

## **Phosphorus (P) Desorption Kinetics From Field and Laboratory Amended**

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Long term P sorption/desorption on natural materials can greatly affect the transport and bioavailability of P in soil and water environments. The effect of residence time on P desorption was investigated for long times (>30 days) on Atlantic Coastal Plain soils that have received long term field applications of P and an unamended soil. The latter soil was spiked with P as  $\text{NaH}_2\text{PO}_4$  such that the ammonium oxalate extractable P (Pox) was equal in both soils. Temperature studies were conducted and activation energies will be determined to assist in elucidating rate determining steps.