

28 April 2025

PILOT PRODUCTION OF WOOL/NULLARBOR BLANKETS COMPLETED BY WAVERLEY MILLS

Highlights:

- **Successful pilot manufacture of an innovative wool and Nullarbor™ blended yarn to produce a number of blankets by Waverley Mills, Australia's premier woollen mill**
- **Highlights the Company's first pilot production of a finished consumer good using Nullarbor-20™ fibre**
- **Nanollose provided 50kg of its proprietary Nullarbor-20™ fibre which was blended with Australian merino wool to create a yarn consisting of 30% Nullarbor-20 and 70% wool**
- **Nullarbor-20™ fibre was made by NC6's strategic partner, Birla Cellulose**
- **Manufacturing process resulted in the production of ~70 small blankets following seamless integration into Waverley's existing manufacturing facilities**
- **Marks the first time Nullarbor has been blended with a premium fibre, validating its potential and providing another business development tool for other potential partners**

Leading biomaterials company Nanollose Limited (ASX: NC6) ("Nanollose" or the "Company") is pleased to report the successful pilot production of approximately 70 small blankets incorporating Nullarbor-20™ fibre as part of a collaboration with Waverley Mills Pty Ltd ("Waverley"), Australia's premier woollen mill.

Nanollose provided 50kg of its proprietary Nullarbor-20 fibre to the project, made by strategic partner Birla Cellulose. Waverley then blended the Nullarbor-20 with Australian merino wool to generate a yarn consisting of 30% Nullarbor-20 and 70% wool. Waverley then undertook the dyeing and weaving of the yarn to produce the fabric and undertook the finishing to manufacture the blankets which measure 150cm x 110cm (refer image overleaf).

While Nullarbor has previously been blended with a variety of fibres, including cotton and polyester, this product represents the first time Nullarbor has been blended with wool. The result further demonstrates Nullarbor's versatility and its ability to blend with high value protein fibres such as wool, which are sought after by consumers.

In keeping with the Company's experience with other fibres, the process of blending Nullarbor with wool proceeded smoothly using existing equipment, demonstrating seamless integration into existing production facilities for more sustainable fabric solutions.

Waverley Mills (www.waverleymills.com) is a flagship Australian wool brand which has been crafting Australia's finest textiles in Tasmania for 150 years. It is the only mill of its kind in Australia that takes raw fibre and transforms it into finished goods entirely onsite.

Blending tradition with innovation, Waverley is dedicated to sustainability and circularity in the fabric supply chain – manufacturing principles which align closely with Nanollose’s sustainable fabric technology.



The blankets from this pilot production will primarily be used by Nanollose for business development and public relations activities.

Management commentary:

Executive Chairman Dr Wayne Best said: “We are delighted with the outcome of this project with Waverley Mills and the quality of the end product. It is fitting that our first pilot production of a finished consumer goods was achieved in collaboration with Australia’s leading woollen mill. This has led to a unique blend of traditional merino wool with Nanollose’s state of the art Nullarbor fibre. The outcome demonstrates the considerable versatility of our Nullarbor fibres within the textile industry, as well as its seamless fit with existing manufacturing facilities, while also expanding the potential commercial applications. We look forward to providing more updates as our existing developments with both domestic and international partners continue to advance.”

Executive Chair, Waverley Mills, Fran Maiale said: “As Australia's only fully operational woollen mill, we take pride in leading the way in sustainable textile innovation. Our recycling process enables us to blend wool with other natural fibres. Once spun, the yarn is dyed, woven, and finished entirely on-site in Launceston, Tasmania. The Waverley Mills team has successfully collaborated with the Nanollose team to blend Nullarbor yarn with 100% virgin wool, resulting in the production of these innovative blankets.”

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AUTHORITY AND CONTACT DETAILS

This announcement has been authorised by the Board of Directors of Nanollose.

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ABOUT NANOLLOSE

Nanollose Limited (ASX: NC6) is a leading biomaterials company commercialising scalable technology to create fibres, fabrics and other novel materials with minimal environmental impact. Nanollose's, eco-friendly fermentation process can use agricultural waste and by-products to produce cellulose, a versatile raw material traditionally produced from trees via the wood pulping process. The company then uses this 'Tree-Free' cellulose as an input for its range of innovative biomaterials including its Nullarbor™ fibres, Biollose™ horticultural medium, and its emerging animal-free and plastic-free leather-like materials.

Nanollose filed a joint patent application with strategic partner, Birla Cellulose, for its high tenacity, Tree-Free Nullarbor lyocell fibre in 2021. Work has now moved out of the laboratory and into Birla Cellulose's pilot production facilities in India where we have completed three successful pilot production runs to date totalling over a tonne of fibre, 800kg of Nullarbor-20™, 150kg of Nullarbor-30™, and 100kg of Nufolium-20™. Quantities of these fibres have since been sent to several collaborators and been converted into yarns, fabrics, and garments for testing and evaluation, prior to potential uptake by partners.

Nanollose Investor Hub:

We invite you to use our Investor Hub for any questions about this announcement or other matters regarding Nanollose. This forum offers an opportunity to submit questions, share comments, and view video summaries of key announcements.

To access the Nanollose investor hub go to <https://investorhub.nanollose.com/>