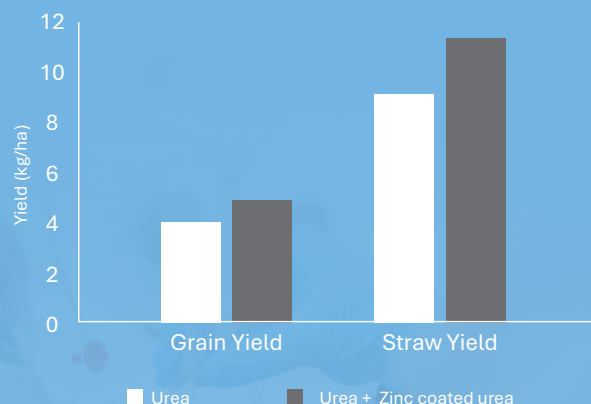


PRODUCT SPECIFICATIONS

Specifications for zinc coated urea are standard with BFI's granular urea fertiliser.

DESCRIPTION	SPECS	TYPICAL VALUE	UNIT
Biuret Content	≤ 1.0	0.78	wt. %
Total Nitrogen (Dry) Content	≥ 46.0	46.23	wt. %
Moisture Content	≤ 0.50	0.25	wt. %
Particle Size Distribution (between 2.0 mm – 4.5 mm)	≥ 90	97.91	%
Hardness (for 3.15 mm particle size)	≥ 3.0	4.4	kgf
Formaldehyde Content	≤ 0.55	0.45	wt. %
Ammonium Sulphate	≤ 0.41	0.17	wt. %

Improvement in Yields



Based on a 3-year field experiment on rice in India from 2009. Similar rate of normal urea and urea coated with zinc was applied at 120 kg N/ha.

APPLICABLE CROPS

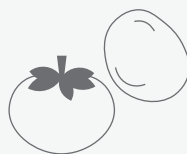
Micronutrient-coated urea fertilisers can benefit a wide range of crops, particularly those that are sensitive to nutrient deficiencies and have high nutrient demands during specific stages.



Cereals & grains
Wheat, rice, maize (corn)



Legumes
Soybeans, lentils, chickpeas



Vegetables
Tomatoes, potatoes



Fruits
Citrus, bananas, apples, grapes



Cash Crops
Sugarcane, cotton



Specialty Crops
Tea, coffee and spices

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Making A Difference,
With Bruneian Roots.



PRODUCT RANGE

MICRO- NUTRIENTS Zinc

KEY FEATURES

Targeted Nutrient Delivery

Delivers essential nutrients to crops at critical growth stages, optimising nutrient uptake compared to straight urea.

**Cost-Effective Solution**

Enhances nutrient efficiency, reducing overall fertiliser requirements and providing farmers with long-term savings.

**Precision-Friendly Approach**

Supports modern farming practices by enabling more efficient and targeted nutrient application for improved results.

**Reduced Nitrogen Losses**

Reduces nitrogen volatilisation, retaining more nutrients in the soil and improving nitrogen use efficiency (NUE) for better crop yields.

BENEFITS

Boosted Crop Productivity

Research shows that incorporating micronutrient-coated urea fertilisers can result in a 31% increase in maize yields and a 9.9% overall improvement in yields compared to straight urea, even in nutrient deficient soils¹.

Improved Root Growth

Stronger root systems, enabling plants to access water and nutrients more effectively.

Stress Tolerance

Improved plant resilience against environmental stressors like drought and poor soil conditions.

Enhanced Nutrient Efficiency and Sustainability

Improved nitrogen utilisation by minimising nutrient losses, ensuring optimal uptake for healthier, more productive crops, and reducing environmental impacts through more efficient fertiliser use.

¹Pooniya et al., 2019

MICRONUTRIENTS

Plants require essential mineral nutrients including boron, copper, iron, manganese, zinc, all of which are vital for human health.

5 B Boron	29 Cu Copper	26 Fe Iron	25 Mn Manganese	30 Zn Zinc
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Micronutrient malnutrition, affecting over one-third of the global population, is exacerbated by nutrient-poor soils and high dependence on staple crops.

1/3 of the global population is affected by micronutrient malnutrition.

49% of the world's soils is affected by zinc deficiency.

Zinc deficiency, for example, affects 49% of the world's soils, limiting crop yields and impacting human nutrition, particularly for children, adolescents, and pregnant women². Addressing these deficiencies through balanced fertilisation can significantly boost crop yields and improve farmers' returns, while enriching plants with essential micronutrients for better human nutrition.

BFI's urea fertiliser coated with micronutrients ensures precise nutrient delivery, following the "4R" principles to optimise productivity across diverse cropping systems. This approach not only supports sustainable farming but also contributes to food security and improved health outcomes.



Right source



Right rate



Right time



Right place

4R's of nutrient stewardship

Source: International Fertilizer Association (IFA)

²IPNI and IFA, 2012