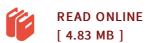




A Study on Terrestrial Nitrogen Cycle in India

By Megha Bhatt

SPS Feb 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x12 mm. Neuware - Nitrogen (N) is a nutrient essential to all forms of life. N in the biosphere is highly reactive and is rapidly cycled. Although N is the most abundant element in the atmosphere, it's a precious commodity -- a limiting nutrient -in most undisturbed natural systems. This study was carried out for a preliminary understanding of terrestrial N cycle with Indian agroecosystem in particular. The major N pools and fluxes of agroecosystem with its allied consumer sectors of human, livestock including poultry, their products and byproducts were estimated for the recent period. The temporal changes to these estimated pools and fluxes resulting from various anthropogenic influences were also studied. In agroecosystem, the major inputs to N cycle include wet deposition as nitrate nitrogen through rainfall, biological nitrogen fixation by nitrogen fixing leguminous and other crops, and dry N deposition by use of inorganic nitrogenous Fertilizers. The total crop N pool, being the largest (including economic and residual) was estimated. The major estimated consumer pools and fluxes include human (& their related fluxes such as food consumption, nitrogenous wastes, livestock & poultry, its waste etc. 196 pp. Englisch.



Reviews

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