

L.19. Overview of European rendering technology

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Introduction:

The rendering process will be described as it relates to the activities of the European Fat Processors and Renderers Association [EFPPRA]. The focus of the paper will relate to animal by-products not intended for human consumption and the position of edible fats will be covered only briefly, as this subject is covered by my colleague, Johan van der Veen.

The Rendering Industry:

The role of rendering within the EU Animal By-Product Regulation [ABPR 1774/2002] will be explained in detail. Key aspects of the ABPR will be explained in terms of raw material inputs, the processing systems approved for use and the product outputs.

TSE risk reduction will be dealt with briefly, in relation to the category of raw material, the specific approved processes and the control of the products. Further details relating to TSE risk reduction will be considered by my colleague, Radulf Oberthur.

Applications for rendered products:

The major products of rendering are processed animal proteins (PAP) and processed animal fat (PAF). Applications for these products will be discussed in terms of the hierarchy of value. These applications will include use of rendered products as fuels, in construction products, as fertilisers and as ingredients in pet foods and animal feeds.

Legislation and controls:

The controls pertaining to the processing and application of the products will be discussed and the initiatives being developed by EFPPRA to facilitate the future wider use of rendered products will be highlighted. Particular reference will be made to

- a) control systems for materials that require "marking" with coloured dyes or indelible compounds and
- b) identification methods for determining the species identity of processed animal proteins either as pure PAP or as an ingredient in animal feed.

Conclusions:

EU Rendering systems will be reviewed in relation to the Animal By-Products Regulation. [ABPR 1774/2002] and the consequences of this regulation as it relates to animal by-products not intended for human consumption will be shown with reference to current and future control systems. The position of the rendering industry in a sustainable livestock production system will be confirmed.

Key words

Animal By-Products; Rendering; ABPR (1774) ; Sustainable