

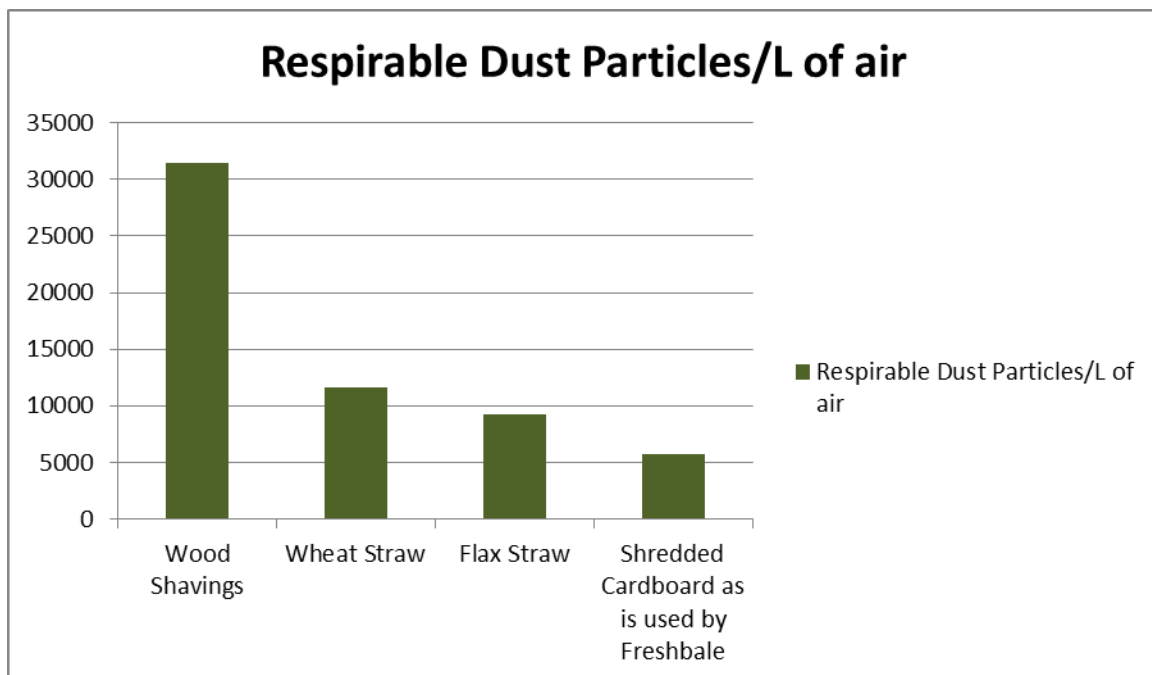
The information in tables 1 and 2 is taken from *The Veterinary Journal* from May 2002 which is itself taken from a study done at the Laboratory for Functional Investigation, University of Liege and the Centre for Equine Studies, Animal Health Trust, Newmarket. The study looked at six horses suffering from heaves and charted their states using different bedding materials. The test conclusions show a marked difference in the numbers of unwanted dust and microscopic bacterial entities present in four different types of horse bedding. Essentially, the study shows the benefits of cardboard bedding for you and your horse's health.

**Table 1**

Respirable dust particles per litre of air and concentration of viable spores of *Aspergillus famigustus*, *Faenia rectivirgula* and *Thermoactinomyces vulgaris* in shredded cardboard bedding in comparison to values for other forms of bedding (the latter taken from Vandenput *et al.*, 1997).

Data are presented as mean  $\pm$  standard deviation.<sup>1</sup>

	Respirable Dust Particles/L of air
Wood shavings	31492 $\pm$ 12910 <sup>b</sup>
Wheat Straw	11571 $\pm$ 4897 <sup>c</sup>
Flax Straw	9251 $\pm$ 1776 <sup>c</sup>
Shredded Cardboard Such as is used by <b>Freshbale</b>	5670 $\pm$ 1597 <sup>a</sup>



(Above chart illustrates figure from charts without  $\pm$  standard deviation figure)

**Table 2**

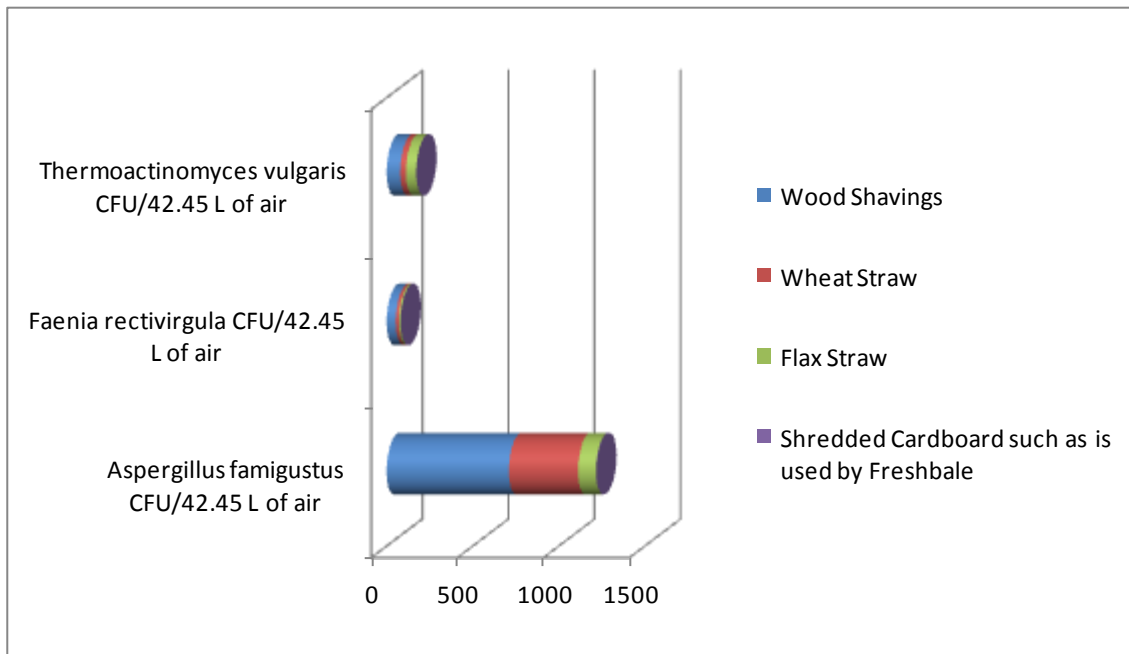
	<i>Aspergillus famigustus*</i>	<i>Faenia rectivirgula*</i>	<i>Thermoactinomyces vulgaris*</i>
Wood Shavings	710±124 <sup>b</sup>	53±29 <sup>b</sup>	79±59 <sup>b</sup>
Wheat Straw	402±214 <sup>b</sup>	18±17 <sup>bc</sup>	33±17 <sup>c</sup>
Flax Straw	104±23 <sup>c</sup>	10±9 <sup>c</sup>	60±13 <sup>b</sup>
Shredded Cardboard	1.1±1.9 <sup>a</sup>	0±0 <sup>a</sup>	0.1±0.4 <sup>a</sup>

such as is used by

**Freshbale**

\* CFU/42.45 L of air

<sup>a, b, c</sup> Values with no common designations are significantly different (Mann-Whitney test, P < 0.05).<sup>ii</sup>



**(Above chart illustrates figure from charts without ± standard deviation figure)**

Shredded Cardboard, as is clearly shown in this study, has considerably less dust particles and spores per litre of air than other popular choices for horse bedding. As *The Veterinary Journal* states:

Cardboard bedding was found to have significantly less respirable particles and spores of the measured aeroallergens than the bedding materials previously examined (Table I) (Vandenput *et al.*, 1997) The difference between cardboard and wood shavings, which is the most commonly used minimum-dust regimen bedding, was striking.<sup>iii</sup>

As well as being good for horse's with Heaves and for preventing Heaves **Freshbale** is also beneficial for horses suffering with Laminitis as the natural springiness of cardboard bedding allows for better support of affected horses and ponies.

In a nutshell, dust extracted animal bedding is consistently shown to be essentially dust free which is not only good for your horse's health but is good for your health too!

<sup>i</sup> Kirschvink *et al* 'The Use of Cardboard Bedding Material as Part of an Environmental Control Regime for Heaves-affected Horses: In Vitro Assessment of Airborne Dust and Aeroallergen Concentration and In Vivo Effects on Lung Function', in *The Veterinary Journal*, Vol., 163, No. 3, (May 2002), p. 322.

<sup>ii</sup> *Idem.*

<sup>iii</sup> *Ibid.* p. 323.