



Project Title:
O&T Farms Ltd. Egg Analysis Program

Research Team:

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Project Code	N/A
Completed	<i>In Progress</i>

Background:

A common strategy for increasing Omega-3 dietary intake of humans is through the consumption of functional foods such as Omega-3 eggs. Since the fatty acid composition of the egg yolk is largely related to the fatty acid composition of the diet, enrichment of eggs can be achieved through the addition of ingredients containing Omega-3 fatty acids.

O&T Farms Ltd. offers all LinPRO clients the opportunity to participate in their ***Egg Analysis Program***. This program is designed to assist clients within their quality control parameters as well as provides valuable data for use in ration formulations.

Objective:

The objective of this program is to investigate the effects of different dietary inclusion levels of LinPRO on fatty acid profile of eggs from laying hens.

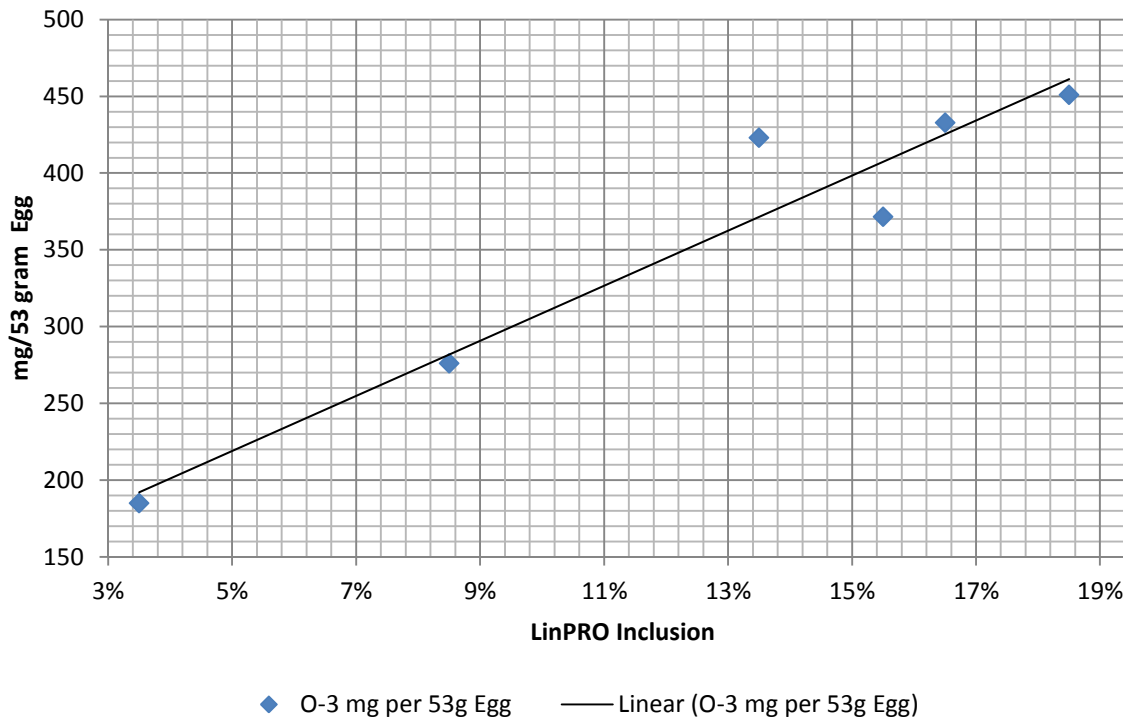
Program Design:

Eggs are submitted for fatty acid analysis by O&T Farms Ltd.'s clients, on a voluntary basis. Results are then entered into the O&T Farms Ltd. data base to investigate the effects various levels of inclusion may have on the fatty acid profile of eggs with specific emphasis being placed on the Omega-3 fatty acid content.

Findings:

Findings have demonstrated a clear linear relationship between the inclusion level of LinPRO and the total Omega-3 fatty acid content of the egg.

Effects of LinPRO Inclusion Rates



Implications:

Data collected from this program provides valuable insight regarding the use of LinPRO in layer rations for the production of Omega-3 enriched eggs.

Funding:



For more information please contact O&T Farms Ltd.

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