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और परिवारों की भूमि  
एवं पशुधन धृतियों का मूल्यांकन, 2019

Situation Assessment of Agricultural Households  
and Land and Holdings of  
Households in Rural India, 2019

एनएसएस 77 वाँ दौर  
NSS 77<sup>th</sup> Round

(जनवरी - दिसम्बर, 2019)  
(January - December 2019)



Data for Development

भारत सरकार

Government of India

सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय

Ministry of Statistics & Programme Implementation

राष्ट्रीय सांख्यिकीय कार्यालय

National Statistical Office

सितंबर 2021

September 2021



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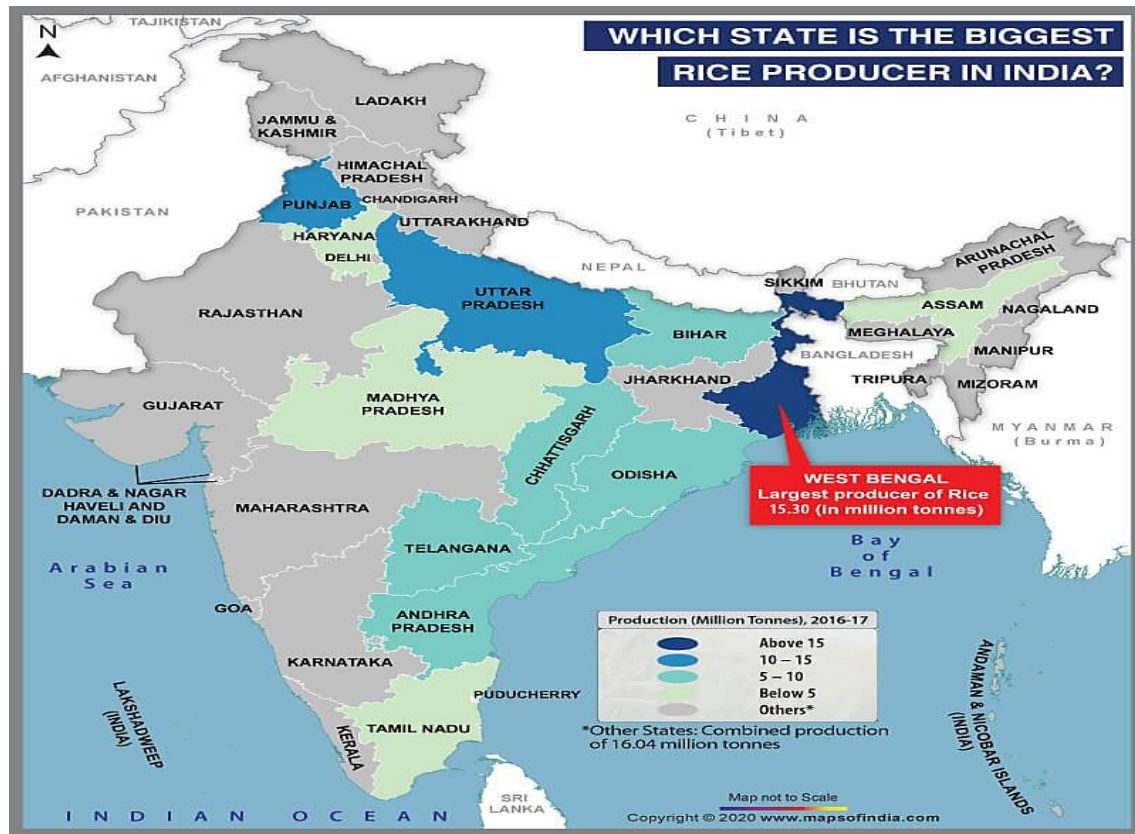
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# Rice Production in India



# The Conclusion

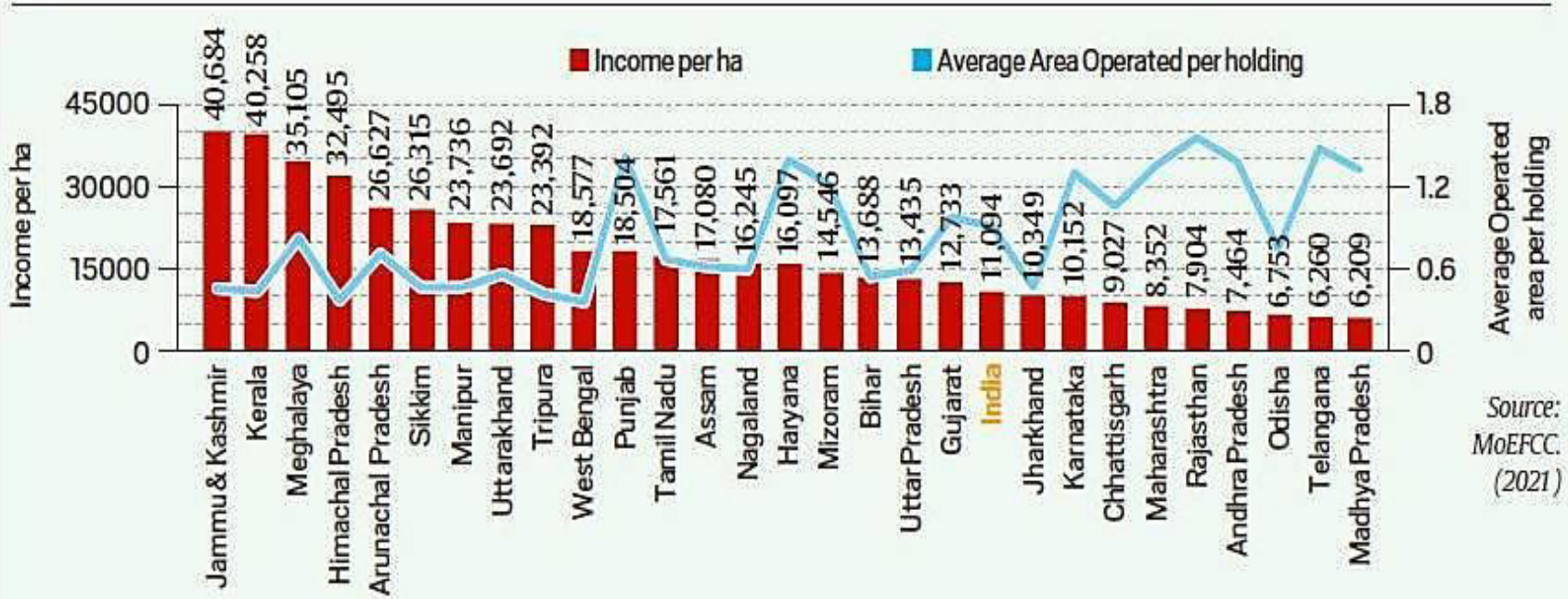
- As per the latest Situation Assessment Survey (SAS) of agricultural households conducted by the **National Statistical Office (NSO)**, an average Indian farmer earned Rs 10,218 per month in 2018-19.
- Across states, the highest income was received by a farming household in Meghalaya (Rs 29,348) followed by **Punjab (Rs 26,701)**, **Haryana (Rs 22,841)**, Arunachal Pradesh (19,225) and Jammu and Kashmir (Rs 18,918) while the lowest income levels were in West Bengal (Rs 6,762), Odisha (Rs 5,112) and Jharkhand (Rs 4,895).





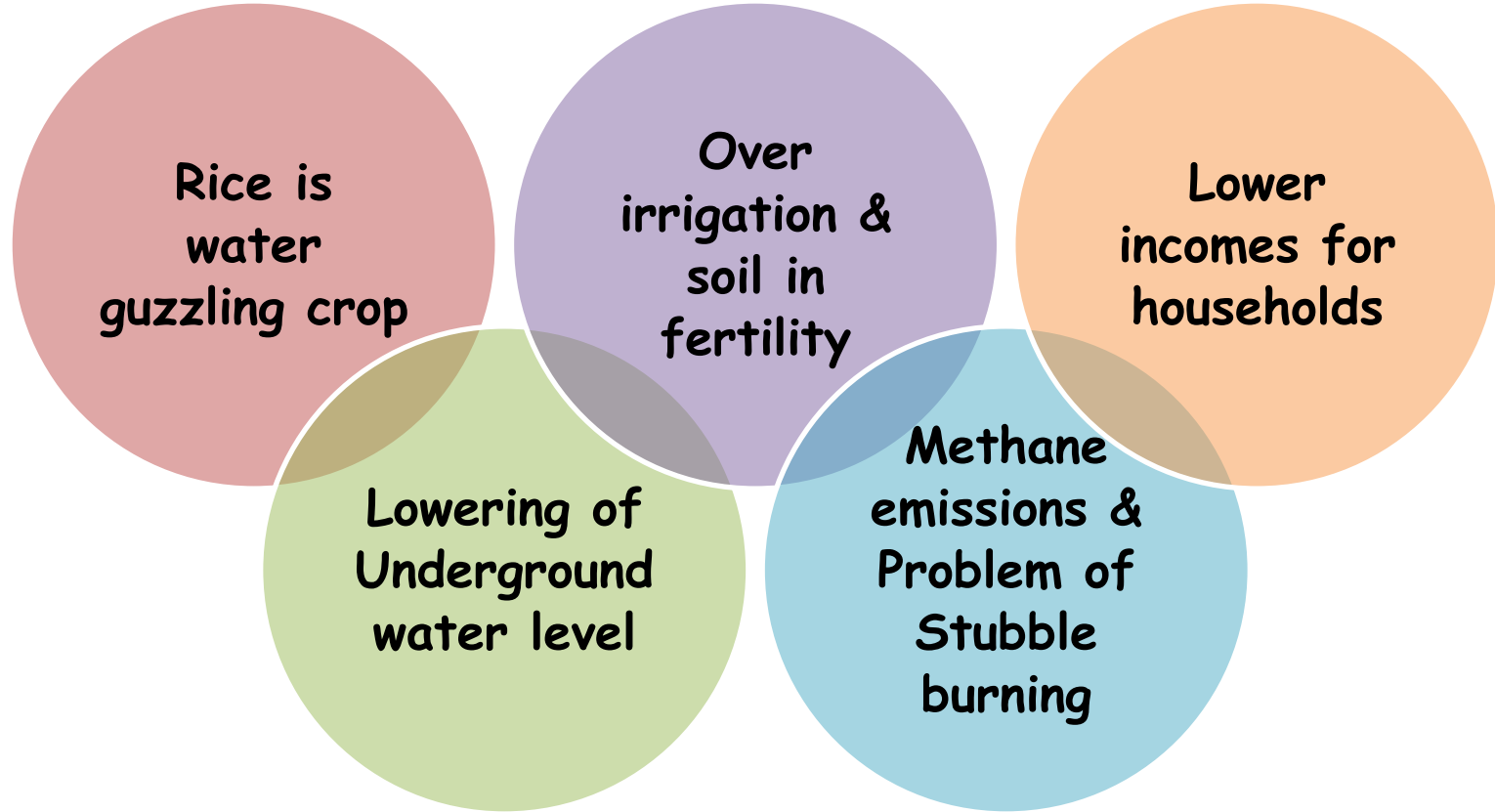
# The Conclusion

Figure 1: INCOME PER HA OF AVERAGE OPERATED AREA PER HOLDING



Source:  
MoEFCC.  
(2021)

# *What's the problem with Rice in Punjab?*



# *Time to make a shift??*

- According to reports by the Punjab planning department, paddy and basmati together account for approximately 40% of the gross cropped area while wheat is grown in 39% of the area.
- Meanwhile, cotton, potato, maize and sugarcane respectively occupy 3.75 %, 3.13 %, 2% and 1.35% of the gross cropped area.

Can we make a shift from Paddy to Maize?



# *Time to make a shift??*

- **Why Maize?**

1. Maize needs  $1/5^{\text{th}}$  of water in comparison to Paddy
2. Maize reduces issues of Stubble burning
3. Maize can enhance Ethanol production



- Note: Punjab's former **CM Amarinder Singh** had approached the Centre with an idea to create a fund of around Rs 25,000 crore to help farmers switch from paddy to maize...!!

# *Time to make a shift??*

Is it so easy to shift to Maize?

**No..!!**

**HYV Maize  
seeds**

**Attractive  
MSP**

**Govt  
Procurement**

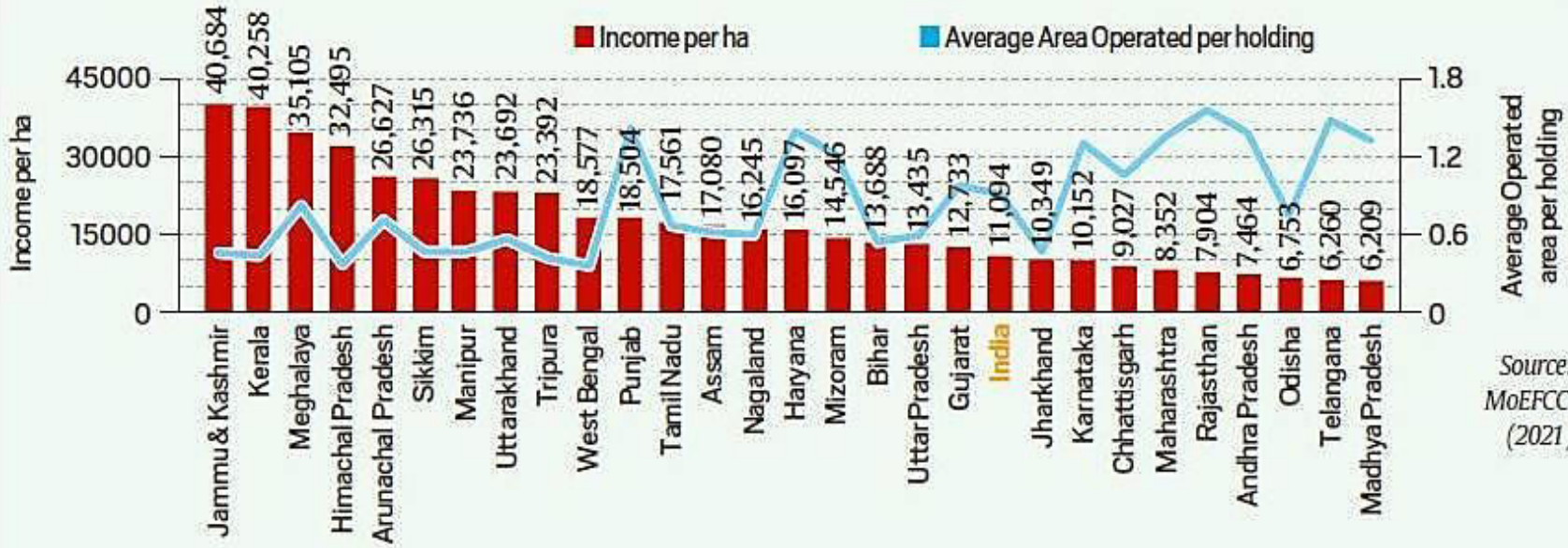
**Loss  
reimbursement**

**Five year  
transition plan**

# Time to make a shift??

If not Maize, then what?

Figure 1: INCOME PER HA OF AVERAGE OPERATED AREA PER HOLDING



Source:  
MoEFCC.  
(2021)