

Name of the Department: Department of Agriculture

Academic year: 2022-23

Name of the event: Use of Nano urea in field

Date: 22-September-2022

Venue: Gram Pradhan Rajau paraspur

Description: Use of Nano urea in field

Nano urea, a nanotechnology-derived form of urea, has gained significant attention in the agricultural sector due to its potential to revolutionize nutrient management in farming. This report explores the various applications and benefits of Nano urea in the field of agriculture.

•Improved Nutrient Efficiency:

Nano urea offers a more efficient nutrient delivery system, allowing for better absorption by plants. This leads to reduced nutrient wastage and improved crop yields.

•Environmental Benefits:

Compared to conventional urea, Nano urea has a lower risk of nutrient leaching and runoff, which can help reduce water pollution and its adverse effects on the environment.

•Controlled Release:

Nano urea can be engineered to release nutrients gradually, aligning nutrient supply with crop demand. This controlled release can enhance crop growth throughout the growing season.

•Potential for Precision Agriculture:

Nano urea can be integrated into precision agriculture practices, allowing for precise nutrient application based on real-time data, thus optimizing resource use.

Nano urea presents a promising alternative to traditional urea fertilizers with its potential to improve nutrient efficiency, reduce environmental impacts, and enhance crop productivity. Its adoption in agriculture can contribute to more sustainable and efficient farming practices, ultimately benefiting both farmers and the environment. Continued research and development in this field are going on.



Students in Use of Nano Urea in fields 22-09-2022



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