

International Agrophysics

Polish Journal of Soil Science

Acta Agrophysica

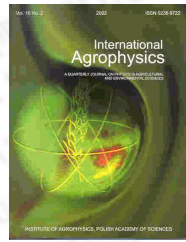
Instytut Agrofizyki

International Agrophysics

General information

Issues

Search



International Agrophysics

publisher: Institute of Agrophysics
Polish Academy of Sciences
Lublin, Poland

ISSN: 0236-8722

vol. 22, nr. 3 (2008)

[previous paper](#) [back to paper's list](#) [next paper](#)

Physical measurements applied to "on line" quality control in feed manufacturing

[\(get PDF\)](#) Melcion J-P.¹, Riou Y.²¹ Laboratoire de Technologic Appliquee a la Nutrition, INRA, Rue de la Ge² Tecaliman, B.P. 71627,44316 Nantes Cedex 03, France

vol. 11 (1997), nr. 4, pp. 237-243

abstract On line control provides real time measurement of the feed quality as it is being manufactured. Real time measurement may contribute to a better information of the quality. It allows to detect eventual disturbances of processing and to make the equipment self-running. Numerous methods are available for each step of feed processing: near infra-red spectroscopy for proximate analysis (proportioning), laser diffraction for particle size (grinding/classifying), abrasion test (pelleting). A particular attention has to be paid to sampling methodology and to the validity of the relationships between the considered quality criteria and process variables.

keywords feed processing, on-line control, particle size, composition, durability, near infra-red spectroscopy, laser diffraction

Instytut Agrofizyki PAN
ul. Doświadczalna 4
20-290 Lubline-mail: sekretariat@ipan.lublin.pl
tel.: +48817445061
fax.: +48817445067