

Project Title: Determination of Potassium release during Clay Mineral Weathering in Alkaline Soils

Principal Investigator: Dr. Irshad Bibi, Assistant Professor, Institute of Soil & Environmental Sciences, University of Agriculture, Faisalabad

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In this project we have investigated the effect of alkaline pH on potassium release from clay mineral (micas) weathering. The estimates on the K release obtained from mica dissolution rates will be helpful in determining the availability of K to the plants and can also be employed in determining the amounts of K fertilizers required for the plant growth in these soils. The results will lead to conclude that how phosphate fertilizer application could increase the bioavailability of arsenic in soils for plant uptake.