



Fibers for Life.



ARBOCEL®

- Control of body condition
- Better reproductive performance
- Better health status

Sow

ARBOCEL® Impact on Satiation and Reproductive Performance

ARBOCEL ADVANTAGES

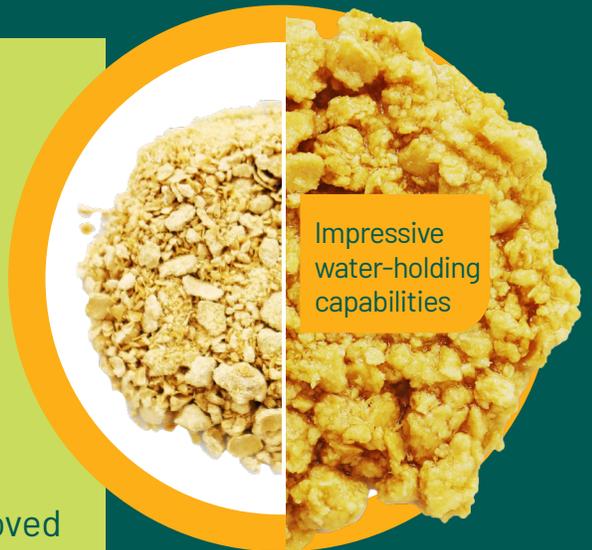
- Mycotoxin free
- 100% Insoluble fiber
- High water holding capacity
- 70% crude fiber content

CONVENTIONAL FIBER DISADVANTAGES

- High mycotoxin risk
- Soluble fiber
- Nutrient binding
- Crude fiber content ≈10%
- High plate count

Thin and long fiber particles hold water by capillary.

- + Satiation (important in gestating sow and gilt)
- + Impact on feces consistency and constipation
- + Higher water intake with impact on MMA
- + Reproductive performance improved



Impressive water-holding capabilities

ARBOCEL® EFC 1350 dry product

ARBOCEL® EFC 1350 product with water ratio 1:8



Sow

ARBOCEL® Impact on Satiation and Reproductive Performance

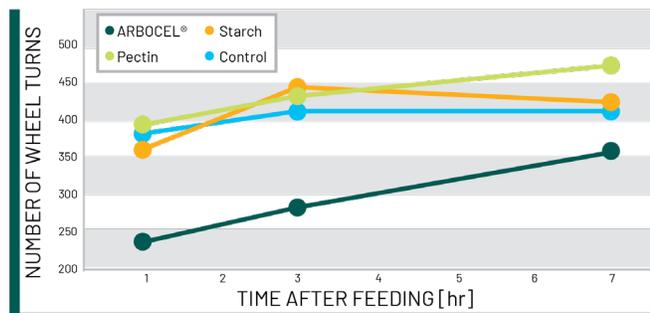
PRODUCT CHARACTERISTICS

- + Cellulose
- + No bark
- + Insoluble fiber
- + No risk of mycotoxins
- + High water holding capacity

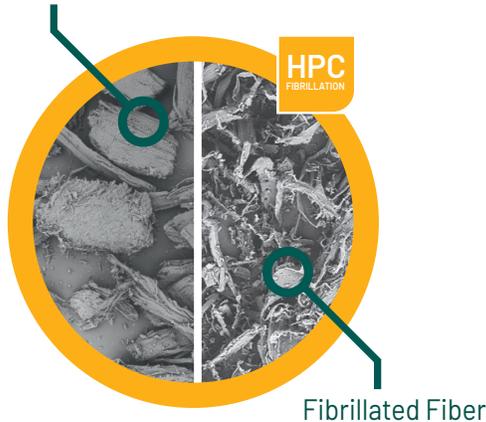
SATIATION EFFECT

- Reduced trips to feeding post
- Less feed motivation
- Significantly longer satiety effect

Wageningen University, The Netherlands, Carol Souza da Silva: Comparing various fiber sources impact on satiation of sows.



Non-fibrillated Fiber



Fibrillated Fiber

REPRODUCTIVE PERFORMANCE

- Increased water intake during lactation period
- Shorter birth intervals and easier farrowing duration
- More piglets with higher growth performance

IFIP trial station, France, Nathalie Quiniou: Impact of ARBOCEL® in gestation (2%) and lactation (1%) on sows performance and behavior starting on day 35 of gestation.

	Control	ARBOCEL®
Daily feed intake during lactation, kg/d	6.40	6.50
Daily water intake during lactation, kg/d	29.0	35.0
Number of piglets/litter	11.20	11.60
Piglet weight at birth	1.37	1.41
Litter average daily gain, kg/d	3.03	3.15
Farrowing duration, hr	3.00	2.00
Birth interval, min	13.10	10.30

HEALTH STATUS AND PERFORMANCE

- Improved health parameters in feces and PDS score
- Increased live births and weaned piglets
- Higher birth and weaned body weight of piglets

University of Thessaly, Greece, Papatsirot V.S. et. al.: Impact of ARBOCEL® on sows reproductive performance and piglet parameters.

Parameter	Control	ARBOCEL®	P-value
REPRODUCTIVE PARAMETERS (DAYS)			
Gestation length	114.92	116.56	<0.001
Duration of lactation	29.06	26.42	<0.001
Weaning to service	6.64	5.44	0.001
LITTER CHARACTERISTICS (PIGLETS)			
Total born	15.02	15.28	0.890
Stillborn	2.36	1.30	0.001
Liveborn	12.64	13.96	0.016
Dead piglets (crushing)	1.02	.02	0.001
Weaned	11.64	12.70	0.001
BW at weaning	7.18	7.59	>0.001