



Laboratory Animal Bedding



Corn Cob Product Information

Corn cob consists of parts with different characteristics, namely - fine chaff, coarse chaff and wooden ring, which have various applications.

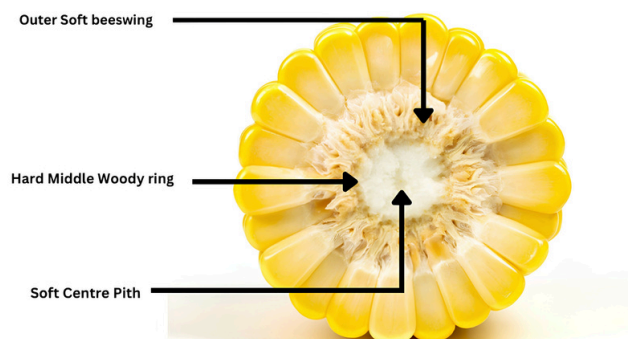
Each part of the cob varies in its degree of fibrousness, absorbency and hardness.

Corn Cob's are milled and dried using a unique technique.

The product is precisely screened and thoroughly air-washed for uniform quality and size, in line with Global laboratory standards.

Product Characteristics

- Absorbent - holding up to four times its weight of fluid
- Available in various uniform sizes
- Tough resilient & durable
- Non-toxic
- Inert
- Biodegradable



In addition, Corn Cob bedding is low dust, which is a big advantage to customers using Individually Ventilated Cages (IVC's) and isolators, where HEPA filters often get clogged by conventional bedding. Corn Cob is also more densely packed, meaning that more cages can be filled from a single bag and the bags last longer.

Using Corn Cob bedding, rodent cages can be changed as infrequently as every 2

Week, as the cage remains dry and clean longer and labour is reduced as corn Cob bedding rarely gets wet or sticks to the cage requiring scrubbing or soaking.

Product Specifications

Clean, dry corn cobs, are precision ground to retain only the material from the woody ring of the cob. The cobs are heat treated to achieve moisture content not Greater than 9% and to control any pathogenic bacteria. Typical final moisture after milling is 6% +/- 2%.

The corn cob bedding products are available in a variety of particle sizes such as 1/8", 1/6" and 1/4" and a blend of all.

Due to the wide variety of applications, corn cob is available in either polywoven bags for immediate use or in special 3-layer paper bags, suitable for autoclaving.

The Corn Cob bedding comes in 20 & 25 Kg bags, but larger and smaller packaging is available, depending on quantity ordered.

The corn cob bedding product is bagged immediately after manufacture and stored in vermin-proof, clean and dry storage facilities to ensure quality.

The corn cob bedding product is shipped on clean stretch-wrapped pallets to ensure product protection

Storage conditions- Store in dry place **Temperature and Humidity**

The temperature and humidity of the warehouse is monitored to ensure that Products are not compromised.



Quality Control and Quality Assurance

Product—The Corn Cob used in Corn Cob's is 100% corn cob. No other components or additives are used.

Corn Cob's are produced from the woody-ring portion of the corn cob and the Pelleted corn cob is produced from the pith and chaff (beeswing) portions.

Processing - As the corn cobs are introduced into the mill they pass through a hammer mill machine that produces corn cob fractions. The corn cob fractions are then heat-dried, using a rotary dryer system. The Corn Cob is heated from 60°C, over 15 minutes, up to 95°C, where it stays for 2-3 minutes. An aspiration process separates the woody ring portion of the corn cob from the pith and chaff portions.

The particles are then sized and separated through a series of screens to ensure conformity in size and to U.S. standards. The pith and chaff portions are processed through a pellet mill to produce the Pelleted corn cob product.

Product Analysis – The final product is monitored for several criteria, including

Average particle size, absorption rates and contamination (see below):

TEST	TEST	TEST
Arsenic	Heptachlor-epoxide	Parathion-ethyl
Cadmium	Gamma-HCH (Lindane)	2-chlorobiphenyl
Mercury	Dieldrin	2,3-Dichlorobiphenyl
Lead	O,P-DDT	2,2',3,3',4,4',6-Heptachlorobiphenyl
Selenium	P,P-DDT	2,2',4,4',5,6-Hexachlorobiphenyl
Nickel	Aldrin	2,2',3,3',4,5',6,6'-Octachlorobiphenyl
Aflatoxin B1	Cis-Chlordane	2,2',3',4,6-Pentachlorobiphenyl
Aflatoxin B2	Trans-chlordane	2,2',4,4'-Tetrachlorobiphenyl
Aflatoxin G1	Chlorpyrifos	2,4,5-Trichlorobiphenyl
Aflatoxin G2	Malathion	Aerobic Plate Count

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