



FEMAS Sector Note No. 14 – Biofuel Products

These Sector Notes apply to businesses producing By-Products of Biofuels for use in animal feed.

These Notes are not exhaustive, and are intended to assist in the application of the corresponding requirements of the FEMAS Standard and are not to be considered in isolation.

Section 1 of these Sector Notes includes definitions of specific relevance to this sector.

Section 2 of these Sector Notes includes those additional requirements of the FEMAS Scheme specific to this sector and with which Participants **must** comply in order to achieve certification under the FEMAS Scheme.

Section 3 of these Sector Notes includes additional guidance (shown in italics) specific to this sector, which will assist Participants in interpreting the FEMAS Standard for their sector.

1 Definitions

By-products of Biofuels	By-products of bioethanol production include: distillers grains with or without solubles (which may be marketed dried or moist) and dried yeast. By-products of biodiesel production include: glycerol (glycerine). Additional materials may be made available as processes evolve.
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2 Additional Sector-Specific Requirements

B 1.7	HACCP and Feed Safety Risk Assessment	Distillers by-products must not contain residual levels of Virginiamycin, Tylosin, Monensin Sodium (or other antimicrobial substances) used during processing.
C 2.2	Selection and Approval of Raw Materials	Participants must demonstrate that by-products from biodiesel production intended for animal feeding do not originate from oils or fats which are banned under EU Regulations 1069/2009 or 225/2012.
F 1.1	Feed Specifications	Where glycerol offered for feed use contains Sodium, Potassium or other residues arising from processing, this must be stated in the specification.
G 1.12	Premises	When Cleaning in Place (CIP) systems are in operation, applicants must be able to demonstrate that residual cleaning agents are not present in Biofuel By-products at levels that may be detrimental to livestock.

3 Sector-Specific Guidance

B 1.7	HACCP and Feed Safety Risk Assessment	<i>Sector-specific potential hazards include but are not limited to:</i> <ul style="list-style-type: none">• <i>Residual methanol present in glycerine (industry guidance is <0.5% for safety reasons)</i>• <i>Levels of Potassium and Sodium</i>
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