

COMPOSTING BARNs

Offering sustainable solutions for local farmers

Here at **Goodwood Woodwaste Solutions**, we champion the recycling, reuse and repurposing of woodwaste collected from around the region. We have a strong focus on Sustainability and through buying our products, clients can be sure that they are choosing an eco-friendly and sustainable solution.

Goodwood Animal Bedding offers local farmers a top quality product that they can be sure is a clean and sustainable option for their farm, ensuring the health and comfort of their herds and calves.

COMPOST BARN SOLUTIONS FOR YOUR FARM

As the next evolution in Dairy Shelters, Compost Barns offer a range of benefits for Farmers and their stock. These soft floor barns provide a clean and warm area for herds to shelter, and when managed appropriately they can provide many other benefits including:

The woodchip base layer absorbs and drains the effluent excreted creating an '**induced vacuum**', keeping the bedding dry and the herd comfortable & happy.



With regular rotation of the bedding, Farmers effectively redistribute the foreign matter, encouraging the microbes (or 'good bugs') to grow thus helping the **composting** process along.



Once the bedding has composted down, it can be removed and used as a **fertiliser** that will break down quickly allowing nutrients to re-distribute back into the soil.



Some further decomposition may be required

A recent NZ based example¹ saw **milk solid production increase** from 380kg to 544kg per annum, from a herd that had moved from a typical grazing system to a part grazing/part shelter scenario.



Goodwood Pines Fines offer a soft yet supportive base for the cows in this Waikato based Composting barn, absorbing and drawing away moisture whilst generating a warm and comfortable surface to rest.

**Call us to discuss your
Composting Barn needs**

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let's do good with wood.

¹Woodford, Keith. "Composting Bars can be a dairy solution." Web Blog Post. Posts from Keith Woodford Wordpress, September 12, 2017

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Goodwood products for your Composting Barn

Goodwood recognises that each farm and each client will have their own goals to achieve for their composting barn. As such, we can offer a range of raw materials that can be blended to deliver the best woodchip layer for your shed.

Premium Animal Bedding

Product make-up:

Untreated, recycled kiln dried blockwood

Size specification:

15-55mm



Pine Fines

Product make-up:

Untreated, recycled kiln dried blockwood

Size specification:

10-75mm - can be graded according to your need



Raw Bark

Product make-up:

Stripped, ground Pinus Radiata bark

Size specification:

10-50mm - can be graded according to your need



The measure of success

There are a number of factors to consider when measuring the success of a composting barn, a key one of which is the **Carbon/Nitrogen Ratio** or 'C/N Ratio'. The C/N Ratio measures the availability of both Carbon and Nitrogen and can be used to measure the effectiveness of that material, based on your desired outcomes.

For Compost, a C/N Ratio of 1:30² is ideal - this providing a mutually beneficial balance of the carbon and nitrogen components, allowing the material to decompose at a steady rate.

Goodwood C/N Ratio - an example

Recent testing on a **Goodwood** Animal Bedding blend, supplied to a Waikato based composting barn delivered a **C/N ratio of 1:27³** after 12 months in-situ.

Our client has been really pleased with the results, and had recently ordered further top-ups for his barns.

"I would highly recommend the team at Goodwood. We had to fill our composting barn and found their price to be very good, but more importantly was their willingness to work with us to find the ideal product for our situation. They would come out and see the woodchip after delivery and make sure it was of the standard we required. I won't hesitate to use them in the future."

Richard, Dairy Farmer and Client - Waikato

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²Hills Laboratories, Technical Note 'Guidelines for interpreting your compost' Version 5.

³Hills Laboratories, 'Certificate of Analysis - Sample, Compost:General'. January 2022