

Evonik released its 2017 raw material crop report for Brazil

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Evonik has just released its 2017 raw material crop report with data of different Brazilian crops. The study contains comprehensive and detailed information on the nutritional content of the main raw materials used in feed production in Brazil, such as amino acid levels, bromatological parameters, metabolizable energy for poultry and digestibility coefficient for poultry and swine.

Contato:
Regina Barbara
Corporate Communication
Phone +55 11 3146-4170
regina.barbara@evonik.com

This year's report includes an enhancement: in addition to including consolidated Brazilian data on corn and soybean meal, data is also specific per region: South, Southwest, Southeast, and Northeast. "This work could only be conducted thanks to the collaboration of companies that committed to sending us samples of those raw materials collected in specific regions throughout the year", says Valeska Passarelo, Analytical Services Manager at Evonik Brazil.

It is important to highlight that alterations in soil conditions, the climate, and new technologies applied to seeds significantly impact the nutritional value of plant ingredients. For that reason, it is necessary to do annual updates and Evonik's periodic report is a valuable tool when it comes to precision nutrition.

Evonik's analytical services

Evonik's raw material crop report results from decades of experience and innovation in the feed segment, whose focus is maximizing the nutritional value of its feed additives. In this sense, Evonik has a host of tools, the AMINO Tools, to help customers optimize its production results by reducing safety margins and efficiently managing the nutritional variability of the ingredients. The result is a more profitable, uniform, and sustainable animal production.

AMINODat® 5.0 – comprises the results of more than 21,000 samples from across the world and it is based on more than

Evonik Brasil Ltda.
Rua Arq. Olavo Redig de Campos, 105
Torre A - 04711-904 - São Paulo - SP
Brazil

www.evonik.com.br

530,000 results. It provides the amino acid profile, respective regression equation and the recommendations for different species. This constantly updated database, which includes 720 ingredients, is the perfect tool to optimize feed formulation and compare new ingredients.

AMINOInsight™ – a new statistic evaluation tool. Its objective is to analyze and provide data in a way that makes it easy to get important information on the analyzed properties of the raw materials (it allows working with many samples). The combined statistic evaluation and graphic exhibition helps to make faster and more reliable decisions.

AMINOLab® – an Evonik laboratory with high analytical capability, more than 55 years of experience in wet chemistry amino acid analysis conducted by a specialized team using cutting-edge technology to guarantee precise results for several types of feed production samples.

AMINONIR® – the near-infrared reflectance spectroscopy (NIRS) is already being used for several years in the analysis of feed ingredients. Evonik has developed specific calibrations for the prediction of raw protein and essential (total and digestible amino acids / standardized ideal digestibility) and non-essential amino acids in all major feed ingredients. The basis of AMINONIR® is a large and diverse set of samples from across the world. The advantages of AMINONIR® are easy sample collection and preparation, speed and low operating cost. AMINONIR® is easy to use, does not need chemicals to operate, and offers the opportunity to do extensive raw material screening programs at moderate cost.

AMINOProx® – applies near-infrared technology to predict nutrients from proximate analysis and phosphorus in feed raw materials. AMINOProx® makes it possible to save \$1.00 or more per ton of feed in a variety of practical situations.

AMINONRG® – estimates the energy levels of different ingredients through selected regression equations using proximate analysis values from AMINOProx®.

AMINORed® – this tool allows to decrease safety margins and helps to make better purchasing decisions. The use of NIRS to estimate the processing conditions indicator (PCI) of a soy sample via our AMINORed® 2.0 service offers a fast, reliable, and practical solution for the business.

Broad scope of operation

Evonik started publishing its Europe Raw Material Crop Report in 2012. Since then, the report has become increasingly comprehensive as it uses more analytical parameters and includes data from several countries

In Brazil, the report started to be issued in 2016 and it is available to all Evonik clients. The report can be requested by e-mail at sac-animalnutrition@evonik.com.

From the analysis to the optimization of processes, Evonik's tools aim to be helpful in all animal feed managerial aspects. In this way, it contributes to significantly increase the profitability of its clients and foster a healthier and more environmentally friendly animal nutrition.

Company information

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-orientated innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world with more than 36,000 employees. In fiscal 2017, the enterprise generated sales of €14.4 billion and an operating profit (adjusted EBITDA) of €2.36 billion.

About Nutrition & Care

The Nutrition & Care segment is led by Evonik Nutrition & Care GmbH and contributes to fulfilling basic human needs. That includes applications for everyday consumer goods as well as animal nutrition and health care. This segment employed about 8,200 employees, and generated sales of around €4.5 billion in 2017.

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Evonik Brasil Ltda.

Fone: (11) 3146-4100

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twitter.com/Evonik

Press information:

Via Pública Comunicação – www.viapublicacomunicacao.com.br



Sheila Diez: +55 11 3473.0255/98540.7777 –

sheila@viapublicacomunicacao.com.br

Taís Augusto: +55 11 4423.3150/99642.7274 –

tais@viapublicacomunicacao.com.br

Inês Cardoso: +55 11 3562.5555/99950.6687 –

ines@viapublicacomunicacao.com.br