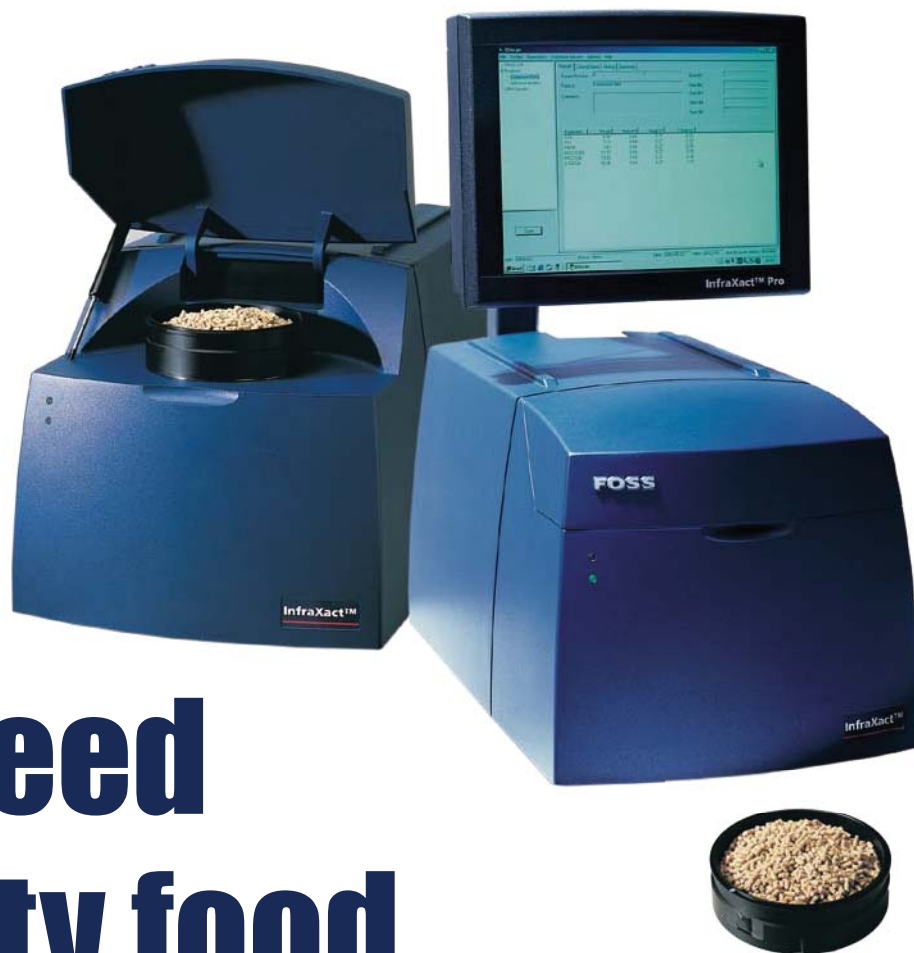


## **InfraXact™ with extended plant based feed ingredients calibration**



# **Quality feed for quality food**

*The quality of the products from leading Latin American dairy producers, Dos Pinos, starts in their own feed plant, where all the raw materials and finished feed for their cattle are tested in a sophisticated feed laboratory.*

*Two years ago, Dos Pinos began using an InfraXact Lab with the Feed Ingredients package for all the plant based raw materials: Corn, Wheat, Soy meal, DDGS. The InfraXact had a positive impact and became essential both for the laboratory and for the production area. "I would say that the InfraXact is the heart of both departments," says Mrs Sandra Quirós, Feed Plant Laboratory Manager.*

*With this background the company purchased an additional InfraXact PRO with the new Plant Based Feed Ingredients Application. Mariela Herrera from FOSS distributor, Scanco reports for In Focus.*

**IF: Where do you use your InfraXact™ instruments?**

**Quirós:** We use the InfraXact for raw materials inspection. Besides cattle feed we also produce pet food, poultry and pig feed. We use it for all the finished products, and we also use it for our powdered milk.

**IF: What's the greatest advantage of having this solution?**

**Quirós:** Not only time, but considerable reagents savings. Ac-

tually our laboratory offers more sampling and we spend less money than when using the traditional method. The results are sent to the production department 15 minutes after we receive the sample. They use this info for formulation and for final product inspection.

Since Dos Pinos is a cooperative we have many associates and the laboratory also receives samples from the associate farms. They can check the results in the Dos Pinos internal network 15 minutes after bringing the sample to the laboratory.

**IF: What is your overall impression of the instrument?**

**Quirós:** InfraXact is the "heart" of the lab. This equipment is essential to our plant; in fact it would be impossible to revert to the 'old style' analysis. Since we started working with the InfraXact, the Production Department designs its operations based on the fast and accurate results from the laboratory. Now the plant works assuming that the laboratory sends the results immediately.

**IF: Recently you bought a second InfraXact and together with that you received the latest version of our, 'Plant based, feed ingredients' calibration. What products do you use this for?**

**Quirós:** The InfraXact is so important for the plant that we decided to purchase an additional unit as a 'back up'. We cannot



*“InfraXact™ is the “heart” of the lab. This equipment is essential to our plant; in fact it would be impossible to revert to the ‘old style’ analysis.”*

risk having only one InfraXact. If for some reason the InfraXact is unavailable, I want to make sure that the plant and the laboratory continue operating.

We chose the InfraXact Pro model because it is installed in the sample reception area for incoming raw materials and the finished products, where it is dusty and hot. We use the Feed Ingredients Package for our most common raw materials: Soy meal, Corn, DDGS, Rice and Wheat products.

***IF: How is that calibration working?***

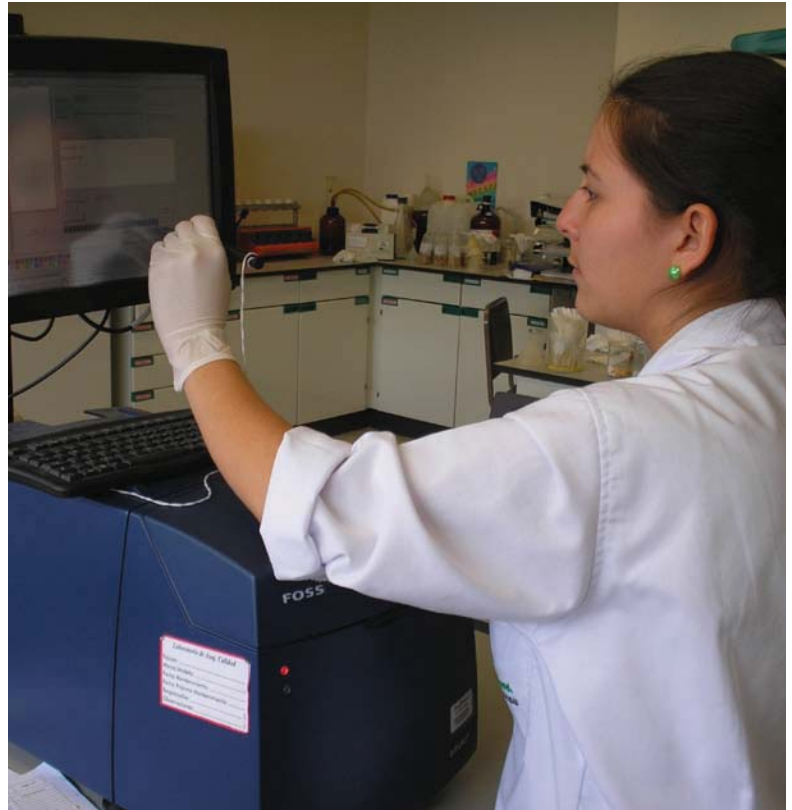
***Quirós:*** So far, the results look much better than in the older calibration. In Soy Meal, DDGS, and Corn we had some problems with low protein results; however, this inconvenience disappeared in the new calibration. This is a useful tool for us at this moment since we are in the process of ISO 17025 certification. We already validate moisture using the old calibration, now we are ready to validate InfraXact protein using this new application model.

It is clear to me that FOSS has significantly improved the feed ingredients calibration.

***IF: Have you seen any difference compared with the earlier calibration version you have used and how does that help you in your business?***

***Quirós:*** Yes, the new feed ingredients calibration is more robust than the earlier version. We achieve more accurate results, especially in high protein raw materials, moisture and ash which is a big advantage for the laboratory and for the production department.

*by Mariela Herrera, Scanco, Costa Rica*



**DOS PINOS Quality**

Cooperative de Productores de Leche R.L., or DOS PINOS is one of the most outstanding Latin American Dairy Producers and the largest food processing plant in Central America.

It was founded seventy years ago as a farmers’ cooperative. A focus on quality extends throughout the entire company, from the cattle feed blending to the finished milk products, and from development of new products to their storage and distribution.

The culture of quality in the DOS PINOS Cooperative is embodied in a comprehensive quality assurance system that reminds all employees that quality is created when every employee takes responsibility regardless of their area of work. Quality initiatives are supported by a ISO 9000, ISO 14000 Certification and ISO 17025, in progress.

**FOSS global calibrations**

The feed industry is a true global industry with raw materials being traded in international commodity markets. FOSS has developed true global calibrations using data collected from different corners of the world. A special implementation of Artificial Neural Networks, enables the creation of large calibration models covering a wide measurement range, involving multiple products from different geographical origin.

The calibrations are continuously expanded with new data to cover new harvests, new raw materials and new geographical origins. Customers can take advantage of this work by continuously using the FOSS Global Calibration updates. The idea is that calibrations should work, not only today but also in the foreseeable future.