

LIVESTOCK RESEARCH & CATTLE BREEDING FARM,
TELANKHEDI

(GAOLAO COW & NAGPURI BUFFALO RESEARCH CENTRE)



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(GAOLAO COW & NAGPURI BUFFALO RESEARCH CENTRE)
NAGPUR VETERINARY COLLEGE, NAGPUR**

1. BRIEF HISTORY:

The cattle breeding farm of Nagpur Veterinary College is one of the oldest dairy and cattle breeding farms in India. It was established way back in 1890 by the C. P. & Berar with local Gaolao cattle. In 1908 to 1917, 37 Sahiwal cows were introduced and Gaolao was withdrawn. Initially a few Sahiwal animals were brought from various Government institutes and the herd was developed later on. During reorganization of state in 1956, most of the good animals were transferred to Anjora farm in Durg district. During 1956-60 again, it was under the control of Agriculture College. Murrah buffaloes were reared on this farm from February 1965. Then on 20.10.1969, this farm was transferred to Panjabrao Krishi Vidyapeeth, Akola and now after formation of Maharashtra Animal and Fishery Sciences University, Nagpur, it has come under this University. This farm was renamed as 'Gaolao cow and Nagpuri Buffalo Research and Training Centre' in the year 2006, and since then Gaolao cow and Nagpuri Buffalo are reared at this farm.

2. OBJECTIVES :

1. To enhance the productivity of animals at farm.
2. To impart practical training, provide instructional and research facilities to the UG and PG students of NVC, Nagpur.
3. To conduct research- staff and PG students.
4. To develop a demonstration unit for livestock entrepreneurs.
5. To develop training centre for farmers.

3. HUMAN RESOURCES:

No.	Name	Designation	Vacant
1	Dr. A. G. Ganorkar	Deputy Director	0
2	-	Subject Matter Specialists	3
3	-	Senior Research Assistant	1
4	Shri. V. D. Surwade	Junior Research Assistant (Agri.)	0
5	Shri. P.R. Sonekar	Lab. Technician	0
6	Dr. Rucha Lanjewar	Farm Assistant	0
7	-	Junior Clerk	1
8	Shri. V. B. Chaudhary	Tractor Driver (Contractual)	0
9	-	Muster Clerk cum Storekeeper	1
10	-	Agri. Asst.(Fodder Production)	1
11	Shri.R.L.Yelane	Field Assistant	0
12	-	Attendant	1
13	Farm Laborers	23	
	Total	29	8

4. LAND RESOURCES:

The total area of the Cattle Breeding farm is 20.26 hectares.

- i) Land under cultivation : 12.76 hector
- ii) Grazing land : 5.15 hector
- iii) Office building : 2.35 hector

Out of 12.76 hector cultivable land, about 3.35 hector land is under perennial crops (Para and Gajraj grass) and 9.41 hector Land is under kharif fodder crops like Jowar and Maize etc. and in Rabi season about 5.0 hector of land is used for cultivation of fodder crops like Berseem and Maize etc.

5. LIVESTOCK RESOURCES: 156

Sr No	Livestock	Cross Bred	Gaolao	Murrah Buffaloes	Nagpuri Buffaloes
1	Cows/Buffalo	14	5	7	6
2	Heifers Above 1 yr.	7	1	3	7
3	Female Calves	4	4	1	7
4	Male Calves	3	2	4	2
5	Male Calves Above 1 yr.	0	3	2	4
6	Breeding Bull	-	1	1	1
7	Bullocks	-	4	-	-
		28	20	18	27

No. of Cattle/ Buffalo: 93 No. of Sheep + goat: 1+62=63

6. MILK PRODUCTION:

Species	2009-10 (Lit.)	2010-11 (Lit.)	2011-12 (Lit.)	2012-13 (Lit.) Till date
Cow	21380.73	31999.65	22650.20	14706.75
Buffalo	18855.10	24632.35	24468.15	11507.75

7. FARM RECEIPT (RS.):

Sr. No.	Receipt source	2009-10 (Rs.)	2010- 11 (Rs.)	2011-12 (Rs.)	2012-13 till date
1	Sale of Cow Milk	3,57,898	6,18,695	5,65,144	4,11,042/-
2	Sale of Buffalo Milk	4,47,799	5,99,446	6,15,282	3,31,704/-
3	Sale of Farm produce	-	7898	55,071	70,724/-
4	Fire wood	-	10940		
5	Other	1,19,960	31167		
6	Animal Auction	-	200900	2,13,100	2,56,900/-
	Total	9, 25,657/-	14,69,066	14,48,597	10,70,370

8. RESEARCH PROJECTS (Extramural) -Completed:

- ❖ NATP (CGP) ICAR Scheme on Draught Assessment of Different Breeds. Dept. of Anatomy.
- ❖ NATP (MM) ICAR Scheme on Mechanization of experimental plots. NVC Farm, MAFSU.
- ❖ Vidarbha Statutory Development Board aided “I D T M R” plant - (From March 31st 2008, the plant is closed).

POST GRADUATE STUDENTS’ RESEARCH WORK (Intramural)

- ❖ Utilization of soybean hulls as an energy source in the concentrate mixture of growing buffalo calves - Department of Animal Nutrition.
- ❖ Comparative efficacy of immunomodulator in subclinical endometritis - Department of Animal Reproduction, Gynecology & Obstetrics.
- ❖ Assessment of lead toxicity in the cattle from the vicinity of Koradi thermal power station - Department of Clinical Veterinary Medicine, Ethics and Jurisprudence.

Ongoing:

- ❖ Rural Bio-resource Complex for Bio-entrepreneurship development in Vidarbha Region of Maharashtra State.(RGSTC)
 - On farm demonstration of Activities under project
 - Azolla Production
 - Goat unit

9. FUTURE THRUST:

- a. Establishment of modern dairy unit with automization and mechanization i.e. milk parlour systems, continuous drinking water facility, farm record keeping, software (Herdsman), Ration Balancing Program (RBP) etc.
- b. Development of demonstration and extension education centre for progressive dairy farmers in Vidarbha for eg. Loose Housing System, Conservation of forage through silage/ Hay making.
- c. Development of demonstration unit for intensive livestock production system, demonstration unit of clean milk production and milk products.
- d. To establish Training Centre for Technicians/ farmers.
- e. To establish Central Fodder Demonstration Farm.

10. CONSTRAINTS:

- Resources- Financial, Land and security of farms
- Paucity of staff and labourers

Farm Images:-

A. Office -Cattle Breeding Farm



B) Green fodder Berseem Cultivation



C) Green fodder Jowar cultivation:-



D) Green fodder Maize cultivation:



E) Irrigation facility using Sprinklers:



F) Buffalo Shed:-



G) Cattle shed:



H) Buffalo Paddock:



I) Calf Shed:



J) Loose house for goats:



K) Loose House for Buffalo calves:



L) Silage Unit:



Information of staff members:

1. Dr. A. G. Ganorkar

Designation: Deputy Director (Research),
Cattle Breeding Farm, Nagpur.
Email ID- avinashgg@rediffmail.com

Educational Qualification:

1. B.V.Sc. from Dr. P.D.K.V., Akola in 1977
2. M.V.Sc.(Veterinary Pathology) from Dr. P.D.K.V., Akola in 1981
3. Ph.D. (Veterinary Pathology) from Dr. P.D.K.V., Akola in 2001

Details of Experience

1. Assistant Professor – from 29-7-1983 to 22-11-2001
2. Associate Professor- from 22-11-2001 to 30-04-2008
3. Deputy Director (Res)- from 1-05-2008 to till date

Research

- Co-Principle Investigator for sponsored research project on “Role of coxynil in pathology of coccidiosis in poultry”
- Major Adviser- 2 Postgraduate student
- Member of Advisory committee- more than 12 students

Publication

- International Journal- 2 paper
- National Journal- more than 26 paper

2. Shri. V. D. Surwade

Designation: Junior Research Assistant (Agri.)
Cattle Breeding Farm, Nagpur

3. Dr. R. D. Lanjewar

Designation: Farm Assistant
Cattle Breeding Farm, Nagpur

Educational Qualification:

1. B.V.Sc. from MAFSU.,Nagpur in 2004
2. M.V.Sc.(Animal Nutrition) from MAFSU., Nagpur in 2008

Details of Experience:

Working as Farm Assistant from 5th June 2008