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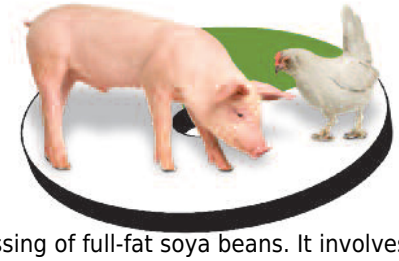

Covax Extru

Covax Extru is the result of the development and advanced optimisation in the processing of full-fat soya beans. It involves the full toasting and extrusion processing of pre-cleaned and finely granulated full-fat soya beans.

Extrusion is the latest and most advanced technology for pre-cooking of raw materials for both the food and animal feed industries. Due to a combination of temperature, friction and pressure, the extrusion process intensively changes cell structure, which results in a maximum protein and oil availability. Relatively high moisture contents are used in the extruder, which ensures an effective cooking effect. This makes it possible to fully eliminate anti-nutritional factors (ANFs) and bitter substances. The protein is not overheated either and, therefore, retains maximum digestibility. The intensive processing in the extruder damages the cell structure, considerably increasing the availability of the high-grade soya bean oil.

Covax Extru is very suitable for young animals such as piglets and broilers. Moreover the product is also being used for laying hens and as pet food ingredient.

Nutritional values

Dry matter	900 g/kg	Sodium	0.1 g/kg	Dv. MET (Swine)	4.3 g/kg
Crude protein	359 g/kg	Potassium	17.4 g/kg	Dv. MET + CYS (Swine)	7.9 g/kg
Crude fat	222 g/kg	Magnesium	3.3 g/kg	Dv. THR (Swine)	10.8 g/kg
Crude fiber	57 g/kg	Chloride	0.3 g/kg	Dv. TRP (Swine)	3.9 g/kg
Crude ashes	46 g/kg				
Starch	63 g/kg	Lysine	22.2 g/kg	Dv. LYS (Poultry)	18.9 g/kg
Sugar	76 g/kg	Methionine	5.0 g/kg	Dv. MET (Poultry)	4.2 g/kg
NSP	197 g/kg	Meth. + Cystine	10.4 g/kg	Dv. CYS (Poultry)	4.3 g/kg
linoleic acid	120 g/kg	Threonine	14.0 g/kg	Dv. THR (Poultry)	11.5 g/kg
ME Pig	18.20 MJ/kg	Tryptofane	4.7 g/kg	Dv. TRP (Poultry)	4.0 g/kg
				Version	V451-09
Calcium	2.0 g/kg			Date	12/04/2016
Phosphorus	5.2 g/kg	Dv. LYS (Swine)	18 g/kg		

The above items are average values. All values are calculated per kg of product.

Composition

Full-fat soya beans

Feed advice

Sows: 10-15% in the feed ration

Piglets: 7-15% in the feed ration

Poultry: Depending on species, age and final use: 5 - 20% in the feed ration.

Shelf life

Several months when stored dry.

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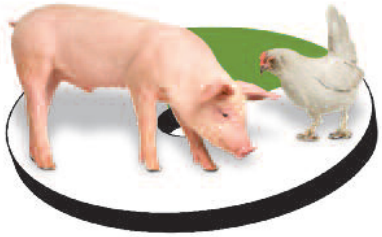

Benefits

Covax Extru offers the following decisive benefits because of the special processing:

- a maximum protein availability
- a maximum oil availability
- an oil digestibility of 91% (Schothorst 2011)
- a significant reduction of bitter substances improving considerable the tastiness of the **Covax Extru**
- an optimum reduction of the ANF in the full-fat soya beans

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