



WHAT DO YOUR SOILS NEED?

Only a regular routine of strategic nutrient analysis can tell you just what you're missing and how much you need to apply for optimum efficiency and yield.

Let Nutrient Advantage® lend a hand.

For over 50 years, our Nutrient Advantage service has been helping farmers gain a productivity edge through reliable soil and plant tissue testing, and expert, localised nutrient advice. Nutrient Advantage is helping Australian farmers and agronomists optimise nutrient use efficiency.

Why not give your farm the Nutrient Advantage edge?

Visit nutrientadvantage.com.au or phone 1800 803 453 to find out how we can help.



Ask the audience. They'll tell you the same thing.

What is a way to minimise the risk of clogging and blockages in your air-seeder when applying a starter fertiliser?

A: Sow extra slow

B: Keep a plunger handy

C: A home-made pipe cleaner

D: Use a high-quality fertiliser, Granulock®

GRANULOCK® 
BY INCITEC PIVOT FERTILISERS

LOCK IT IN

EVERY GRANULE DELIVERS MORE

- ✓ Strong start for newly sown crops
- ✓ Precise delivery of nutrients in every granule
- ✓ Zinc in maintenance levels supplied evenly to plants
- ✓ Two forms of sulphur for immediate and season-long uptake
- ✓ Flexibility to blend for soil-specific precision
- ✓ High quality and consistency you've come to expect from Granulock

For more information, contact your Incitec Pivot Fertilisers supplier, or visit incitecpivotfertilisers.com.au



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GRANULOCK® 
BY INCITEC PIVOT FERTILISERS

Some choices are easier than others, especially when you already know the tried-and-tested answer is **GRANULOCK®**

Granulock® Z

GETS ZINC TO EVERY PLANT

Give your crops a strong, precise start. Granulock Z is a compound fertiliser that delivers extra zinc with each nutrient contained within every granule.

Its precise uniformity of nutrient distribution ensures even supply of zinc to every plant, at planting. And it delivers the right combination of total nutrients to produce strong early root growth, vigorous establishment, healthy emergence and even crop growth.

THE RIGHT COMBINATION OF NUTRIENTS FOR:

- ✓ Strong early root growth
- ✓ Vigorous establishment
- ✓ Healthy emergence
- ✓ Even growth

How Granulock Z works

COMPOUND FERTILISER PRECISE NUTRITION IN EVERY GRANULE

Each plant is individually supplied with zinc as well as a precise mix of the other elements it needs.

TWO FORMS OF SULPHUR AVAILABLE ALL SEASON LONG

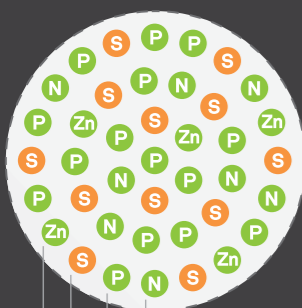
Each granule contains a mix of sulphate sulphur and very fine elemental sulphur. Sulphate sulphur is immediately available to young plants - while the fine nature of the elemental sulphur (90% <50um) facilitates oxidation to sulphate sulphur and sustained delivery throughout the growing season.

BLENDING FLEXIBILITY SOIL-SPECIFIC PRECISION V. ZINC SULFATE BLENDS

Granulock Z can be blended to create the exact nutrient ratios your soil test results indicate you need. Granulock Z blends can deliver a range of zinc analyses with good spatial distribution of this immobile nutrient compared to zinc sulphate blends.

RIGHT BALANCE OF NUTRIENTS FOR A STRONG, VIGOROUS START

Nitrogen	Phosphorus	Sulphur	Zinc
11.0%	21.8%	4.0%	1.0%



Nitrogen
Phosphorus
Sulphur
Zinc

Where to use Granulock Z

Granulock Z is particularly valuable for crop establishment in the following situations:

- On alkaline or calcareous soils
- When soils are wet and cold
- Where there is a reduced population of arbuscular mycorrhizae fungi (AMF) in the soil
- Where sulphonylurea herbicides are used
- On soils with a low total zinc status

How to apply Granulock Z

Granulock Z is best applied in a band with or close to seed at planting, where new roots can easily access the nutrients.

For more information on safe rates of fertilisers in contact with seed and seed-bed utilisation (SBU), visit www.incitepivotfertilisers.com.au

Using Granulock Z with flutriafol

Combining the precision of Granulock Z with flutriafol fungicide at sowing may help promote growth and protect against a complex of diseases in wheat, barley and canola. Granulock Z is available treated with flutriafol.¹

AGRONOMY ALERT: DO I NEED ZINC?

Based on cropping soil samples analysed by Nutrient Advantage Lab Services in 2016, around 8% of paddocks sampled from SA, Vic, NSW & Qld cropping regions fall in the likely to respond to zinc category with a DTPA Zn reading of <0.3 mg/kg. An additional 18% of samples fall in the marginal or possibly responsive range of 0.3 - 0.5 mg/kg.² While the commonly used zinc soil analysis (DTPA extraction) provides an "indication" of the likelihood of a zinc response, it is recommended that deficiency is verified using plant tissue analysis.

While zinc deficiency is usually associated with alkaline soils, a number of zinc deficient cropping paddocks have been identified in recent years on soils with an acidic reaction.

In most cases these paddocks had been limed more than once, had been continuously cropped for an extended period and often had windrow burning.

If you suspect that you have paddocks that fall into this category, consider a soil & plant tissue analysis program. In addition fertiliser test strips with products like Granulock Z or a foliar zinc product may help to assess the likelihood of a zinc response.

¹ See genfarm.com.au for more information on Flutriafol

² Source: Nutrient Advantage Laboratory Services, 2016

Image source: International Plant Nutrition Institute