Winter Season Study: Soil Electrical Conductivity, Cation Exchange Capacity, Nitrogen, Phosphorus And Sulphur

Soil Electrical Conductivity

In present study we have observed that In case Agriculture zone the greatest Soil Electrical Conductivity concentration 0.45 is detected in sample-10 summer period and minimum Soil Electrical Conductivity 0.14 is observed in sample-9 winter period. In case of Industrial area highest Soil EC 1.63 are found in sample-1 summers season whereas lowest Soil EC 0.61 are found in sample-5 winter period. In case of Domestic area greatest Soil EC 0.41 is detected in sample-10 summer season and lowest Soil Electrical Conductivity 0.18 is analyzed in sample-7 winter season. In case of Transport area high value of Soil Electrical Conductivity is observed 1.16 sample-3 in summer season and lowest value Soil EC is analyzed 0.69 sample-4 in winter season. In case of Mining area high value of Soil EC is observed 1.54 sample-7 in summer season and lowest value is analysed 0.61 sample-9 in winter season.

Cation Exchange Capacity

In present study we have observed that In case Agriculture zone the greatest Soil CEC 14.8 is detected in sample-2 rainy season and lowest Cation Exchange Capacity 10.3 is observed in sample-2 summer season. In case of Industrial area maximum CEC 12.9 are found in sample-10 rainy season whereas lowest CEC 10.2 are found in sample-1 summer season. In case of Domestic area highest CEC 13.9 is detected in sample-5 rainy season and minimum CEC 11.1 is observed in sample-11 summer period. In case of Transport area high value of CEC is observed 12.8 sample-6 in rainy season and lowest value is analyzed moisture 10.6 sample-4 in summer season. In case of Mining area high value of CEC is observed 11.7 sample-8 in rainy season and minimum CEC 8.2 is observed in sample-2 summer season.

Soil Nitrogen

In present study we have observed that In case Agriculture zone the maximum Soil Nitrogen concentration 481.32 is detected in sample-9 summer season & minimum Soil N2 263.24 is observed in sample-6 winter season. In case of Industrial area highest Soil N2 336.13 are obtained in sample-3 winter period whereas minimum Soil N2 concentration 202.33 are analyzed in sample-8 summer period. In case of Domestic area maximum Soil N2 393.03 is detected in sample-8 summer season & minimum Soil N2 253.03 is observed in sample-3 winter season. In case of Transport area highest value of Soil N2 is observed 289.11 sample-3 in rainy period and lowest value is analyzed 208.04 sample-7 in winter season. In case of Mining area highest value of Soil N2 is observed 286.02 sample-6 in winter period and lowest value is analyzed 229.07 sample-1 in summer season.

Soil Phosphorus

In present study we have observed that In case Agriculture zone the highest Soil Phosphorus concentration 36.09 is detected in sample-7 summer season and minimum Soil Phosphoru

19.21 is observed in sample-4 winter season. In case of Industrial area greatest Soil P 13.31 are detected in sample-6 summer period whereas minimum Soil P 10.03 area analyzed in sample-4 winter period. In case of Domestic area greatest Soil Phosphorus 16.39 is detected in sample-3 rainy season and lowest Soil P 10.11 is found in sample-1 winter season. In case of Transport area high value of Soil P is observed 12.56 sample-5 in winter period and lowest value is analyzed 10.12 sample-10 in rainy period. In case of Mining area high value of Soil P is observed 9.78 sample-5 in summer season and lowest value is analyzed 7.21 sample-7 in rainy season.

Soil Potassium

In present study we have found that In case Agriculture zone the maximum Soil Potassium concentration 564.67 is detected in sample-8 summer season and minimum Soil Potassium 318.43 is observed in sample-6 winter season. In case of Industrial area maximum Soil K 343.79 are found in sample-5 summer period whereas minimum Soil K 203.56 are found in sample-2 rainy period. In case of Domestic area maximum Soil Potassium 358.91 is detected in sample-4 winter season and minimum Soil Potassium 247.39 is observed in sample-5 rainy season. In case of Transport area high value of Soil Potassium is observed 367.36 sample-3 in summer season and lowest value is analyzed 204.14 sample-8 in rainy season. In case of Mining area highest value of Soil Potassium is observed 268.89 sample-5 in winter period and lowest value is analyzed 186.23 sample-2 in rainy period.

Soil Sulphur

In present study we have observed that In case Agriculture zone the maximum Soil Sulphur concentration 178.23 is detected in sample-5 summer season and minimum Soil Sulphur 118.24 is observed in sample-3 winter season. In case of Industrial area greatest Soil Sulphur 127.23 are obtained in sample-1 summer period whereas lowest Soil S 69.26 are found in sample-6 rainy period. In case of Domestic area highest Soil S 158.39 is detected in sample-6 winter season & lowest Soil Sulphur 89.56 is observed in sample-10 rainy season. In case of Transport area highest value of Soil S is observed 124.59 sample-4 in summer season and lowest value is analyzed 84.21 sample-7 in rainy season. In case of Mining area greatest value of Soil S is observed 106.21 sample-8 in winter season and lowest value is analyzed 73.19 sample-2 in rainy season.