Nano urea fast-tracked for approval despite incomplete trials

Three seasons of assessment by ICAR is required to approve a new fertilizer

and Fertiliser Cooperative ACOB KOSHY tised by the Central govern-(IFFCO) and heavily adver loped by the Indian Farmers Nano urea, a product deve-NEW DELHI

ment as a panacea to reduce

application. Normally, three tested despite having been aged urea, is yet to be fully seasons of independent asfast-tracked for commercial of urea, the most crucial that contains nanoparticles indigenously made liquid chemical fertilizer for farm-Nano urea is a patented and

sessment by the Indian

Council of Agricultural Re-

search (ICAR) is required for

compensate for a 45 kg sack

sukh Mandaviya has claimed

would be "self-sufficient" would together mean India as production of nano urea

plant growth

the reproductive phase of

could be replaced but not

icals and Fertilizers Mantionally rely on, it is claimed Minister of Health, Chem-

litre bottle of the liquid can

ers in India. A single half

its own cut farmers' depen this was reduced to two. Moapproving a new fertilizer, clear if the product can or reover scientists are still unbut in the case of nano urea

Crucial fertilizer

farmer dependence on pack-

of urea that farmers tradithat by 2025, India's domes-

tic urea production as wel

use at least two 45-kg sacks

ic compound and the crops' of urea, which is an inorgansplantation stage of the crop. the early sowing or tranfirst packet is applied during main source of nitrogen. The

the initial stages of crop development. • VIJAY SONEJI Rushed process: Despite nano urea, packaged urea is vital for The second stage applica

ported every year and would the 90 lakh tonnes that it im and would no longer require

save the country close to as wheat, rice, mustard is to the cultivation of crops such The standard practice in

tion is done when the plant has sprouted a canopy of leaves, and is approaching (second stage application) 50% of the top-dressed urea ments, it was evident that "Based on the experi-

> mercial use. The approva 2021, during Dr. Mohapatra's came through, in February a chemical fertilizer for com

chan Mohapatra, former Director General of the ICAR, and some instances the crop cases yields weren't affected told The Hindu, "In most

urea is that the traditional omitted in government comas basal nitrogen, of crop demunication around nano could be useful once the velopment. The nano urea sary during the initial stage, packaged urea is still necesplant grew after which the product could be sprayed on However, a crucial point yield increased." er Committee, which de-2019-2020, ICAR reported sons) of experiments, in cides on whether to approve urea, to the Central Fertilisthat benefited from nanc results of held trials on crops Based on a year (two sea-

basal nitrogen," Dr. Trilo-