

## pasturezeal G2 or DAP?

When it comes to fertiliser, there are three nutrients that top the list of most farmers' needs – N, P and S. These three nutrients are almost always required in the highest quantities, while other nutrients – K, Mg, Ca and the trace elements – are usually needed in smaller amounts.

One option that is often used to supply N and P is the imported product, DAP (diammonium phosphate). This is a good solution if equal ratios of N to P are required, and if no S needs to be added.

In other circumstances, more product flexibility may be desired, and this is where **pasturezeal G2** products come into their own. These products have a range of N to P ratios, the greatest being 4:1 and the least being 0.7:1, with a number of options in between.

The **pasturezeal G2** range also supplies S, an important consideration for inland, sulphur-deficient parts of the country. S-boosted **pasturezeal G2** products contain elemental S, which is difficult to blend with DAP.

**pasturezeal G2** products also have the advantage of supplying Ca, which contributes to overall animal health. This element is not supplied if DAP is used.

## is coated urea as good as normal urea?

Urea has played a big part in New Zealand's agricultural industry in recent times, boosting production levels and assisting farming efficiencies. It is important that any change to urea does not negatively impact on the performance of urea once applied to the soil.

Independent research showed that the coated urea developed by Ballance has equivalent agronomic performance to standard urea. It does not volatilise at a lesser or greater rate, and it produces the same pasture response as standard urea. The only difference that farmers may notice is that the coating may remain on the surface after the urea has migrated into the soil.

# Immediate response, sustained growth

**An improved, more stable formulation, with excellent spreading and storage capabilities to lift pasture performance, and raise your production and profits to a new level.**

Strategic partner to:



www.ballance.co.nz  
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## the facts about pasturezeal G2

**pasturezeal G2** is a unique range of products specifically designed to deliver all of the major plant nutrients at once. The key to achieving this is Ballance's patented coated urea, which makes it possible to blend urea with superphosphate-based products, as well as sulphur and potash.

Made in New Zealand from high-quality raw materials sourced overseas, the **pasturezeal G2** range of products is suitable for the majority of farm types throughout the country. There are products for dairy and dry stock farmers, for those farming on specific soil types, and for boosting hay or silage crops.

Nearly all of the products in the **pasturezeal G2** range supply nitrogen (N), phosphorus (P), potassium (K), sulphur (S), magnesium (Mg) and calcium (Ca).

### on-farm benefits

The P in **pasturezeal G2** products is present mainly as water-soluble phosphate, with over 80 percent of the P being in this form. Water-soluble phosphate is immediately available for plant uptake, so **pasturezeal G2** products are ideal to use when you need to rapidly boost soil P levels, or when you want to be certain that plants have ready access to sufficient P to support their requirements.

Some **pasturezeal G2** products focus on delivering S, supplying this nutrient in both the readily plant-available sulphate form, and in the elemental form, which is slowly released through the growing season. Products containing elemental S are suitable for autumn application, since in this form the S is not vulnerable to loss by leaching.

Another benefit of using **pasturezeal G2** products is that they help add Ca to the soil. Although Ca deficiency in New Zealand soils is virtually unknown, adding Ca in **pasturezeal G2** products helps to offset losses that occur through leaching.

**pasturezeal G2** products contain a very small amount of residual acid, and are not suitable for drilling down the spout with seed. This residual acid does not itself contribute significantly to raising soil acidity, and it would only take 0.8 kg lime to neutralise the soil acidity resulting from the application of 1 kg P applied as **pasturezeal G2**.

### storage and spreading

**pasturezeal G2** products are designed as complete solutions for specific on-farm needs, and are not intended to be blended with other products, except trace elements.

All **pasturezeal G2** products are suitable for groundspread or aerial application.

To maintain product quality, **pasturezeal G2** products should be stored in cool, dry conditions, and should be used within two weeks of supply.

### specifications

There are a number of products in the **pasturezeal G2** range. The following specifications are intended only as a rough guide to the most common core characteristics of these products.

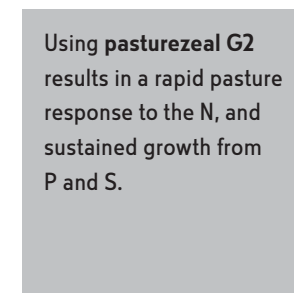
Bulk density	0.85 - 1.2 kg/l
Particle size range (P component only)	1-4 mm - at least 60 percent <0.5 mm - <5 percent
Crushing strength	2-5 kg
Moisture level	7 percent
Fluorine content	<270 g/kg P
Cadmium content	<280 mg/kg P
Biuret (N component only)	<1.25 percent

product range	N	P	K	S	Mg	Ca
pasturezeal G2 5K	9.5	5.9	5.0	6.9	1.2	15
pasturezeal G2 10K	7.6	5.5	10.0	6.4	1.0	14
pasturezeal G2 15K	7.6	4.6	15.0	5.3	1.0	12
pasturezeal G2 pumice	5.7	5.1	12.0	11.2	0.7	13
pasturezeal G2 peat	5.7	5.1	12.0	11.2	0.7	13
pasturezeal G2 impact	12.1	6.2	-	7.2	1.5	16
pasturezeal G2 equaliser	7.6	7.3	-	8.5	1.0	18
pasturezeal G2 boost	9.1	6.9	-	8.1	1.2	18
pasturezeal G2 balancer	6.6	6.2	7.0	7.3	0.8	16
pasturezeal G2 high S	7.6	5.3	7.5	13.5	1.0	13
pasturezeal G2						
hay & silage	11.4	2.8	20.0	3.2	1.4	8
pasturezeal G2 9S	5.7	7.7	-	9.0	0.7	19
pasturezeal G2 15S	9.5	6.2	-	15.1	1.2	16

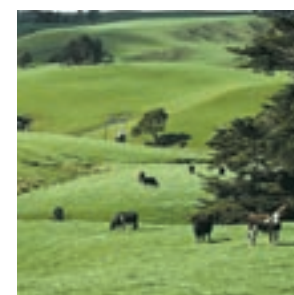
application guidelines	use	rate (kg/ha)
pasturezeal G2 10K	dairy, late spring	300-400 kg/ha
pasturezeal G2 impact	dairy spring or autumn sheep and beef	200-350 kg/ha
pasturezeal G2 boost	sheep and beef, spring maintenance	250-400 kg/ha
pasturezeal G2 balancer	dairy, spring maintenance where Mg is not required	300-500 kg/ha
pasturezeal G2 Hay and Silage	post-harvest	300-400 kg/ha
pasturezeal G2 15S	sheep and beef, spring or autumn maintenance	300-400 kg/ha



**pasturezeal G2** products are ideal for farmers who require all their nutrient needs delivered in a single blend.



Using **pasturezeal G2** results in a rapid pasture response to the N, and sustained growth from P and S.



**pasturezeal G2** products are ideal for use on hill country, where they help improve the quality and quantity of feed by supplying N, P and S.

With a commitment to sustainable farming practices, Ballance sponsors the BFEA to ensure future generations benefit from today's resources.

all you need  
to grow

