



Faba beans for weaned piglets – reduced diarrhea and improved productivity

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- Background – results from Medd. 2014

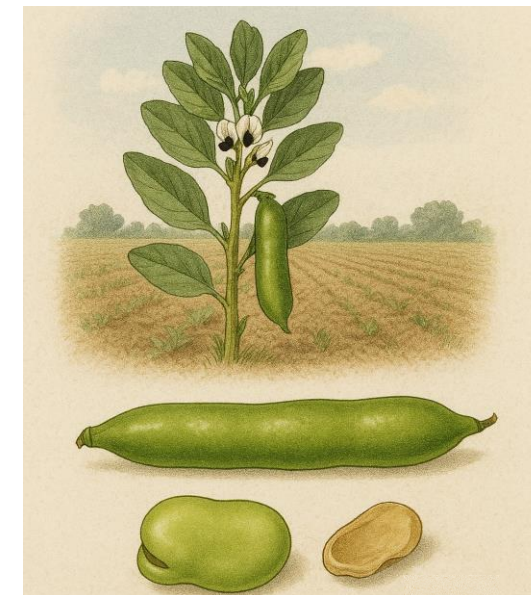
Tabel 2. Råvaresammensætning for kontrol og forsøgsblandinger fra 9-30 kg.

Gruppe	1. Kontrol	2. Columbo	3. Fuego	4. Espresso
Hvede	50,1	39,6	38,8	37,1
Vilosoy	4	4	4	4
Hestebønner	0	25	25	25
Kartoffelprotein	3	3	3	3
Byg	20	15	15	15
Palmeolie	2,1	3,16	3,0	3,7
Afsk. sojaskrå	15,9	5,3	6,2	7,2

Tabel 4. Dødelighed og antal behandlingsdage mod diarré for hver gruppe, værdier angivet som Least Squares Means.

Gruppe	1. Kontrol	2. Columbo	3. Fuego	4. Espresso
Diarré beh. total, dage	1320	1151	978	703
Diarré beh./gris, dage	2,74 ^a	2,27 ^{ab}	1,97 ^{ab}	1,49 ^b

^{ab} Resultater med forskelligt bogstav er signifikant forskellige (P<0,05).

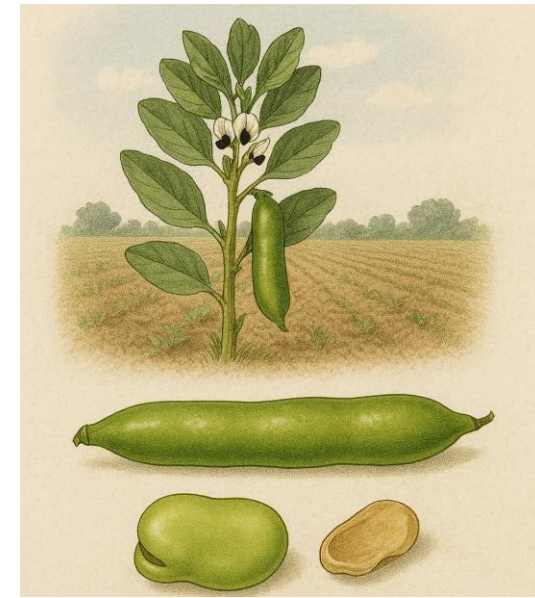


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- **Purpose**

- To investigate whether faba beans and their hulls can be used as an effective and low-cost intervention to reduce diarrhea in weaned piglets while maintaining or improving productivity.
- The purpose is achieved by investigating the effects of whole faba beans and their hulls on diarrhea and productivity in piglets from weaning to 30 kg.



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- Schedule
 - Sep.-Oct.: Harvesting and dehulling of faba beans
 - Nov.: Performance trial

Design

Group	1	2	3	4
Soybean meal	X			X
Faba beans incl. hulls		X		
Faba beans dehulled			X	
Faba beans hulls				X

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- What do DSM know about toxins in faba beans?
 - Levels of toxins?
 - Specific toxins?
 - The critical period – around flowering like cereals?
- Will the level of toxins be higher in the hulls compared with the dehulled faba beans?
- Analyses of toxins – intact faba bean, dehulled faba beans and hulls

Tak.