

National Workshop on Best Practices in Animal Husbandry and Dairying.

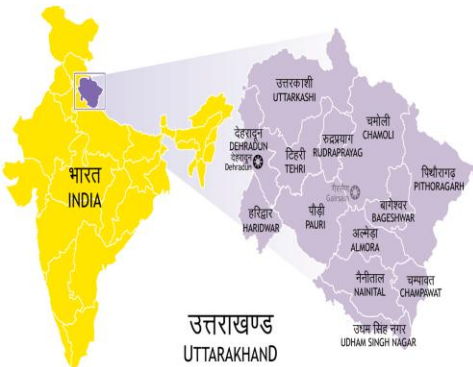
Date : 18th, 19th & 20th April, 2019,
Venue : AP HRDI, Bapatla

A Presentation on "Uttarakhand : Best Practices in Animal Husbandry "



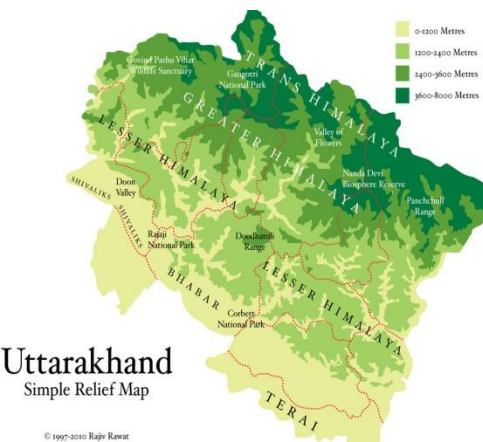
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Animal Husbandry in Uttarakhand



Livestock Census : 2012 : In Lakhs

S.	Species \ Year	1997	2003	(+ / -) %	2007	(+ / -) %	2012	(+ / -) %
1	Cattle - Crossbred	1.03	2.28	121.36 %	3.39	49.12%	4.98	46.6
2	Cattle - Indigenous	19.27	19.61	1.76 %	18.96	(-) 3.31%	15.08	(-) 20.4%
3	Total Cattle	20.30	21.89	7.83 %	22.35	2.14%	20.06	(-) 10.3%
4	Buffalo	10.94	12.28	12.25 %	12.20	(-) 0.71%	9.88	(-) 19.0%
5	Total Cattle & Buffalo	31.24	34.17	9.38 %	34.55	1.12%	29.94	(-) 13.34%
6	Sheep	3.11	2.96	(-) 4.82 %	2.90	(-) 1.84 %	3.69	26.98%
7	Goat	10.86	11.58	6.63 %	13.35	15.29 %	13.67	2.40%
8	Horse / Pony	0.23	0.17	(-)26.09%	0.15	(-)11.37%	0.16	5.94%
9	Mule	0.24	0.22	-8.33%	0.24	10.89%	0.27	11.68%
10	Donkey	0.01	0.007	(-)30.00%	0.01	78.00%	0.02	19.57%
11	Pig	0.32	0.33	3.13 %	0.20	(-) 39.40 %	0.20	0.43%
12	Dog	2.31	2.66	15.15%	2.52	(-)5.10%	2.21	(-) 12.31%
13	Rabbit	0.06	0.07	16.67%	0.05	(-)31.61%	0.06	26.88%
14	Total Livestock (Except Dog & Rabbit)	46.09	49.43	7.25%	51.41	4.00%	47.95	(-) 6.74%
15	Total Livestock (Including Dog & Rabbit)	48.46	52.16	7.64%	53.98	3.49%	50.22	(-) 6.97%
16	Poultry	9.72	19.84	104.12 %	26.02	31.14%	46.42	78.41%



Major Livestock Products



S. No.	Year	Milk (In Thousand Metric Tonnes)	Egg (In Lakhs)	Wool (In Thousand Kilograms)	Meat (In Lakh Kilograms)
1	2015-16	1656	3907	513	276
2	2016-17	1692	4119	538	284
3	2017-18	1742	4298	564	295

Average Yield rate per milk animal per day in Kilogram-

S. No.	Year	Non-Descript Cow	Cross Bred Cow	Buffalo
1	2015-16	2.078	7.113	4.498
2	2016-17	2.107	7.128	4.556
3	2017-18	2.16 (2.93)	7.18 (7.71)	4.61 (5.47)

Sheep & Goat Production-

S. No.	Year	Annual Wool Yield rate per Sheep in Kg	Average yield Per Slaughtered Animal in Kg	
			Sheep	Goat
1	2015-16	1.503	15.366	15.125
2	2016-17	1.506	15.388	15.256
3	2017-18	1.518 (1.161)	15.381 (13.043)	15.280 (11.105)

Poultry Production-

S. No.	Year	Annual Egg Production per layer bird in Numbers	Average yield Per Slaughtered Poultry in Kilogram
1	2015-16	218	1.112
2	2016-17	219	1.144
3	2017-18	219 (231)	1.154 (1.481)



SWOT: Animal Husbandry Sector



Strengths

1. Ready Market for livestock products, viz- Milk (Raw milk & Milk Products), Meat (Chevon & chicken) , Eggs etc.
2. Suitable Climate for livestock production.
3. Limited Hill Industrialization.
4. Flourishing Tourism needs more livestock products.
5. Well Knit Departmental Infrastructure.

Weaknesses

1. Short Shelf Life of Livestock Products.
2. Blue Collar Activity.
3. High Transportation Cost.

Opportunities

1. Dairying in Urban & Semi - Urban areas.
2. Poultry in Peri-Urban Areas.
3. [Goat Production in Middle Hill Areas.](#)
4. Sheep Production in Upper Hill Areas.
5. Ever increasing Market Demand of Livestock Products.

Threats

1. [Adulterated/ Synthetic Milk.](#)
2. Increasing Input Costs.
3. Limited Rise in Prices of Livestock Products.
4. Urbanization & Migration.



Best Practices

- ✓ Cattle & Buffalo Production -
 - ✓ Uttarakhand Cattle & Buffalo Breeding Act 2018.
 - ✓ Conservation of Red Sindhi Breed.
 - ✓ Application of Embryo Transfer Technology.
 - ✓ Production of Sex Sorted Semen.
 - ✓ Registration of Badri Breed of Cattle.
 - ✓ Distribution of Freiswal Cattle from Military Dairy Farms.
- ✓ Livestock Expo.
- ✓ IFAD-ILSP supported Projects.
- ✓ NABARD - RIDF supported Projects.
- ✓ Use of Mobile Social Media Apps.
- ✓ Wildlife Management.

✓ Sheep & Goat Production -

- ✓ Machine Shearing in Sheep.
- ✓ Mahila Bakri Palan Yojana.
- ✓ Import of Merino Rams & Ewes.
- ✓ State Integrated Cooperative Project.



✓ Poultry Production -

- ✓ Mother Poultry Units.



✓ Compact Fodder Block Production-

- ✓ C.F.B.P. Unit - Kalsi / Rudrapur.
- ✓ Fodder Bank - In all 95 Blocks.



IMPACT

- Contribution of Livestock in GSDP: 2.44 %
- Contribution in Per Capita Income: 2.69%
- Availability of Milk: 447 Gram/Head/Day
- **Rashtriya Gokul Mission Awards** : Uttarakhand received following RGM Awards in 8 Hill & 3 North East States Region Category from Hon'ble Agriculture Minister, Government of India-

1. FY 2016-17:-

1.1 Kamdhenu Awards -

- 1.1.1 First Prize - Animal Breeding Farm, Kalsi for Red Sindhi Breed.
- 1.1.2 Second Prize - Dairy Farm, Pantnagar for Sahiwal Breed.
- 1.1.3 Third Prize - Animal Breeding Farm, Naryalgaon for Badri Breed.

1.2 Gopal Ratna Award -

- 1.2.1 First Prize - Sri Jeewan Lal, Bageshwar for Red Sindhi Cow.

2. FY 2017-18 :-

2.1 Best Performing State Award.

2.2 Best A. I. Technician Awards-

- 2.2.1 First Prize - Dr. M.K. Joshi, Veterinary Officer, Pithoragarh.
- 2.2.2 Second Prize - Dr. Lal Singh Samant , V.O., Munakot (Pithoragarh)

2.3 Gopal Ratna Award -

- 2.3.1 Second Prize -Mrs. Kiran Rani, US Nagar for Red Sindhi Cow.

Thanks