



## Potential Use of Dried Dairy Permeate in Poultry Feed to Reduce the Incidence of Salmonella - August 2014

The American Dairy Products Institute (ADPI) is investigating the feasibility of feeding dairy permeate to poultry to reduce the incidence of Salmonella. Dr. Jim Sullivan, a member of the ADPI Center of Excellence, has completed an extensive review of the scientific literature regarding the use of dairy products in the birds' feed to reduce Salmonella.

Based on a review of the limited research that has been done in this area, Dr. Sullivan reports that feeding a lactose source to poultry appears to reduce the incidence of Salmonella some of the time but not in every trial.

The CDC (Centers for Disease Control) reports that 48 million Americans get sick from foodborne illnesses each year. Of course not all are from Salmonella and poultry is only one source of potentially dangerous contaminated food. However, there is no question that food safety is a major issue in this country.

According to the CDC the top five pathogens contributing to foodborne illness in the US are:

Salmonella	35%
Norovirus	26%
Campylobacter spp.	15%
Toxoplasma gondii	8%
E. coli STEC	4%
Subtotal	88%

Since it has been proven scientifically that the feeding of lactose containing ingredients to chickens may reduce Salmonella, it would appear that more work should be done to understand and perfect this feeding practice in order to help protect the health of the US public.

ADPI is investigating the possibility of joining forces with one of the poultry associations to support university research to determine if the feeding of dried dairy permeate to chickens will reduce the incidence of Salmonella in chicken meat and eggs. [View Complete Report](#)

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