

Overview of background data reports on processing for FeedPrint

Background documentation of the life cycle inventory data for the FeedPrint program is described in separate documents. This overview document gives a brief reading guidance for the documents containing background information of processing. Background data of cultivation of the crops are described in separate set of documents (Marinussen *et al.*, 2012).

Each document of industrial processing category contains data on the production of one or more animal feed materials that belong to the category. Starting point for the selection of an animal feed material is the Dutch CVB-table (in appendix I of Vellinga *et al.*, 2012). A by-product is selected if it is listed in the Dutch CVB-table.

Seven categories of industrial processing distinguished, and for each of this a separate document exists:

1. Crushing of oil seeds (soybeans, oil palm, rape seed, and others)
2. Wet milling industry (maize, potatoes, wheat)
3. Bio-ethanol industry (maize, beet molasses, wheat)
4. Dry milling industry (barley, oats, maize, rice, rye, and wheat)
5. Sugar industry (sugar beets and sugar cane)
6. Animal products (fish meal and oil, dairy products, slaughterhouse by-products)
7. Other products

Products and by-products processed by the Dutch animal feed industry are imported from several countries (see also § 3.4 of the methodology report: Vellinga *et al.*, 2012). Cultivation data are inventoried for each country that was found relevant by the CFPAN cultivation working group. The share of each country to the import of a crop or by-products to the Netherlands is documented in the reports on industrial processing.

Cultivation data requirements are described in chapter 4 of the methodology report (Vellinga *et al.* (2012). In chapter 7 of the methodology report it is explained how emissions due to transport of crops or feed-raw materials are estimated. The emissions due to the production of fertilizers is described in § 8.1 of the methodology report.

References

- CVB-table: see appendix 1 in Vellinga *et al.* (2012)
- European Commission. (2011). COMMISSION REGULATION (EU) No 575 / 2011 of 16 June 2011 on the Catalogue of feed materials. *Official Journal of the European Union*, (L 159), 25–65.
- Marinussen *et al.* (2012) Background data documents on cultivation. Blonk Consultants. Gouda, the Netherlands
- Vellinga, T.V., Blonk, H., Marinussen, M., van Zeist, W.J., de Boer, I.J.M. (2012) Methodology used in feedprint: a tool quantifying greenhouse gas emissions of feed production and utilization Wageningen UR Livestock Research and Blonk Consultants. Lelystad/Gouda, the Netherlands