



NEWS RELEASE

FOR IMMEDIATE RELEASE

August 21st, 2017

LinPRO™-R with Omega-3s shown to improve immune status of transition cows

REGINA, SK., CANADA – O&T Farms Ltd. recently collaborated with researchers from Penn State University on a feeding trial that confirmed the addition of Omega-3 fatty acids in transition cow diets impacted the animal's immune status.

The transition period is the most difficult time of the dairy cow's life, when increased metabolic stress due to lactation can suppress immune function and increase the risk of inflammation. This decreases energy availability and results in reduced conception rates in some cases. Strategies to improve immune cell function and mitigate inflammatory responses can help ensure the health of dairy cows during the transition period.

A feeding trial, conducted at Penn State University, added O&T Farms' extruded flaxseed product, linPRO™-R, to the diet of transition cows from calving to 21 days post-calving. Results of the study, presented at the 2017 American Dairy Science Association Conference in Pittsburgh, PA in June (Fetter et al., JDS (abs) 2017), and showed that cows fed with the linPRO™-R product had a reduction in inflammatory marker expression compared to cows fed a control diet without the product.

Dr. Troy Ott, Professor of Reproductive Physiology at Penn State University, who led the research said, "Ongoing research at Penn State supports the hypothesis that feeding a diet enriched in Omega-3 fatty acids (linPRO™-R) from calving to 21 days after calving alters immune cell function in transition dairy cows."

LinPRO™-R comes as a flowable mash for easy handling and feeding, and overcomes challenges historically associated with on-farm feeding of ground flaxseed or flaxseed oil, which can cause digestive disturbances in the rumen and limit Omega-3 fatty acid availability.

"LinPRO™-R is manufactured using a patented dry-extrusion process which protects the Omega-3 fatty acids from the rumen environment, while ensuring nutrient digestibility in the lower gastrointestinal tract," says Janna Moats, Research and Development Manager at O&T Farms.

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P.O. Box 26011 TEL: 306 543 4777
Regina, SK FAX: 306 545 0661
S4R 8R7 EMAIL: otfarms@otfarms.ca

www.otfarms.ca

Contact:

Janna Moats

Research & Development Manager

O&T Farms Ltd.

JannaMoats@otfarms.ca

Cell: (306) 533-4345

About O&T Farms Ltd.

O&T Farms is a pioneer and leader in the animal nutrition field, offering the most effective and efficient land-based feed product for Omega-3s in the world. The company takes a collaborative approach to help its clients enhance animal and human health.

Website: <http://www.otfarms.ca/>

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P.O. Box 26011

Regina, SK

S4R 8R7

TEL: 306 543 4777

FAX: 306 545 0661

EMAIL: otfarms@otfarms.ca

www.otfarms.ca