

Investigation of Effect of Chemical Fertilizers on Soil And Water Environment of Uda-Kishanganj Village of Madhepura District [India]

Nitasha Kumari

Naresh Kumar

This paper focuses on analyzing the effect of excessive use of Chemical fertilizers on pH of the soil of Uda-Kishanganj village of Madhepura. Soil pH is a key parameter for crop productivity. Soil pH affects the soil's physical, chemical and biological properties and thus plant growth. The accumulation of excess salts through the application of chemical fertilizers threatens production of crops in this region. Excessive fertilization causes heavy metal accumulation, water eutrophication and animals as per the availability of nutrients. Recommendations of cultivating the particular crop and proper fertilizer will be given. ACP and ALP have been also calculated and compared with tolerable values.