

# UPDAAN

## 2025

### Resources and Development

Geography

Lecture – 04

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# Topics

*to be covered*

- 1 Land Use Pattern
- 2 Soil Types
- 3 Soil Erosion
- 4







**Hanji Dosto !  
Mai Douglas .. Apka  
Class Monitor ! Kisi ne  
shor Machaya to Sir  
ko Boldunga**



Aaja Vro ! Tujhe Mast  
Kahani Sunata Hu ..  
Hui ! Hui ! Hui!



## Question



Dogesh became a farmer and started cultivation. After sometime, Dogesh stopped cultivating. He has not cultivated his land for 8 months . His land will fall into which category ?



**A** Cultruable Waste Land  $\alpha$

**B** Other than Current Fallow  $\alpha$

**C** Current  
Fallow Land

**D** All of the above

Bonus  
Ques



Mangesh started cultivation on his land and stopped after sometime. For past 7 yrs. there has been no cultivation. Identify the land type —

- ✓ (a) Culturable Waste Land
- (b) Current Fallow
- (c) Other Than Current Fallow
- (d) All



# Net Sown Area



The physical extent of land in which the crops are sown and harvested is called Net Sown Area



Gross Cropped Area //



// Net Sown Area + Area Sown more than once in a year

(Area जिसमें एक से ज्यादा बार फसल लगाई जाती है।)





Ramesh went to a village, area of which is suppose  
200 sq km Out of this farming is done in an area  $\rightarrow$  140  
sq km  
This will be \_\_\_\_\_.

- ☒ (a) Net Sown Area
- (b) Gross Cropped Area
- (c) Harvested Area
- (d) All

Diff  $\rightarrow$  Net Sown Area



We count the crop  
that is grown only  
once a field.

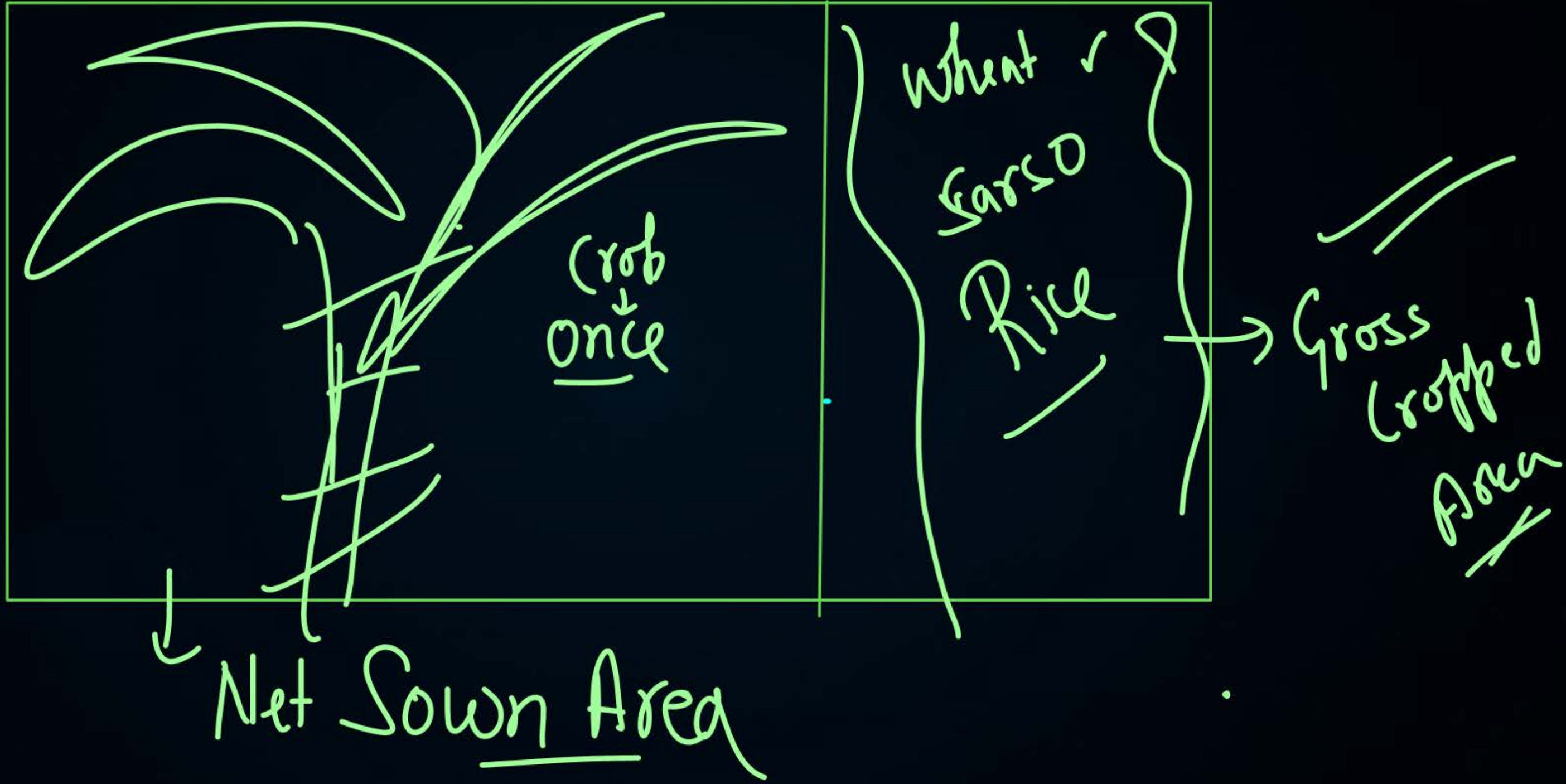
Gross Cropped Area



More than once  
the crops are  
sown.



2nd







Ques

Soham had a land. He grows rice, wheat, pulses in a year on it. This will be counted in —

- (a) Net Sown Area
- ☒ (b) Gross Cropped Area
- (c) Total Area
- (d) None

# Land Use pattern in India

↓  
Depends on

→ Physical Factors

→ Topography

→ Soil

→ Climate

→ Mountain  
etc.

→ Plain

→ Plateau

→ Human Factors

→ Population density

→ Technology

→ Culture and Traditions



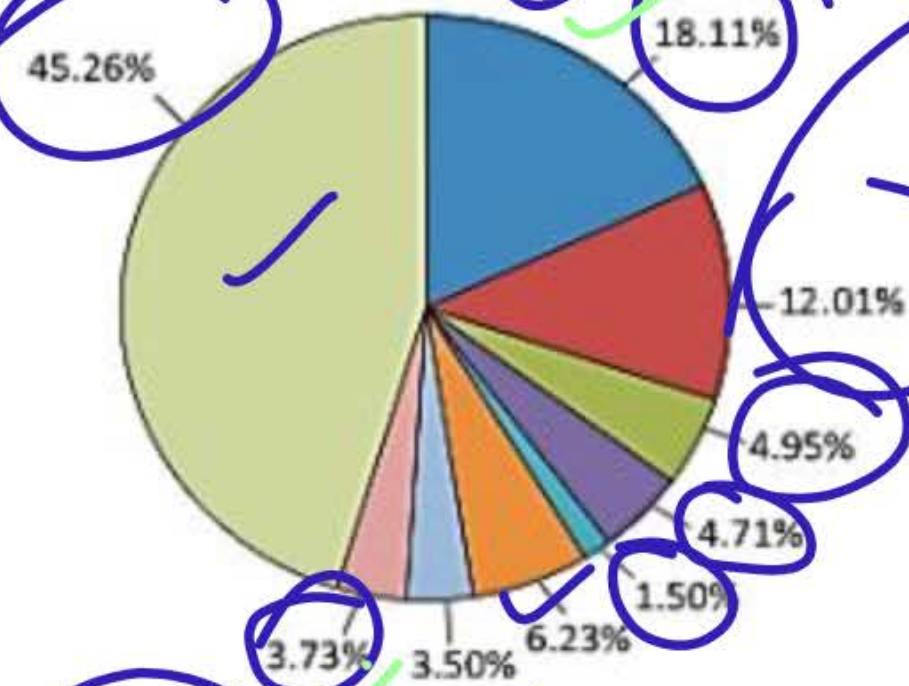
# Land Use Pattern – India



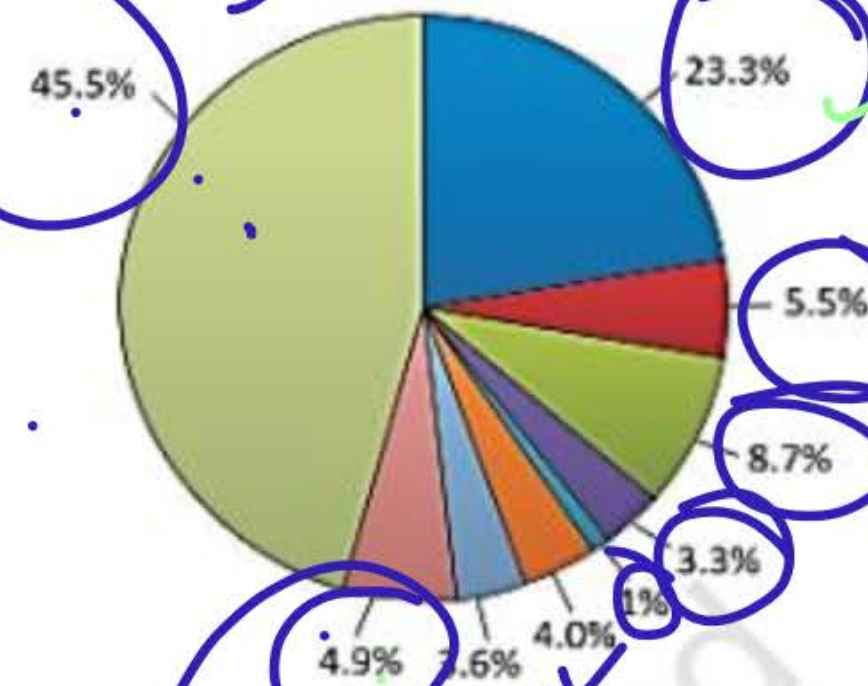
General land use categories-1960-61

General land use categories-2014-15

Reporting Area: 100 Per cent



- Forest
- Barren and unculturable waste land
- Area under non-agricultural uses
- Permanent pasture and grazing land
- Area under misc. tree crops and groves



- Culturable waste land
- Fallow other than current fallow
- Current fallow
- Net sown area

Ques

On the basis of pie diagram, which of the following has increased between 1960-61 and 2014-15?

(a) Forest Area

(b) Current Fallow

(c) Net Sown Area

✓ (d) Both a & b

1





## Land Use Pattern – India

(Analysis).

5 marks

land under permanent pasture has also decreased

Other than current fallow land is either of poor quality or cost of cultivation is high

These lands are cultivated only 1-2 times in 2-3 years

Pattern of Net Sown Area is different in different states .  
It is more than 80% of the total area in Punjab and Haryana and less than 10% in Arunachal , Mizoram , Manipur and Andaman

If we count them in Net Sown Area , then Net Sown Area of India will be 54%



# Land Use Pattern – India



Forest area is less than the desired 33%. It is the target as per National Forest Policy(1952)

Land put to other non-agricultural uses like land used for railways , roadways , building schools ,hospitals etc.

Waste land includes rocky, arid and desert areas

Overuse of land without taking proper measures has led to land degradation



Ques

Fallow and Other Than Current Fallow Lands in India are not counted in Net Sown Area because:

- (a) They are of poor quality
- (b) Cost of cultivation is high
- (c) Farmer cultivates them 1-2 times in 2-3 yrs
- ~~(d)~~ All
- (e) Both a & b



# Land Degradation



Jharkhand

Chhattisgarh

Madhya Pradesh

Odisha

JCMO

Jamuna  
Chali

mere

Ore

→ Deforestation due  
- to mining



# Land Degradation



Gujarat

Rajasthan

Madhya Pradesh

Maharashtra

GRM<sup>2</sup>

↓  
Overgrazing



# Land Degradation



Punjab

Haryana

Western Uttar Pradesh

PW  
Haryana

Soil → Salinity and alkalinity have increased

↓ Over irrigation → Water logging (खेतों में पानी जमा)





Last Poll.

Cause of Land Degradation in Punjab, Haryana, Western UP.

- ✓ (a) Over-irrigation
- (b) Over-Grazing
- (c) Mining
- (d) All



## Homework



- ↓
- What are the causes of land degradation?
  - Define :
    - (a) Net Sown Area
    - (b) Gross Cropped Area





THANK  
YOU

