



# READY FOR TAKEOFF

After an extensive product development phase Graymont's new AeroLime™ product is ready for takeoff.

Graymont has spent almost two years in product development and product trials to bring AeroLime to the market.

Throughout a rigorously monitored process the overriding focus has been on the development of a product that meets the full agronomic expectations of Graymont's customers, as well as the safe flow rate requirements specified in the NZ Civil Aviation Authority's guideline<sup>1</sup>.

The CAA guideline safety recommendations state that the plane must be capable of discharging 80% of the aeroplane's maximum hopper load within 5 seconds of the pilot initiating the jettison action<sup>1</sup>.

Achieving this critical requirement has involved an extensive review of the overall production process used for AeroLime. This has resulted in an end product with a unique particle size distribution curve.

Note: Graymont AeroLime and groundspread AgLime are different products and should never be mixed for aircraft safety reasons.

AeroLime is a minimum 92% calcium carbonate product manufactured through a specific crushing, screening and storage process. Extensive testing ensures that the product purity, particle size, moisture content and other factors consistently meet Graymont's exacting specifications. These strict manufacturing and storage processes maximize product flowability in accordance with the CAA guideline safety recommendations<sup>1</sup> while still allowing AeroLime to achieve agronomic performance expectations.

Leading top dressing company Super Air has played a major part in a product trialling process that has seen well over 700 tonnes of AeroLime spread to ensure that it meets all specified safety requirements and pre-load procedures. AeroLime has consistently met the flowability requirements throughout these trials.

Super Air Manager John Elliott commented, "Everything we do at Super Air starts and finishes with pilot safety so we have been really happy to be part of this process".

As part of Graymont's responsibilities as a manufacturer under the Health and Safety at Work Act 2015 (HSWA), they must also advise their supply chain partners of their shared responsibilities under the HSWA regarding the key hazards and mitigations in place with the handling of AeroLime.

This requirement is being fulfilled through a comprehensive communication strategy which will ensure that all partners in the supply chain – transport companies, drivers, farmers, airstrip owners and pilots – are fully aware of the appropriate considerations that should be taken into account throughout the handling and storage of AeroLime to ensure that it is maintained in a dry and free-flowing condition while in their care.

With NZ Beef and Lamb predicting 2018-19 lamb and beef exports to both break \$3 billion for the second time<sup>2</sup>, the launch of AeroLime is timely for hill country farmers, particularly given the wide range of benefits that low rate liming can deliver over time for this sector<sup>3</sup>. Trials have shown that these include: increased pasture production, less pasture litter, increased worm activity<sup>4</sup>, improved wool production, and faster lamb growth.

Graymont is committed to manufacturing AeroLime to a high standard. Farmers should contact their usual approved transporters and contractors to order.

**For further information Freephone 0800 245 463 or visit [www.onlime.co.nz](http://www.onlime.co.nz)**

1. Safety Guideline – Farm Airstrips and Associated Fertiliser Cartage, Storage and Application. Jointly published by the Civil Aviation Authority and Department of Labour (2005).
2. 2018-19 lamb and beef exports forecast to both break \$3 billion for the second time (2018, September 14), NZ Beef + Lamb. Retrieved from <https://beeflambnz.com/news-views/lamb-and-beef-exports-forecast-both-break-3-billion-second-time>.
3. O'Connor, M.B.; Foskett, H.R.; Smith, A. 1981. The effect of low rate of lime on North Island hill country pasture and animal production and the economics of use. Proceedings of NZ Society of Animal Production 41:82-87.
4. Stockdill, S.M.J. 1966. The effect of earthworms on pastures. Department of Agriculture, Palmerston, Otago.

## HERE'S A REAL LIFT FOR HILL COUNTRY FARMING



### PUTTING YOU ON TARGET FOR BETTER PASTURE PERFORMANCE

Research shows that low rate liming of hill country can deliver significant benefits over time: increased pasture production, less pasture litter, increased worm activity, improved wool production PLUS faster lamb growth.\*

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\*Links to relevant research available on our website.