

Kansas Administrative Regulations

Kansas Department of Agriculture

Article 21.—Nutrient Utilization Plans

4-21-4. Soil tests.

The composite soil samples from each field shall be analyzed for the nutrients specified in subsection (a) in the manner prescribed by this regulation.

(a) The analyses listed in this subsection shall follow the directions on the specified pages that are hereby adopted by reference from the north central regional research publication no. 221, "recommended chemical soil test procedures for the north central region," revised January 1998, as follows:

(1) The analysis for nitrate-N shall follow the directions on pages 17 through 19.

(2) The analysis for phosphorus shall follow the directions on pages 21 through 26. Calcareous soils shall follow the directions for the Olsen phosphorus test on pages 25 through 26. For noncalcareous soils, the analysis shall follow the directions for either the Bray and Kurtz P-1 analysis, on pages 21 through 22, or the Mehlich 3 analysis, on pages 23-24. Calcareous soil is defined as soil having a pH above 7.0 that effervesces when a solution of 3N (three normal) hydrochloric acid is added drop-wise to the sample.

(3) The analysis for copper shall follow the directions for diethylenetriaminepentaacetic acid (DTPA) extraction on pages 41 through 42.

(4) The analysis for chlorides shall follow the directions for the mercury (II) thiocyanate method on pages 49 through 50.

(5) The analysis for zinc shall follow the directions for DTPA extraction on pages 41 through 42.

(b) An analysis different from any analysis specified in this regulation may be used if the analysis is based on generally recognized sound agronomic interpretations and laboratory methods and is approved by the secretary of agriculture.

(c) The authorized representative for the laboratory at which the sample was analyzed shall certify that the sample was analyzed according to the applicable

procedure set forth in this regulation and that the results of the analysis are an accurate analysis of the sample. The laboratory's certification shall show the date the sample was received, the date the sample was analyzed, the signature of the laboratory's authorized representative, and the results of the analysis for each chemical in each sample analyzed.

(Authorized by K.S.A. 2-3305 and K.S.A. 2-3309; implementing K.S.A. 2-3318, as amended by L. 2002, ch. 181, sec. 14 and K.S.A. 2001 Supp. 65-1,182; effective, T-4-12-29-98, Jan. 1, 1999; effective April 23, 1999; amended April 4, 2003.)

***** Authenticated Kansas Administrative Regulation *****