

# **Development of a Water Extractable Phosphorus Test for Manure: An Interlaboratory Study. (S08-wolf102109-Poster)**

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## **Abstract:**

Soluble, or water extractable, manure phosphorus (P), has been correlated with P runoff from agricultural land to which manure has been applied and can therefore provide a useful indicator of P loss potential. A standard method for measuring water extractable P (WEP) in manures has not been established and variables impacting the measurement have not been widely studied. In this investigation, the impact of several variables including manure holding times, extract holding times, and method of P measurement (ICP vs colorimetric) on WEP were evaluated. In addition, 4 manure samples (2 poultry, 1 dairy, and 1 swine) were distributed to a group of public and private laboratories along with the proposed WEP method to assess interlaboratory variability of the WEP test results.

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