



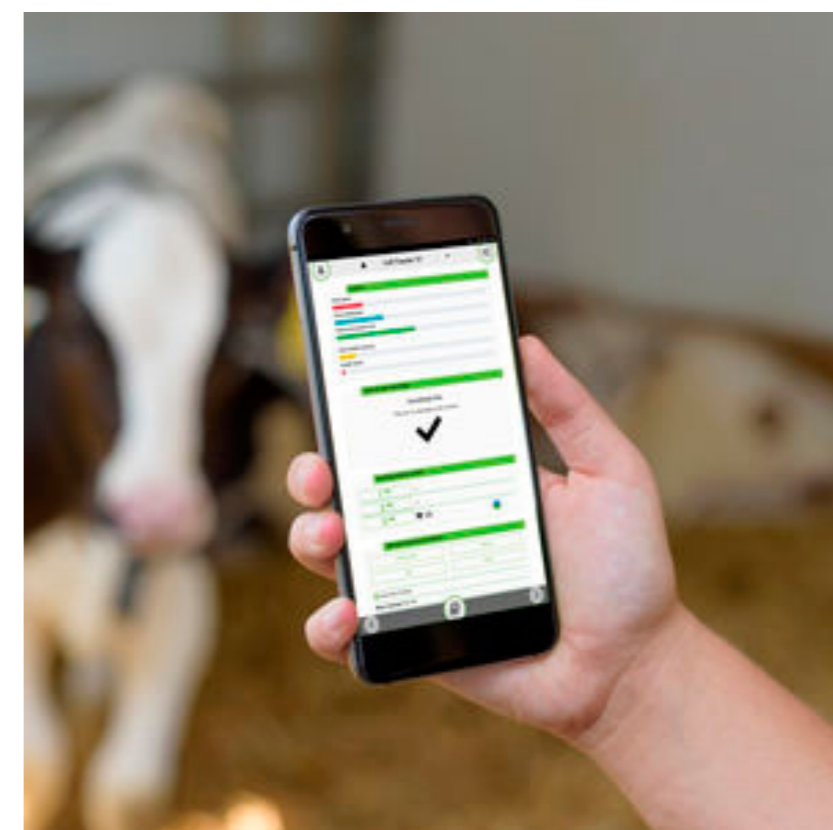
# USE OF MOBILE APPLICATION IN ANIMAL HUSBANDRY

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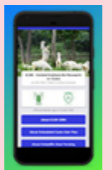

## INTRODUCTION

Livestock sector is a pillar of Indian agriculture. According to estimates, India has total livestock population is 535.78 million, total bovine 302.79 million, cattle 192.49 million, buffaloes 109.85 million, goat population 148.88 million, sheep is 74.26 million in population. The total pigs in the country are 9.06 million, Horses and Ponies is 3.4 lakhs. (Department of Animal Husbandry & Dairying releases 20th Livestock population). It plays vital role in meeting out the food and nutritional security of growing population, contributed to poverty reduction and overall agricultural development. However, farmers are facing different problems in livestock management viz. lack of proper information about disease management, market facilities, low productivity and lack of feed and fodder etc. One of best way to overcome these problems we can use ICT based information in livestock sector to improve production functions and management practices. Among

that use of mobile phones which is changing the agricultural production process. By usage of mobile based application farmers, students and agriculture entrepreneur can get very fast and easily information. Today mobile phones are an essential thing for everyone in day today life. It made easy to marketing of any product by one click on mobile from home at anywhere. For these applications are usually downloaded from application conveyance stages that are worked by the proprietor of the mobile operating system e.g., the App Store (iOS) or Google Play Store. Use of mobile based apps may reduce the cost of communication and information. More than just hardware, the smartphone has inaugurated in a new era for software developers all over the world. Here we are going to discuss some use mobile apps and their importance in livestock production and management.



**Table. 1 Mobile apps in Animal Husbandry sector**

Institute	Mobile App	Logo	Features
<b>NDDB (National Dairy Development Board)</b>	e-Gopala		Using this app, farmers can avail information about artificial insemination, animal first aid, vaccination, due dates for animal vaccination, pregnancy diagnosis etc. However, farmers will get knowledge about government schemes. Campaigning.
<b>ICAR-CIRB</b>	Bufelth		Get information about buffalo health
<b>ICAR-CIRB</b>	Buffalo Poshahaar		Acquire information about Buffalo Nutrition {(Buffalo feed management, Fodder management and conservation, Calf feed management, Common nutritional deficiency/metabolic diseases, Toxicity or poisoning in animals, Faulty feeding practice (Bloat, rumen acidosis etc.)}
<b>Central Avian Research Institute, Izatnagar</b>	ICAR-CARI		Imparts technical knowledge to poultry farmers. The poultry technologies, supply of poultry, training details can be found on this app.
<b>State Animal Husbandry Department</b>	MahaVetNet		Application guiding farmers in case of any disease and providing an immediate solution. Farmers avail various treatments, schemes and benefits from animal husbandry departments.
<b>ICAR-CIRG (Central Institute for Research on Goat)</b>	Goat Farming		This mobile application is to impart basic knowledge to farmers on Indian breeds, their breeding management, nutrition management of different age groups, shelter management and general care, health management and goat meat and milk products.
<b>ICAR-IVRI &amp; IASRI, New Delhi</b>	IVRI-Animal Reproduction		The App provides information about reproductive problems in cattle and buffaloes and measures to treat and control them. Additionally, information on Artificial insemination in cattle and buffaloes.

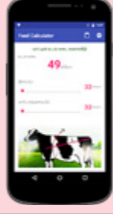


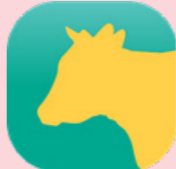














<b>Tamil Nadu Agriculture University, Coimbatore</b>	Feed Calculator		Calculating crossbred cow weight and provide weight-based feed chart. Provides information about different types of feeds, Green Fodder, Dry Fodder, Concentrated Feeds and Concentrated feed composition
<b>ICAR- Directorate of Poultry Research</b>	ICAR-DPR		Information about the Genesis, Germplasm and technologies developed, AICPR on Poultry Breeding, Poultry Seed Project, Germplasm availability etc.
<b>ICAR-National Research Centre on Equines, Hisar</b>	Infoequine		Knowledge related to equines breeds, management, nutrition, diseases, A.I. The information about diagnostic services, provision of semen for production of superior quality of mules, horses and donkey.
<b>Bhartiya Agro Industries Foundation</b>	BAIF Godhan Seva		BAIF provides doorstep artificial insemination (AI) service, for crossbreeding of local/nondescript cattle.



Table.2 Some others applications

	App Name	LOGO	LINK
Indian council of Agriculture Research, New Delhi	KISAAN		<a href="https://play.google.com/store/apps/details?id=net.mobile.icar.kisaan">https://play.google.com/store/apps/details?id=net.mobile.icar.kisaan</a>
	ICAR Technologies		<a href="https://play.google.com/store/apps/details?id=gov.krishi.icar.technologyrepository">https://play.google.com/store/apps/details?id=gov.krishi.icar.technologyrepository</a>
Central Institute for Research on Goat, Makhdoom	Bakrimitra (ICAR - CIRG)		<a href="https://play.google.com/store/apps/details?id=com.cirg.bakrimitra&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=com.cirg.bakrimitra&amp;hl=en_IN&amp;gl=US</a>
	Bakrimitra (ICAR - CIRG)		<a href="https://play.google.com/store/apps/details?id=com.cirg.goatfarming&amp;hl=ta&amp;gl=US">https://play.google.com/store/apps/details?id=com.cirg.goatfarming&amp;hl=ta&amp;gl=US</a>
	AI in Goats (बकरी गर्भाधान सेतु)		<a href="https://play.google.com/store/apps/details?id=com.goat_incimati&amp;hl=en_US&amp;gl=US">https://play.google.com/store/apps/details?id=com.goat_incimati&amp;hl=en_US&amp;gl=US</a>
	CIRG - Goat Farming (बकरी पालन / வெள்ளை (செ))		<a href="https://play.google.com/store/apps/details?id=com.cirg.goatproducts&amp;hl=ta&amp;gl=US">https://play.google.com/store/apps/details?id=com.cirg.goatproducts&amp;hl=ta&amp;gl=US</a>
ICAR- Indian Statistical Research Institute, New Delhi	KVK Mobile App		<a href="https://play.google.com/store/apps/details?id=com.icar.iasri.kvkapp&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=com.icar.iasri.kvkapp&amp;hl=en_IN&amp;gl=US</a>
	NIBLD		<a href="https://play.google.com/store/apps/details?id=net.iasri.nibld&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=net.iasri.nibld&amp;hl=en_IN&amp;gl=US</a>
National Research Centre on Meat, Hyderabad	Meat App		<a href="https://play.google.com/store/apps/details?id=in.gov.icar.nrcmeat&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=in.gov.icar.nrcmeat&amp;hl=en_IN&amp;gl=US</a>
Central Sheep and Wool Research Institute, Avikanagar	Avimitra		<a href="https://play.google.com/store/apps/details?id=com.variablesoft.avimitra&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=com.variablesoft.avimitra&amp;hl=en_IN&amp;gl=US</a>
National Institute of Animal Nutrition and Physiology	Feed Chart App		<a href="https://play.google.com/store/apps/details?id=com.borne.root.nianp_feedchart&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=com.borne.root.nianp_feedchart&amp;hl=en_IN&amp;gl=US</a>
Indian Grassland and Forage Research Institute-All India Coordinated Research Project, Jhansi	Fodder & Range Grasses		<a href="https://play.google.com/store/apps/details?id=com.frgapp.app&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=com.frgapp.app&amp;hl=en_IN&amp;gl=US</a>
	Forage India		<a href="https://play.google.com/store/apps/details?id=inforage_india.res.htpaicrponforagecrops_forageindia&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=inforage_india.res.htpaicrponforagecrops_forageindia&amp;hl=en_IN&amp;gl=US</a>
	Forage Seed		<a href="https://play.google.com/store/apps/details?id=com.aicrforageseed.app&amp;hl=en_IN&amp;gl=US">https://play.google.com/store/apps/details?id=com.aicrforageseed.app&amp;hl=en_IN&amp;gl=US</a>

## ADVANTAGES OF USING MOBILE APPS IN ANIMAL HUSBANDRY

1. Farmers can effectively monitor and manage the herd efficiently and applying the necessary treatments at the right time.
2. They get advisories through text and video messaging services.
3. Market intelligence through providing data on price, quality and quantity of arrival of various animal products at different markets.
4. Access to information on management, nutrition, breeding management etc. which effect on production system.
5. Farmers know the government policies and services through apps.

