

Vaccination programs against Lumpy Skin Disease (LSD)

Prelims: Current events of national and international importance | Health

Why in News?

During 2025, Lumpy Skin Disease (LSD) has been reported in ten Indian states highlighting the need for the increased vaccination programs.

- **Nodal Ministry** - Ministry of Fisheries, Animal Husbandry & Dairying.
- **Aim**
 - Reducing risk to animal health by prophylactic vaccination against diseases of animals,
 - Capacity building of Veterinary services,
 - Disease surveillance and strengthening veterinary infrastructure.
- **Umbrella Scheme** - Assistance to State for Control of Animal Diseases (ASCAD) of Livestock Health and Disease Control Program (LHDCP) scheme.
- **Technical support** - Through the visits of Central Expert Teams including physical and virtual meetings.
- **Initiatives** - Formulation of disease specific National Action Plans (NAPs) to prevent and control animal diseases.
- This includes identification and notification of the affected area, isolation of affected animals, implementation of biosecurity measures.
- **Crisis Management Plan (CMP)** - Developed for mitigating livestock diseases in managing animal disease outbreaks.
- **Standard Veterinary Treatment Guidelines (SVTGs)** - Formulated for veterinary care to enhance livestock health and disease control.
- Early warning and alerts on 15 diseases in local languages to farmers, veterinarians and field officials through National Animal Disease Referral Expert System (NADRES) platform.
- **Top 3 vaccinated states (in lakhs)**
 - Uttar Pradesh (469.87)
 - Maharashtra (413.41)
 - Madhya Pradesh (300.94)

Lumpy Skin Disease (LSD)

- **Lumpy skin disease (LSD)** - It is a ***viral disease of cattle and water buffalo.***
- **Caused by** - The Lumpy Skin Disease Virus (LSDV), a member of the Capripoxvirus genus within the Poxviridae family.
- **Spread by** - Mosquitoes, flies, lice, wasps, by direct contact among the cattle, and through contaminated food and water.
- **Symptoms**
 - Fever and depression in animals,
 - Characteristic skin nodules all over the body,
 - Marked reduction in milk production,
 - Difficulty in eating, which sometimes lead to the animal's death.
- **Prevention** - Four tactics to control LSD are quarantine, vaccination, slaughter campaigns and management strategies.
- **Treatment** - There is no treatment for the virus, vaccination is the most effective means of control.

Reference

[PIB| Lumpy Skin Disease \(LSD\)](#)

