

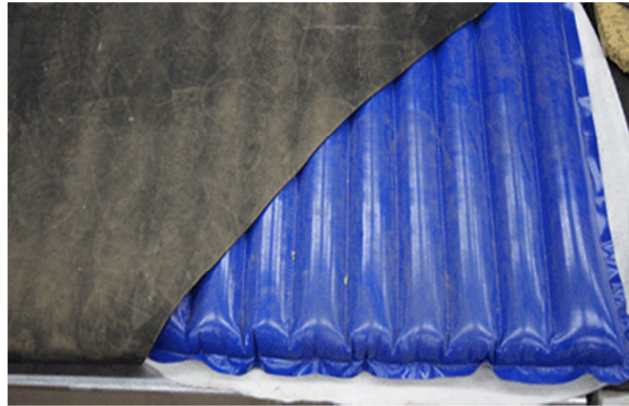


# Pasture Gel Mat™



In 1995, Wilson Agriculture introduced the rubber crumb filled Pasture mat® mattress to the UK and Europe. This has proceeded to revolutionise the cow industry, and in conjunction with the Comfort Zone™ we are leaders in the field of cow comfort.

Worldwide there are now over 3 million mattresses in 43 countries. Now, after 18 years of improving cow health and dramatically increasing milk production we are introducing the Gel Mattress.



The gel mat consist of two main components:

- The Gel mat which simulates the softness of the pasture, and
- The rubber impregnated top cover which spans an entire row of stalls.



**The gel mat solves two major problematic areas of cow comfort:**

The impact on the cow joints when the cow lays down, and the pressure points strain she has while laying down. When a cow lays down, she free falls around 12 cm. This means significant weight hits the surface, which can cause damage to the cows limbs.

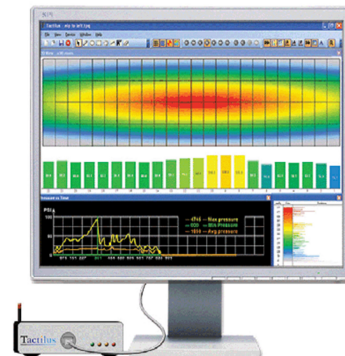
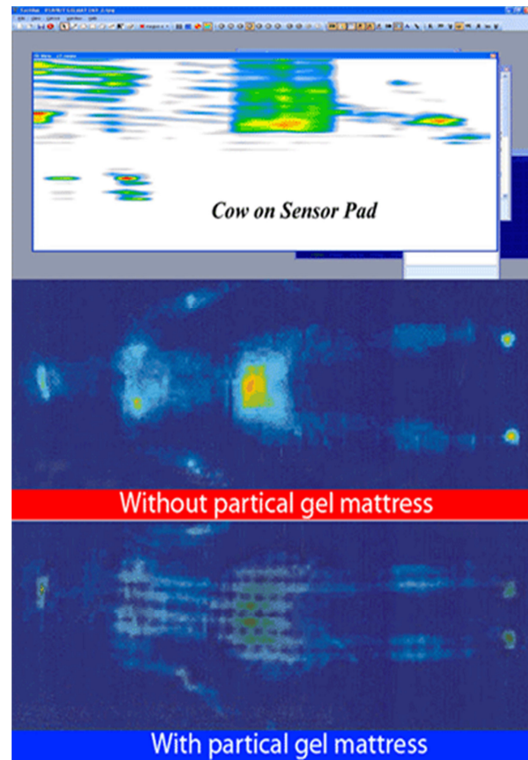
When a cow is laying down on a hard surface, there is extreme pressure where the cow and the surface meet. With the Pasture Gel Mat, there is superior shock absorption. This reduces the impact on the cow joints and relieves the strain it has while laying down.

Because of this, cows will have a longer laying time and will be more healthy, also increasing milk production. The Pasture gel mat was designed to stay soft for many years, because it is a gel mat. This means less bedding and more comfortable cows.

## TESTING: Tactile surface pressure and force sensor technology

We are using this technology to study how cows lay down on a surface. It shows us that when a cow is laying down on the Pasture GEL Mat her pressure points are relieved. The GEL Mat forms around EVERY cow so she has maximum comfort. It also helps maintain good blood flow. This is the same technology used in hospitals.

The sensors are thin film elements that reveal actual contact (interfacial) pressure and distribution between any two mating or impacting surfaces.



The Gel mat has been aggressively tested to ensure that it lasts. A specialist, steel hoof impact tester has cycled well over 100,000 times. Even with the weight of a tractor it survived testing.

Other products are not one piece and therefore create ideal places for bacteria to thrive. Also, because it is gel, it will settle back to it's original position. This means no holes or puddles where urine and manure can settle.



The rubberised top cover makes stalls easier to clean and more hygienic. With less bedding and a seamless rubber top, cleaning time is cut down drastically. The top cover stretches the entire row of stalls, creating a uniformed surface. and making it easy to clean.



Great for New or Renovations for ANY size dairy

The Gel Mats lead to a great return on investment, less labour, less bedding material and more milk produced from increased lay times.

### Shipping and delivery

Another great feature of this product is its weight. This product takes up 90 percent less storage then our rubber crumb Pasture Mat mattresses. The mats are shipped empty and are filled on site with the gel. We have also created custom tools that make the installation easier.



Wilson Agriculture

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