

NUTRIENT CONTENT IN IRISH RAINFALL WATER

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Emissions of gases from industrial activities and even from agriculture activities and from soil as (release of nitrogen from soils to atmosphere) have been increasing steadily therefore, rain was contaminated by these gases and acid rain is concern throughout the whole of the world. Although the site of rainfall water sample collection located in the east of the country far away from the Atlantic Ocean nutrient content were measurable. TDP concentrations in rainwater samples were very low with DRP the main component in some samples but with DUP dominant in others. DRP values accounted for less than 50 % of dissolved phosphorus in rainfall. Na and Cl ions had the highest concentration, mean and median value because most of Irish rain originates from the Atlantic Ocean. Nitrate had the high value 15.2 ($\mu\text{g}\cdot\text{ml}^{-1}$) but it associated only with mineral fertiliser spreading time.