

DEPARTMENT OF LIVESTOCK PRODUCTION MANAGEMENT



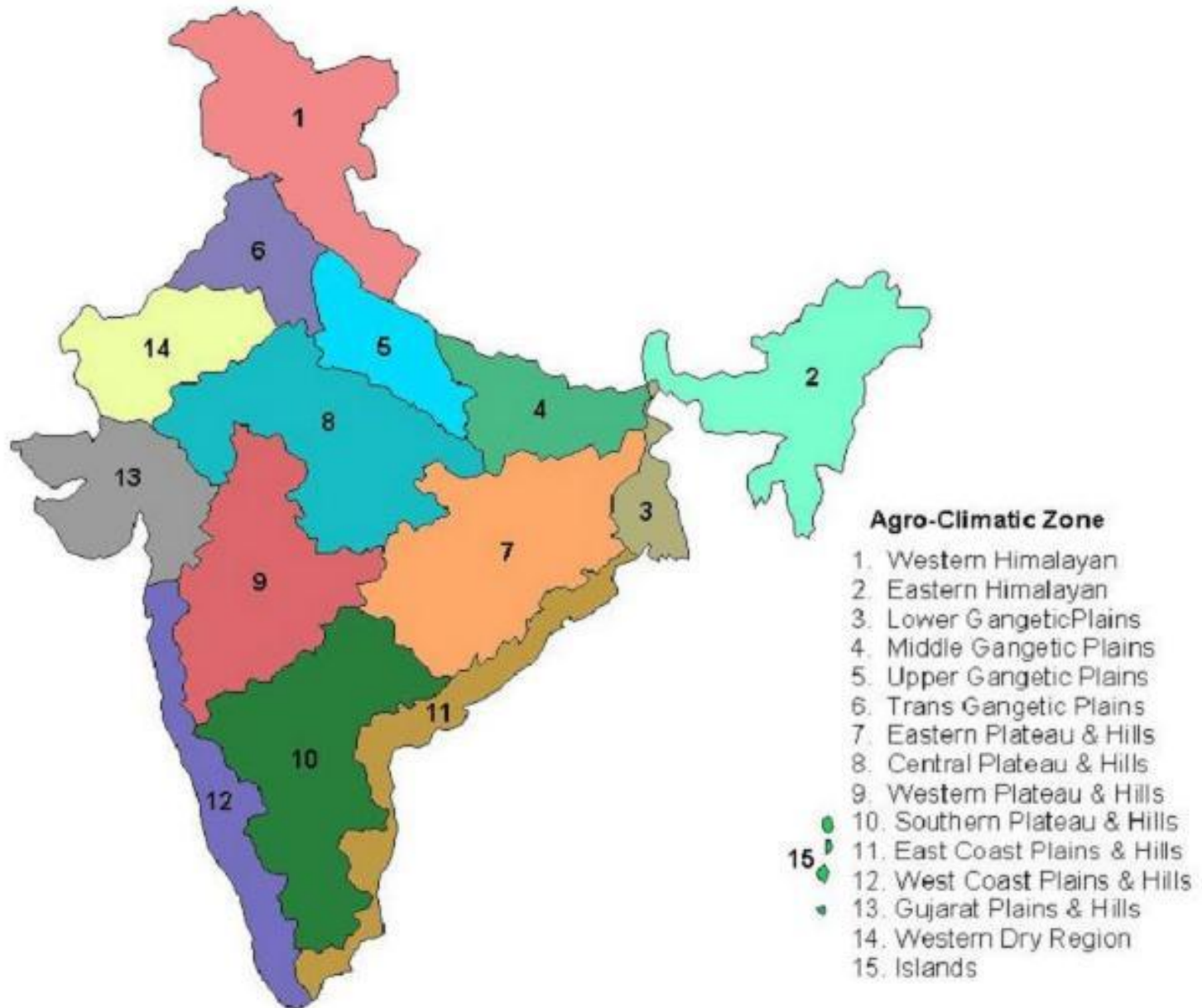
पशुधनं नित्यं सर्वलोकोपकारकम्

AGRO-CLIMATIC ZONE

INTRODUCTION

1. ACCORDING TO PLANNING COMISSION, SEVENTH PLAN HAS DIVIDED THE COUNTRY INTO 15 BROAD AGROCLIMATIC ZONES.
2. BASED ON PHYSIOGRAPHY, SOIL, GEOLOGICAL FORMATION, CLIMATE, CROPPING PATTERN DEVELOPMENT OF IRRIGATION AND MINERAL SOURCE FOR BROAD AGRICULTURE PLANNING AND DEVELOPING FUTURE STRATEGIE.
3. AGRO CLIMATIC ZONE IS A LAND UNIT IS TERMS OF MAJOR CLIMATIC SUITABLE FOR A CERTAIN RANGE OF CROPS AND CULTIVARS.

Agro-climatic zones of India



1. WESTERN HIMALAYAN REGION

- **States:-** Jammu and Kashmir, hilly region of Punjab and Uttrakhand.
- **Climate:-** temperate/sub temperate region.
Cool and humid.
Snowfall in high altitude .
temp: – 5°C- 30°C
- **Annual rainfall :-** 1650-2000 mm.

- Animals :- small animals are found.

Goat

1. Changthangi
2. Gaddi
3. Chegu
4. Kangum
5. White Himalayan

Sheep

1. Changthangi
2. Karnah
3. Poonchi
4. Kashmiri marino
5. Gurej
6. Rampur bushair
7. Bakharwal

2.EASTERN HIMALAYAN REGION

- STATES:- Assam, hilly region of W.B., Sikkim, other north eastern states.
- Climate :- rainfall 2000-4000 mm.

Climate varies from near tropical to alpine.

Temp. :- 10°C - 30°C



Animals

- Cattle :- Siri
- Sheep:- Bonpala
Tibetin
- Goat:- Khashi

3. LOWER GANGATIC PLANE

- STATES:- Plane region of West Bengal
- Climate:- High temp and humidity.
Temp.: - 26°C-41°C
- Annual rainfall :- 1302-1607 mm.

Animals:-

- Sheep :- Garol
- Goat :- Black Bengal

4. MIDDLE GANGATIC PLAIN

- States:- Most of Bihar, Eastern Uttar Pradesh
- climate:- high rainfall
temp:- 26⁰c-41⁰c
- Annual rainfall:- 1211-1470mm
- Animals:-
 - cattle- Bachur
 - sheep- Sahabadi

5. UPPER GANGATIC PLAIN

- STATE:- MOST OF UTTAR PRADESH
- CLIMATE:- MOSTLY TROPICAL AND SEASONAL VARIATION IN TEMPERATURE
- TEMP: – 18°C- 30°C
- ANNUAL RAINFALL:- 721-979MM
- ANIMAL:-
 - BUFFALO → BHADAWARI
 - CATTLE → KANKATHA , KHERIGARH
 - SHEEP → MUZZAFARNAGARI
 - GOAT → JAMNAPARI, BARBERI

6. TRANS GANGETIC PLAIN

- STATES: – PUNJAB, HARIYANA, CHANDIGARH AND DELHI
- CLIMATE:- MOSTLY TROPICAL
- TEMP: – 25⁰C -40⁰C
- ANNUAL RAINFALL :- 65-125MM
- ANIMALS :-
 - CATTLE → HARIANA
 - BUFFALO → MURRAH[ROHTAK] ,NILIRAVI
 - SHEEP → LOHI, NALI, MOGRA,
PUGAL,MUGAL
 - GOAT → BEETAL

7. EASTEREN PLATEU AND HILL REIGION

- States:- southern and eastern bihar, eastern M.P. ,North eastern maharastra ,west interior part of orrisa
- Climate:- mostly moderate
- Temp:- 26⁰c-34⁰c
- Anuual rainfall:- 1271-1436mm

Goat → ganjam

Cattel → malvi, nimari , gaolo

Sheep → balangir, ganjam,



8. CENTRAL PLEATUE AND HILL REIGION

- STATES:- CENTRAL AND NORTH PART OF M.P., SOUTHERN PART OF U.P. , SOUTH EAST RAJASTHAN
- CLIMATE:- SEMI ARID TO DRY SUB HUMID

TEMP: -26°C- 40°C

- ANNUAL RAINFALL:- 400-1550MM
- ANIMALS:-
 - CATTEL → RATHI , NAGORI
 - SHEEP → MALPURI, SONADI
 - GOAT → BARBARI , SIROHI , JAKHRANA

9.WESTERN PLEATUE AND HILL REGION

- STATES:- ANTERIOR MAHARATRA , SOUTH WESTERN M. P. , NORTHERN KARNATKA
- CLIMATE:- MOSTLY TROPICAL
TEMP:- 24⁰C- 41⁰C
- ANNUAL RAINFALL: – 602-1040MM
- ANIMALS:-
CATTEL → DANGI , MEWATI
GOAT → OSMANABADI, SANGAMNERI

10. SOUTHERN PLEATUE AND HILL REIGON

- STATES:- ANTERIOR OF ANDRA PRADESH, KARNATKA AND TAMIL NADU
- CLIMATE:- LOW TO MEDIUM RAINFALL
- TEMP. :- 16°C-30°C
- ANNUAL RAINFALL:- 677- 1016
- ANIMALS:-
 - CATTEL → AMRITMAHAL, DEONI, KRISHNAVALLY
 - SHEEP → BELLARI, HASSA, KILLAKARSAL, NILLORI, NILGIRI, DECCANI
 - GOAT → KANAIDU

11.EAST COST PLAIN AND HILL REGION

- STATES:- EASTEREN GHAT OF ORISSA AND TAMIL NADU

- CLIMATE: – HOT AND HUMID

TEMP. :- 25°C – 35°C

ANNUAL RAINFALL:- 780-1287 MM

ANIMALS:-

CATTLE → ANGOL AND BARGUR

SHEEP → KANGURI, KILLA KARSAL,
MADRAS RED, TIRUCHI BLACK,
RUMANAD WHITE

12. WESTERN COAST PLAINS AND GHATS

- STATES:- COASTAL AREA OF KERALA, TAMIL NADU, KARNATKA , GOA , MAHARASTRA

- CLIMATE: – MOSTLY HOT AND HUMID IN PLAIN REGION, COLD AND HILL

TEMP. – 25°C – 30°C

- ANNUAL RAINFALL:- 2226-3640MM

- ANIMALS:-

CATTLE → HALLIKAR, KHIRALI, KANGYAN
GOAT → MALABARI

13. GUJARAT PLAIN AND HILL REGION

- STATES:- GUJARAT
- CLIMATE:- ARID WITH LOW RAINFALL
TEMP. :- 30°C
- ANNUAL RAINFALL:-340-1793MM
- ANIMALS:-
 - CATTLE → KANGREJ, GIR, DANGI
 - BUFFALO → JAFARABADI, MEHSANA,
 - SHEEP → MARWARI, PATHANWARI
 - GOAT → GOHILWADI,
KOTCHI,ZALAWADI,MEHSANA,
SURTI

14. WESTREN DRY REGION

- states:- most of the part of Rajasthan
- climate:- hot and sandy region
temp:-18⁰c-45⁰c

Annual rainfall:- 95mm

- animals:-
- cattle → Tharparkar
- sheep → Chokla, Jaisalmeri, Nali
- goat → Marwari



15. ISLAND REGION

- States:- Andaman and Nicobar and Lakshdeep
- Climate:- high rainfall
- Temp. :- 30⁰c
- Annual rainfall:-300mm
- Animals:-
goat → Andamani

