Phytate determination in Dairy Feces. (S02-boerth142915-Poster)

Authors:

- T.J.Boerth* - *University of Wisconsin-Madison*
- P.A.Helmke* - *University of Wisconsin-Madison*

Abstract:

A capillary electrophoresis method was developed to determine the total amount of phytate (myo-inositol hexaphosphate) in five percent trichloroacetic acid extracts of dairy feces. The total amount of phytate phosphorus in dairy feces ranges from fifteen to fifty percent of the total phosphorus. The amount of phytate in dairy feces is indirectly proportional to the amount of supplemental orthophosphate in the dairy ration. Approximately fifteen percent of the total phytate in dairy feces is mineralized by phytase.

Corresponding Author Information:

Thomas Boerth
University of Wisconsin-Madison
610 Baltzell St.
Madison, WI 53711

phone: (608)233-2434
e-mail: tjboerth@students.wisc.edu

Presentation Information:

Presentation Date: Monday, November 11, 2002
Presentation Time: 2:00-4:00 pm
Poster Board Number: 2036

Keywords:

Phytate, Phytase , Phosphatase