

Readers Guidance Cultivation Reports

Background documentation of the life cycle inventory data for the FeedPrint program is described in separate documents. This document gives a brief reading guidance for the documents containing background information of cultivation. Background data of industrial processing of the crops and the production of by-products are described in separate set of documents (Van Zeist *et al.*, 2012).

Crops are categorized in crop categories according to the definition of crop categories in the EU feed catalogue (European Commission, 2011). Each documents of a crop category contains data on one or more crops that belong to the crop category. Starting point for the selection of a crop is the Dutch CVB-table (in appendix I of Vellinga *et al.*, 2012). A crop is selected if the crop product or one or more by-product(s) of industrial processing of this crop is listed in the Dutch CVB-table and does not belong to one of the other categories in the EU feed catalogue.

Seven crop categories are distinguished, and for each of this a separate document exists:

1. Cereal grains (barley, corn, oats, rye, wheat and others)
2. Oil seeds and oil fruits (coconut, linseed, oil palm, soybeans and others)
3. Legumes (beans, lentils, lupine, Lucerne and peas)
4. Roots and tubers (cassava, potatoes, beets and others)
5. Other seeds and fruits (buckwheat, canary seed, citrus fruits)
6. Forage and roughage (grass, clover, maize and others)
7. Other plants (sugar cane)

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 (Van Zeist *et al.*, 2012).

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.

Van Zeist *et al.* (2012) Background data documents on industrial processing. 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 Netherland