

From

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EDITORIAL

In a progress of developing nano urea liquid that has the capability to revolutionize the agriculture sector across the world by Indian Farmers Fertiliser Cooperative is a welcome step. The more important part of the story is that it was developed indigenously under the flagship initiative of *Atmanirbhar Bharat* through proprietary technology at IFFCO's Nano Biotechnology Research Centre in Kalol and is expected to replace the usage of urea granules, one of the most widely used fertilisers in farmlands across the world. Conventional granular urea with a high nitrogen content of 46 per cent is one of the most important nitrogenous fertilisers when compared to nano Urea which is a product of this century when a more synergy is needed at the *soil-water-palnt* continuum and it is the need of the hour to ensure the ecosystem services to perform at its maximum for the forthcoming generations while securing SDG 2 and SDG13. The product is also expected to increase the production of crops with improved nutritional quality compared to conventional urea with reduced size of 30 nanometre which paved way 10,000 times more surface area to volume size. It is expected that apart from enabling substantially, it will ensure increasing farmers' income by cutting down on input and storage cost. With this background, this cost-effective ultra-small input promises to provide a sustainable solution for plant nutrition in times to come.

Sincerely



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