



ARBOCEL®

- > Weight control in Roosters
- > Better Fertility & Hatchability
- > Improved Performance

ARBOCEL®

Broiler Breeder

Impact of ARBOCEL® on Pullet Management and Laying Performance

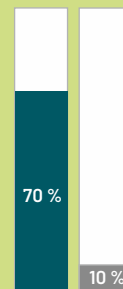
Mode of Action of ARBOCEL®

Insoluble fiber ARBOCEL® prolongs the time of feed in the gizzard and optimizes the intestinal transit.

- > Increase feed clean-up time
 - » Sign of satiation
- > Better weight management
- > Better intestinal health

ARBOCEL® Advantages

- > Highest purity
- > Standardized composition
- > Constantly high quality
- > 70 % crude fiber content
- 100 % insoluble fiber



Conventional crude fibers disadvantages

- > High mycotoxin contamination
- > High plate count
- > Soluble fibers
- > Nutrient binding
- > approx. 10 % crude fiber content only!

Fig. 1 Highest crude fiber concentrate, 100 % insoluble fiber

Product Characteristics

- > Lignocellulose from untreated spruce wood
- > No bark
- > Insoluble fiber
- > No Mycotoxins risk
- > High water holding capacity

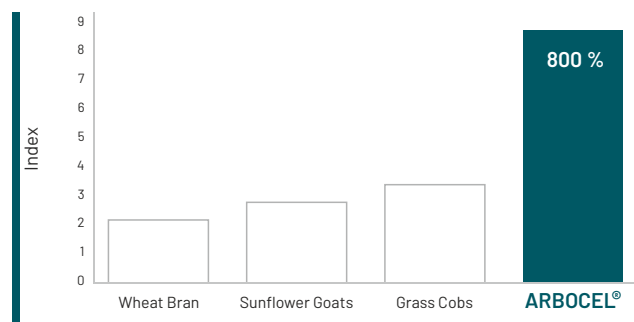


Fig. 2 Excellent water holding capacity 1:8

Weight Control in Roosters

Farm trial Brazil

- › Trial period: week 5 to 20
- › ARBOCEL® was used to replace Wheat bran (0.8 % ARBOCEL®)
 - Feed clean up time increased >20 % in week 15
 - Carry-Over effect increased later laying performance at the same feed
 - Weight control in roosters (Figure 3)

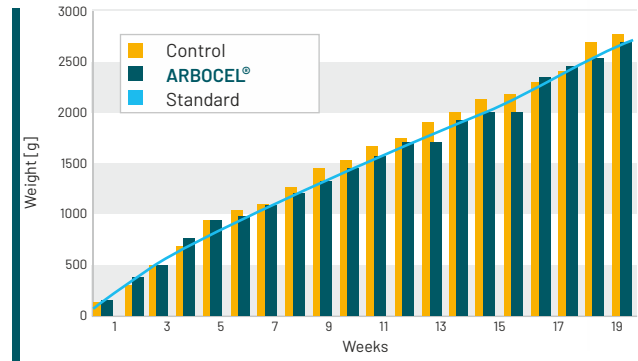


Fig. 3 Results of Farm Trial Brazil: Influence of ARBOCEL® on weight development of the Roosters

Improved Performance

University of Tehran, Iran Poultry Science 91: 3097-3106

- › Trial period: week 44 to 55
- › ARBOCEL® was used to replace wheat bran
 - Significant better post-peak egg production
 - Result depends insoluble fiber
 - Improves FCR

Fiber Source	Egg Production [%]	Egg Weight [%]	FCR [%]
Control	56.9 ^b	69.9	4.73
Inulin	59.8 ^{ab}	69.2	4.36
ARBOCEL®	62.9 ^a	69.2	4.19
SEM	1.65	0.39	0.20

Fig. 4 Results of University of Tehran: Influence of ARBOCEL® on performance in Broiler Breeders

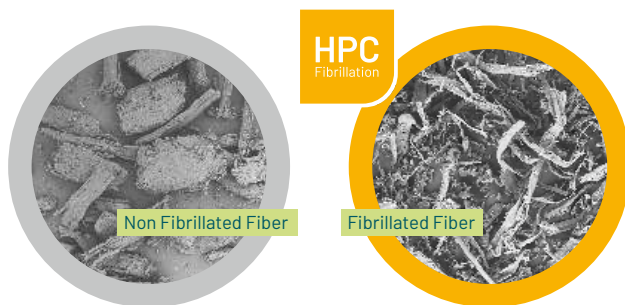
Better Fertility & Hatchability

University of Sao Paulo, Brazil

- › Trial period: week 22 to 62
- › ARBOCEL® was used to replace wheat bran
 - Significant increase of hatchability and fertility
 - Better fertile hatchability

ARBOCEL® [%]	0	1.5
Fertility [%]	92.42 ^b	98.92 ^a
Hatchability [%]	82.38 ^b	91.26 ^a
Fertile Hatchability [%]	89.06 ^b	93.27 ^a

Fig. 5 Results of University Sao Paulo, Brazil: Influence of ARBOCEL® on fertility and hatchability



Disclaimer

The above mentioned information is based on our practical knowledge and experience and is meant to be helpful when using our products. Due to the different materials and processes involved, we recommend in any case, adequate testing at your company and/or consultation with us. We cannot be held liable for this information. Please consider country-specific regulations for livestock applications.

Contact us

www.crudefiberconcentrate.com

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