



Mineral Based- Technology for Estrus Induction and Synchronization In Bbovines for Increasing The Milk Production.

Technology Description

Innovative mineral based technology as reproductive performance enhancer by estrus induction and synchronization



Name Of institute: I.V.R.I,
Izatnagar, Bareilly
Stage of development:
Ready for commercialization
Patent status: Filed
Scientific Experts:
Dr. R.B. Rai

Background

Infertility/ anestrus is a serious problem in bovines throughout country and animals do not come in heat properly within 4 months of calving. The problem is more serious in subsequent lactations, particularly in buffaloes and high yielding crossbreds. This affects

Benefits / Utility

Farmer himself may decide the date and month of the conception. Help in improved calf production and conservation of germplasm. It corrects the hormonal balance in the body and restore normal physiological functioning and health. Effective for all species of

Country Context

May be of geographical specific because of variation in mineral profile in different geographical region.

Scalability

yes

Business and Commercial Potential

Moderate to high potential. Highly suitable for entrepreneurship development. Small and medium enterprises will take interest

Potential investors to this technical innovation

Any entrepreneurs, firms/ producers of feed, minerals/



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Financials

Total Capital Investment(excluding Land and licensing fees) : Rs 10

Target Market / Customer

Large dairy farmers Milk society Feed & supplements manufacturers

Limiting factors for large scale commercialization

Quality control and quality assurance in different geographical regions need to be established



Social impact of the technology

If these animals could be made productive, owners will take proper care and feed them besides providing shelters. It is expected that this will strengthen animal welfare measures. The diminishing profitability of dairy sector is likely to be reversed and unemployed youth may be attracted towards the venture (dairy sector) leading to economic empowerment which would also help in reducing the social evils among them. The reduction in inter-calving period will result in more calving, more lactation, more milk and improved calf production. The livelihood security of poor masses can successfully address.

