

## Protection of ICAR Intellectual Properties

### Achievements

#### Patents

- Over 55 patents have been granted to ICAR in India and abroad. The table shows some of the recent Indian patents granted to ICAR in various fields.

Patent Number	Title of Invention
IN210526	A process for preparing a novel herbal formulation for the treatment of mange in animals
IN210528	Cold process technology for the preparation of urea molasses mineral block
IN211204	Process for purification of solanesol (95-%) from crude/enriched extracts of tobacco green leaf/ tobacco cured leaf/ tobacco waste
IN213744	Egg cleaning device
IN216982	Development of a process for conversion of paddy husk ash into bleaching material for edible oil
IN217106	Pre-grinding of oilseeds prior to mechanical expelling – a new process of energy saving
IN217763	Process for the preparation of pesticidal oxime esters
IN218031	Process for the preparation of mono/di/polyol ester pesticides
IN220787	Method of degumming of decorticated ramie fibre by recycling of degumming liquor
IN222587	Process for the manufacture of shelf-stable whey-mango beverage
IN223253	A composition for hybrid seed production
IN227536	Additives for improved photostability of Azadirachtin-A
IN227533	Palmyrah fibre separating machine
IN227691	Biofertilizer-cum-biofungicide/ biobactericide composition B5
IN231054	Depth control device for disc type furrow openers in tractor mounted seed-cum-fertilized grain drilling machine
IN234480	Bio pesticidal formulation with improved shelf life and the process of preparation.
IN232467	The synergistic mineral mixture for increasing milk yield in cattle.
IN233744	Development of a manually operated tender coconut punch and cutter
IN233742	Design and Development of coconut deshelling machine

#### Trademarks

ICAR institutes have secured trademark protection for ICAR products and services rendered by them to enhance market goodwill and safeguard quality assurance. These include

- 'PUSA' (Label) by IARI, New Delhi
- 'TRIVIR 1% WP' (*Trichoderma viride*) and 'KNOCK WP' (*Bt* formulation) by DOR, Hyderabad (Both pesticide formulations)
- 'CIFAX' for use in fisheries and aquaculture; 'CIFABROOD' for Carp Brood stock diet developed, and label 'Jayanti Rohu', by CIFA Bhubaneswar
- 'Vanaraja' and 'Gramapriya' by Project Directorate on Poultry, Hyderabad (Both poultry breeds)
- 'IISR' (Label) by Indian Institute of Spices Research, Calicut.

#### Copyrights

Registered copyrights are secured by ICAR institutes for protection from unauthorized copying of their software. These include, softwares developed by CIAE, Bhopal; Directorate of Soybean Research, Indore; NBFGR, Lucknow; and NBPGR, New Delhi.

#### Plant Varieties

ICAR has sought protection of its extant and new varieties under the Protection of Plant Varieties and Farmers' Rights Act, 2001 and is willing offer licences to interested seed companies, and enter into commercial agreements with them for facilitating enhancement in quality seed availability to farmers.