

## Patent granted to ICAR-CIARI, Port Blair for developing NOVEL ACARICIDE

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Port Blair, Oct 03: ICAR- Central Island Agricultural Research Institute, Port Blair receives patent for an invention entitled "Novel acaricide compositions for veterinary topical applications and the method of preparation thereof" under Patents Act, 1970 (Patent No: 455756) on 29th September, 2023. The invention is a process for developing oil based herbal topical formulation as an acaricide to treat tick infestation in livestock.

Tick infestation causes physical damage to livestock, irritation, unrest, paralysis or toxicosis and transmits blood borne protozoan diseases. Chemical acaricidal application is the common method of tick control. However, these chemicals are toxic and may cause accidental poisoning especially in children, residue problems in meat and milk and environmental pollution. Development of resistance of ticks to these acaricides is always an emerging disadvantage of chemical acaricides.

This herbal based formulation kills all stages of ticks in cattle and goat with less lethal time, economically affordable to farmers and safe to use in pregnant and lactating animals.