**Nano Urea**

Nano Urea, is a ground-breaking agricultural innovation. It is a remarkable nanotechnology-based agricultural input designed to provide nitrogen to our plants.

Nano urea is produced by our own Indian scientists for the benefit of the farmers; tested by our agriculture scientists at various places for its efficiency and is also tested for its safety. Based on these, nano urea is recognised as fertilizer by Government.

Nano Urea has very small size particles, compared to urea we use now, penetrates into plant tissues and provides nutrients efficiently than conventional urea. That’s the reason small quantities of nano urea are sufficient for taking care of nutrient requirement of the crops. Nano urea is convenient to carry too as it is available in 500 ml bottle. When applied as a foliar fertilizer, Nano Urea can boost crop productivity by as much as 8%. This increase in yield doesn't just benefit farmers but also contributes to better soil, air, and water quality.

**How to use Nano Urea?**

Mix 2-4 ml of Nano Urea (4% N) in one litre of water and spray it onto the crop leaves during their active growth stages. For the best results, apply two foliar sprays:

The first spray should be administered at the active tillering or branching stage, which occurs around 30-35 days after germination or 20-25 days after transplanting. The second spray should be carried out approximately 20-25 days after the first spray or before the flowering stage of the crop. To ensure uniform application on foliage, it is advised to use flat fan or cut nozzles for spraying. Optimal spraying times are during the morning or evening, avoiding dew on the leaves. In case of rain within 12 hours of Nano Urea spray, it is advisable to repeat the spray. Drone spray of nano urea is also being demonstrated.

There should be no hesitation in using nano urea as it is more efficient than conventional urea and offers the potential to enhance crop yields, reduce environmental impacts, and ultimately improve the livelihoods of farmers.