

# KDV Raw Materials List



# Contents

<b>1.</b>	<b>Introduction</b>	3
<b>2.</b>	<b>Application</b>	3
	2.1 Assessment criteria	3
	2.2 Compound feed	3
	2.3 Animal categories	3
	2.4 Monitoring and certification	4
	2.5 New raw materials	4
<b>3.</b>	<b>Raw Materials List</b>	5



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## Introduction

As of 1 January 2018, the KDV Raw Materials List is applicable to all Sustainable Pork Value Chain participants (KDV). KDV is committed to transparency towards buyers in the Netherlands and abroad. By using a KDV Raw Materials List to exclude high-risk raw materials, we can ensure transparency and safety for all the buyers who rely on KDV.



## Application

### 2.1 Assessment criteria

The raw materials on the KDV Raw Materials List have been assessed according to 6 criteria:

1. **Marketing**  
Added value of the end product and transparency towards purchaser/end user.
2. **Animal health**  
To ensure pork with an antibiotic-free life guarantee, it is vital to help the animals stay healthy. Raw materials that are safe and taste good are an important part of that.
3. **Digestibility**  
If the nutrients are guaranteed to be easy for the pigs to digest, feed utilisation and overall efficiency will also be improved. As a result, less nitrogen, phosphate, copper and zinc will be delivered to the farms.
4. **Constant quality, predictability and availability**  
Ideally, the composition of the animal feed should be kept as stable as possible. To make that possible, the raw materials need to be available in steady supply, rather than constantly adjusting the composition based on analysis of deviating raw materials.
5. **Food safety / GMP+**  
Raw materials need to meet the standards of GMP+. Products may be excluded based on the process steps and additives.
6. **Sustainability**  
Raw materials should contribute to a sustainable value chain.

### 2.2 Compound feed

The KDV Raw Materials List has initially been introduced only for compound feed. Liquid feed has not yet been included in the KDV Raw Materials List.

### 2.3 Animal categories

The KDV Raw Materials List applies to both sow farmers and meat pig farmers who are participating in KDV.

The KDV Raw Materials List is used for pig feeds fed to piglets from 12 kg and up, breeding sows, pregnant sows, lactating sows and all meat pigs.

## 2.4 Monitoring and certification

Participation in the KDV Raw Materials List will be ensured by means of the KDV statement from the feed supplier, which will be requested annually by De Hoeve Certificering from the compound feed supplier.

With a view to verifiability and transparency, the raw materials listed on the label at the pig farm should be included on the KDV Raw Materials List. This may be checked during the annual KDV audit of the pig farm, or via random checks by requesting the labels/feed slips from the farmer.

## 2.5 New raw materials

New raw materials can be submitted to KDV by email via [info@dehoevebv.nl](mailto:info@dehoevebv.nl). New suggestions will be discussed and assessed. If the requested raw materials are added to the KDV Raw Materials List, the list will be updated and communicated via [www.sustainable-pork.com](http://www.sustainable-pork.com).

# 3

## Raw Materials List

### 01 Cereal grains, products and by-products

01.01.01	Barley
01.01.02	Extruded barley
01.02.01	Wheat
01.02.02	Wheat feed / wheat shorts / wheat bran
01.02.03	Wheat gluten (raw protein > 70%)
01.02.04	Extruded wheat
01.02.05	Wheat feed flour
01.03.01	Maize
01.03.02	Extruded maize
01.03.03	CCM
01.03.04	Maize gluten (raw protein > 60%)
01.03.05	Maize feed flour
01.04.01	Oats
01.04.02	Rolled oats (raw cellulose < 4%)
01.04.03	Oatmeal
01.04.04	Oat husks
01.05.01	Triticale (meat pigs only)
01.06.01	Rye (meat pigs only)
01.07.01	Rice
01.07.02	Rice meal

### 02 Oil plants, products and by-products

02.01.01	Linseed or linseed in carrier
02.01.02	Linseed meal
02.02.01	Palm kernel meal
02.02.02	Palm (kernel) oil/fatty acids
02.02.03	Coconut oil/fatty acids, palm kernel oil/fatty acids
02.03.01	Rapeseed forage
02.03.02	Rapeseed meal
02.03.03	Rapeseed oil/fatty acids
02.04.01	Soy oil/fatty acids, soy lecithin
02.04.02	Soybeans, roasted/extruded
02.04.03	Soybean hulls
02.04.04	Soy forage (raw protein > 42%)
02.04.05	Soy flakes
02.04.06	Soy concentrate / processed soybeans
02.05.01	Sunflower forage
02.05.02	Sunflower meal
02.05.03	Sunflower oil/fatty acids
02.05.04	sunflower shells

### 03 Tubers, roots and their products and by-products

03.01.01	Beet pulp
03.01.02	Beet molasses

03.01.03	Sugar/dextrose
03.02.01	Potato protein
03.03.01	Sugarcane molasses
03.04.01	Chicory pulp
03.05.01	Citrocol

## 04 Milk and dairy products

04.01.01	Powdered milk
04.01.02	Lactose
04.01.03	Powdered whey

## 05 Products and by-products from the bakery industry

05.01.01	Bread flour
05.01.02	Cookie flour
05.01.03	Sugar syrup

## 06 Fish and fish products

06.01.01	Fish-salmon oil
	Not for meat pigs over 12 weeks old
06.02.01	Fish meal
	Not for meat pigs over 12 weeks old
06.03.01	Insect oil

## 07 Products of animal origin

07.01.01	Animal proteins from poultry
07.02.01	Animal fats from pork

## 08 Minerals

08.01.01	Monocalcium phosphate
08.01.02	Dicalcium phosphate
08.02.01	Calcium carbonate (chalk)
08.02.02	Calcium chloride
08.03.01	Magnesium oxide
08.03.02	Magnesium sulphate
08.03.03	Magnesium acetate
08.03.04	Magnesium phosphate
08.04.01	Sodium bicarbonate
08.04.02	Sodium chloride
08.05.01	Clay minerals: e.g. sepiolite, bentonite.
	Total clay minerals max. 2%
08.06.01	Disodium phosphate anhydrate

## 09 Acids (and their salts)

09.01.01	Calcium formiate
09.02.01	Fumaric acid
09.03.01	Formic acid
09.04.01	Propionic acid
09.05.01	Citric acid
09.06.01	Sorbic acid
09.07.01	Lauric acid
09.07.02	Medium chain fatty acids (hexanoic acid; octanoic acid and decanoic acid; MCFA/ MCT C6, C8, C10.)
09.07.03	Butyric acid
09.08.01	Benzoic acid
09.09.01	Lactic acid
09.10.01	Acetic acid
09.11.01	Phosphoric acid

## 10 Forage plants and derivatives

10.01.01	Cellulose
10.01.02	Lucerne (alfafa)

## 11 Premix / vitamins / trace elements / additives / enzymes / amino acids

As permitted under EU law