

PRODUCT SPECIFICATIONS

Specifications for humic acid 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. %

APPLICABLE CROPS

Fertilisers coated with biostimulants can benefit a wide range of crops, particularly those that are nutrient-demanding, sensitive to environmental stress, or grown in nutrient-deficient soils. These include, but are not limited to:



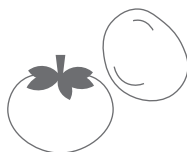
Cereals

Wheat, rice, maize (corn)



Legumes

Soybeans, lentils, chickpeas



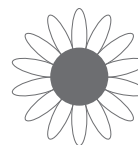
Vegetables

Tomatoes, potatoes, leafy greens



Fruits

Citrus, bananas, berries, grapes



Oilseed crops

Canola/rapeseed, sunflower



Specialty crops

Tea, coffee and spices



Cash crops

Sugarcane, cotton

CONTACT US

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GENERAL INQUIRIES

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Making A Difference,
With Bruneian Roots.



PRODUCT RANGE

BIO-STIMULANT Humic Acid

KEY FEATURES

Humic acids improve soil health and enhance plant growth by providing beneficial compounds that stimulate microbial activity. This promotes stronger, deeper root development, improving nutrient absorption and helping plants better withstand stress. As a result, farmers can expect to see healthier roots, greener leaves, faster growth, improved drought resistance, and higher yields.

BENEFITS

Enhanced Microbial Activity

Supports the growth of beneficial soil microorganisms, which can improve nutrient cycling and availability, leading to healthier plants and higher yields.

Higher Yields and Better Quality

Enhanced grain yield and crop quality through improved nutrient efficiency¹.

Insurance Against Abiotic Stress

Enhanced crop resilience, helping plants withstand and recover from stresses like drought, heat, and waterlogging, ensuring stable yields.

Long-Term Soil Health

Improved soil structure and fertility from a balanced microbial system, essential for maintaining long-term soil fertility².

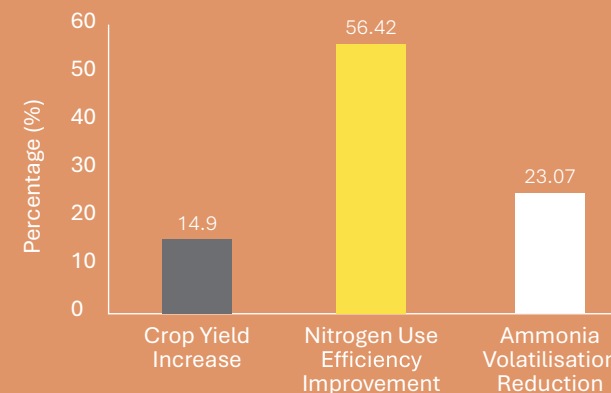
¹Gao et al., 2020

²Canellas et al., 2019

BIOSTIMULANTS

Modern agriculture faces challenges such as declining soil fertility, inefficient nutrient uptake, and increasing environmental stresses such as drought and extreme temperatures. Conventional fertilisers provide nutrients but may not fully support plants to use nutrients efficiently or cope with stress. Biostimulants such as humic acids offer a natural solution to support plants by boosting their growth processes.

Potential Effect of Humic Acid-Coated Urea on Crop Performance & Nitrogen Efficiency



Source: Kong et al., 2022

Based on 2-year field experiment on maize-wheat on cultivated soil in Shandong, China. Similar rate of normal urea and urea coated with humic acid was applied at 216 kg N hm⁻².