

India is the largest producer of milk in the world which accounts for 20% of the global milk production. The success of operation flood has enhanced the dairy production.

Yet India's dairy sector is facing issues like i) low productivity, ii) demand dairy export, iii) marketing and supply chain issues.

Innovations in Technology

Cross-breeding : Various techniques like Artificial insemination (AI), in vitro fertilisation (IVF), embryo transfer technologies can increase the productivity output from 3.01 kgs to 7.09 Kgs.

Bio-technology : Along with cross breeding biotechnological methods can be implemented in disease resistance, and scientific feeding methods.

E-commerce : Online services can be provided for giving farmers advices and enhance the doorstep delivery of to retail customers.

Supply-chain techniques : Cold chain ~~ref~~ warehouses, vehicle refrigerators, and other technologies can ~~not~~ increase the shelf-life of dairy products and will incentivise farmer income.

Government schemes

The National Artificial Insemination program (NAIP) was rolled out to monitor the artificial inseminated animals by providing a 12-digit pani Aadhar number.

Conclusion :

Therefore along with upgradation in technology, education and training to farmers should be provided to renovate the dairy sector.