and sodium	2-4	6
5	Total magnesium	2-5	6

3- Water

S.No .	Analysis	Methods No.	Days need for analysis (1-10 sample)
1	Soil reaction (pH)	1-4	2
2	Electrical conductivity (EC)	1-5	2
3	Total Nitrogen	1-8	2
4	Available phosphorus	1-9	2
5	Potassium and sodium	1-10	2
6	Magnesium	1-11	2
7	Micronutrients	1-12	2
8	Soluble calcium and magnesium	1-14	2
9	Carbonate and Bicarbonate	1-15	2
10	chloride	1-16	2