

IMPLICATIONS OF NUTRIENT AND pH STRATIFICATION IN NO-TILL

B. Arnall and R. Sharry

Oklahoma State University, Stillwater, OK

b.arnall@okstate.edu

ABSTRACT

Stratification of non-mobile nutrients in no-till is not a surprising result. However, this presentation will share the findings of soil sampling a series of long-term NPK fertility studies which have been in no-till production for more than ten years. This data set includes a non-treated check. Beyond stratification of nutrients we found significant stratification of OM, soil acidity, and Al^{3+} . The impacts of stratification in a production system will be discussed along with potential problems and solutions.