

[Main Page](#)[State Wise](#)[District Wise](#)[Coconut](#)[Time Series](#)[Production](#)[Metrics](#)

Problem Statement

This dataset provides a huge amount of information on crop production in India ranging from several years. Based on the information the ultimate goal would be to predict crop production and find important insights highlighting key indicators and metrics that influence the crop production.

Buttons Meaning

State Wise (State wise visualization will be in the page)

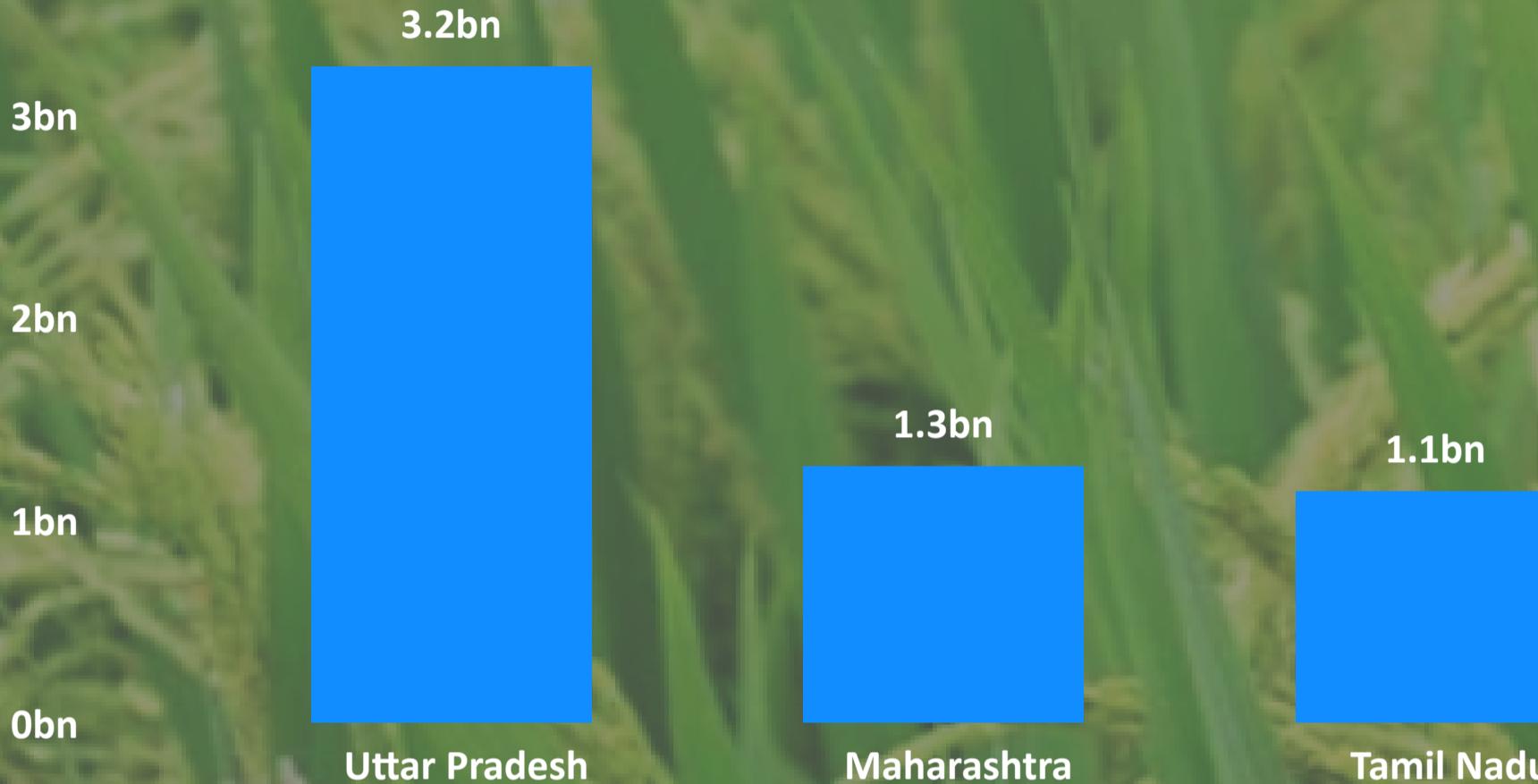
District Wise (District Wise visualization will be in the page)

Time Series (How production is performing in all years)

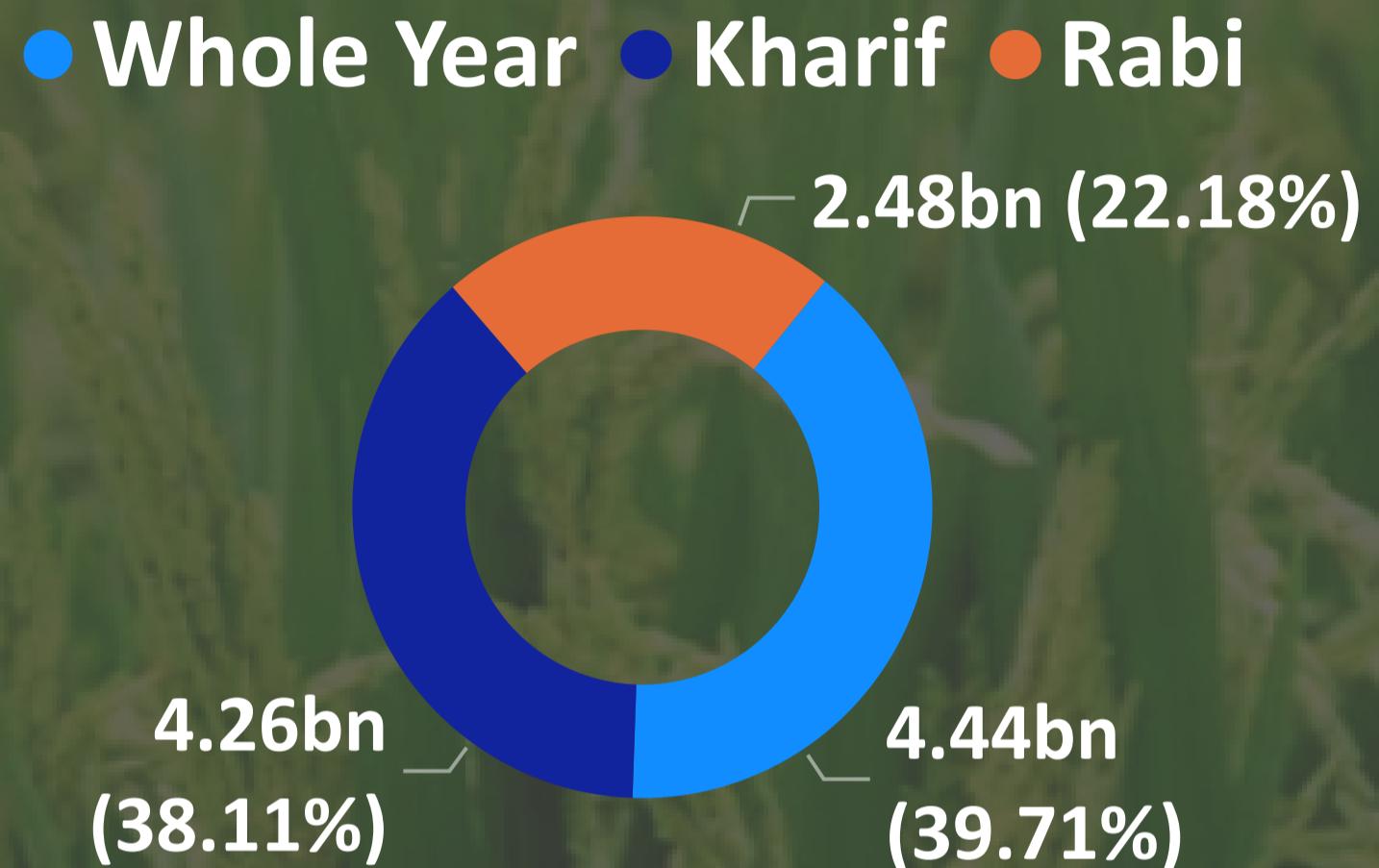
Metrics (Production is presented in the form of numbers)

Insight (Insight for Respective Page)

Production in Top 3 States



Sum of Production by Season



India Zone

- East India
- North India
- South India
- Union Territory
- West India

Clear Filter

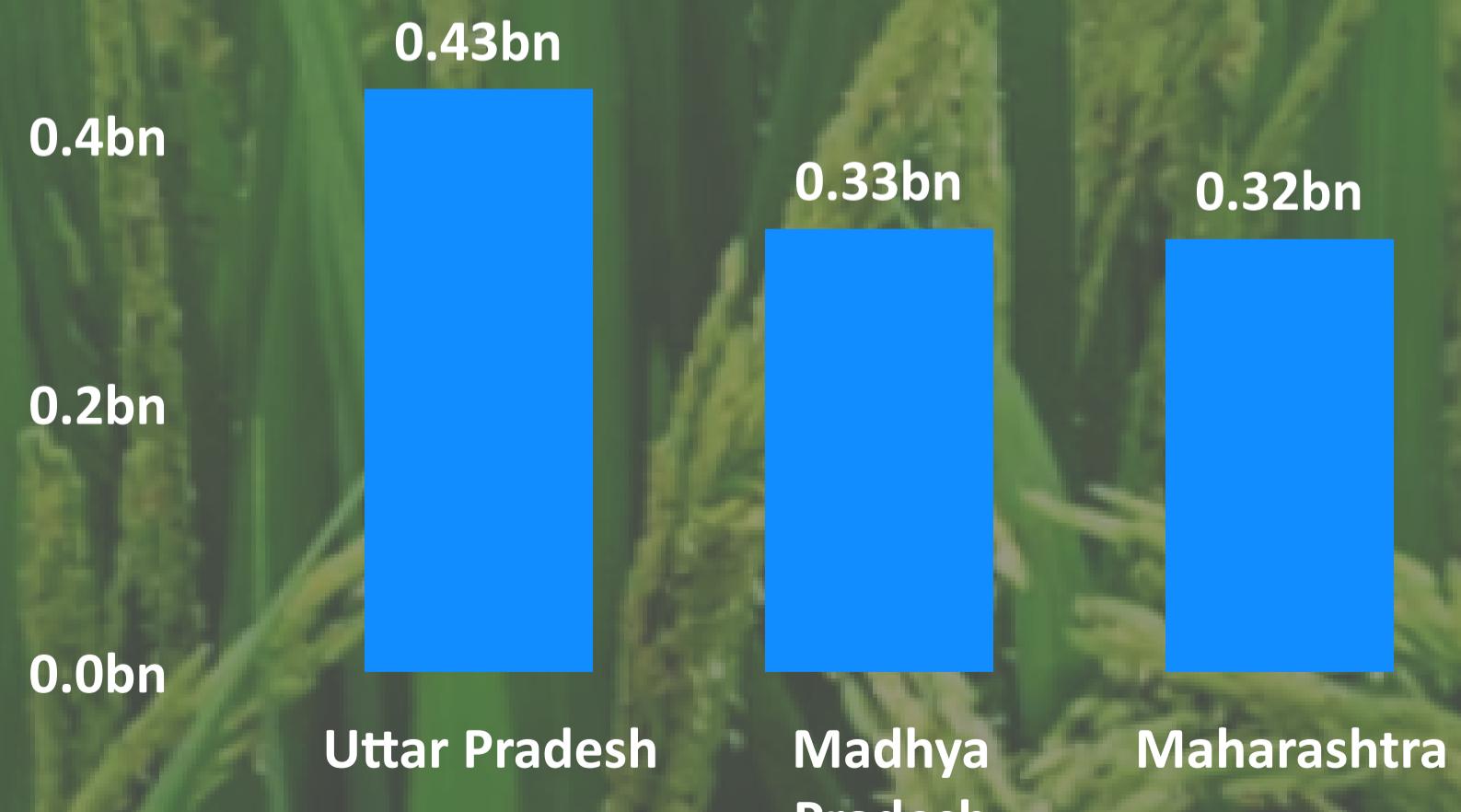
Crop Year

All

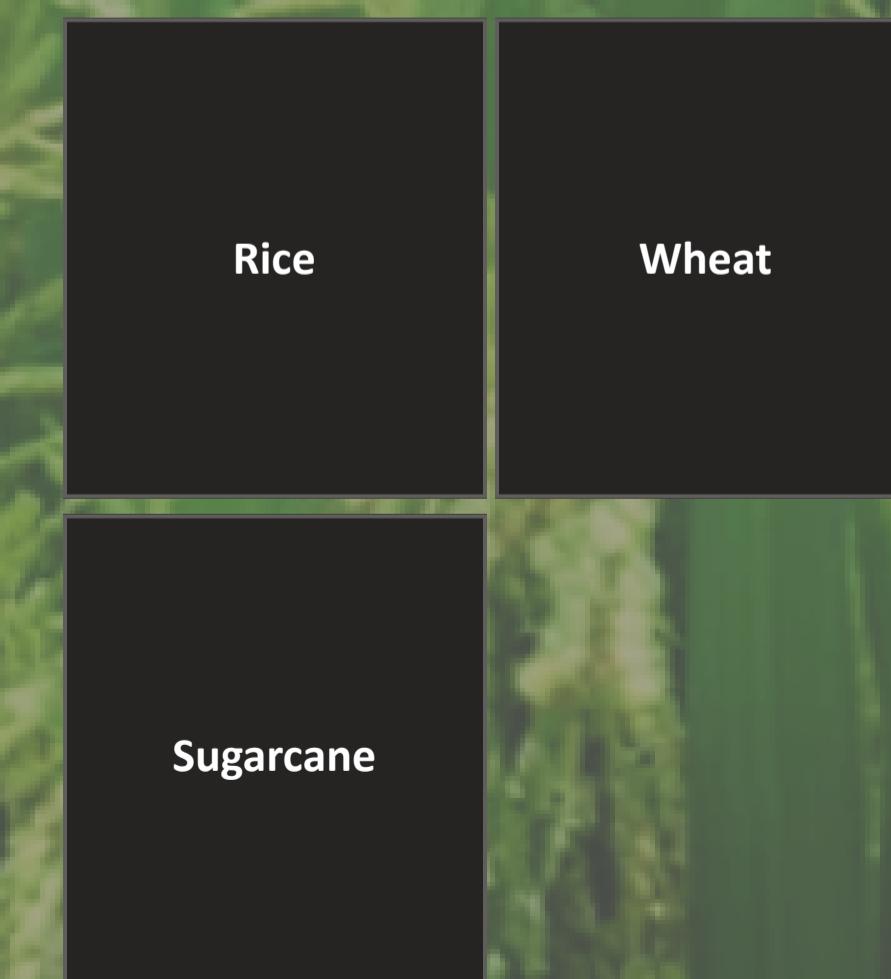
Average of Production by State_Name



Crops Area in Top 3 States



Top 3 Crops of Year



Top 3 crops as per Production in India

[Back to state](#)

- Sugarcane
- Rice
- Wheat

Total production of Sugarcane is Highest Among All Crops

- Utter Pradesh is having Highest Production and Cultivation area among all state
- Maximum Production of Sugarcane Comes When It Sown in Whole Year Season

Total production of Rice is Second Highest Among All Crops

- West Bengal is having Highest Production, but Cultivation area is highest in Uttar Pradesh
- Maximum Production of Rice Comes When It Sown in Kharif Season

Total production of Wheat is Third Highest Among All Crops

- Utter Pradesh is having Highest Production and Cultivation area among all state
- Maximum Production of Wheat Comes When It Sown in Rabi Season

North India Is Having Maximum Production Among All Zones

646

Number of District

2.91bn

Sum of Area

11.19bn

Sum of Production

38

Total Number of crop

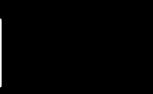
States

All

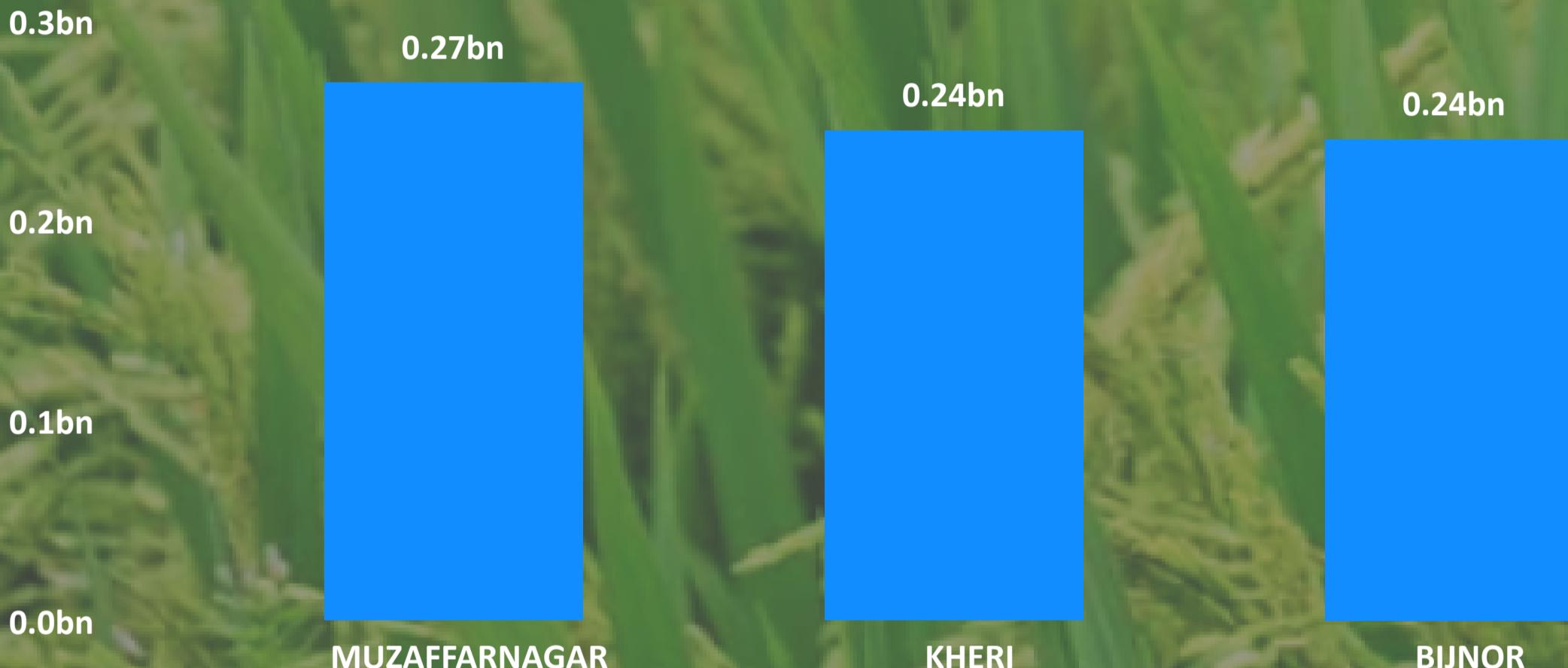
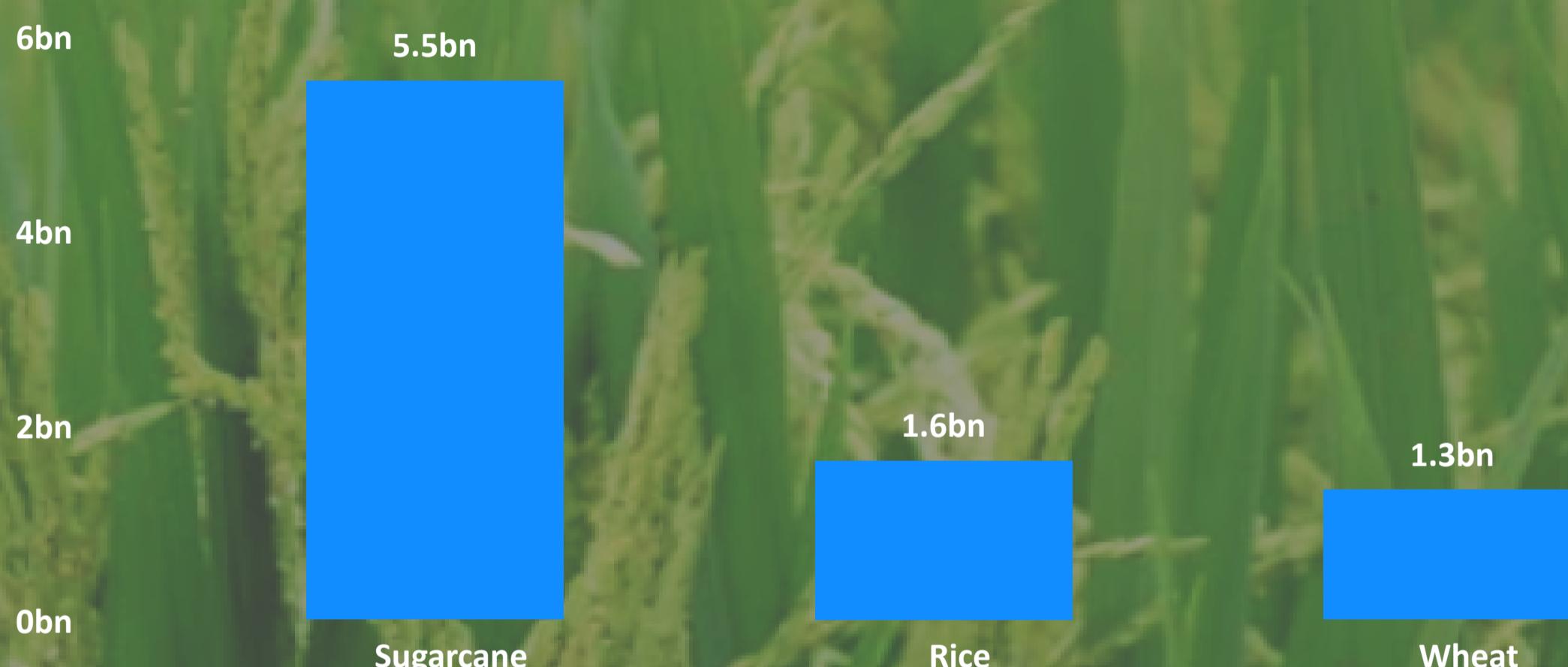
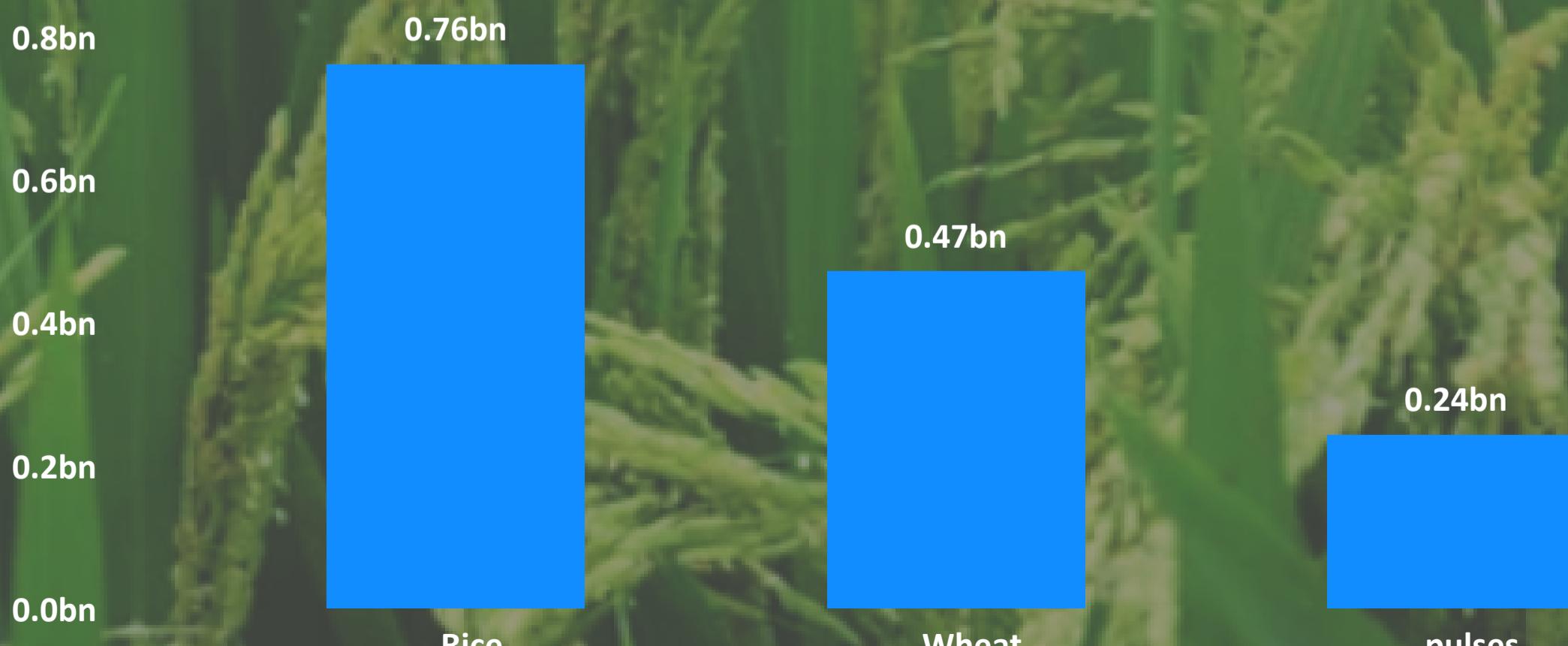


Years

All



Clear Filter

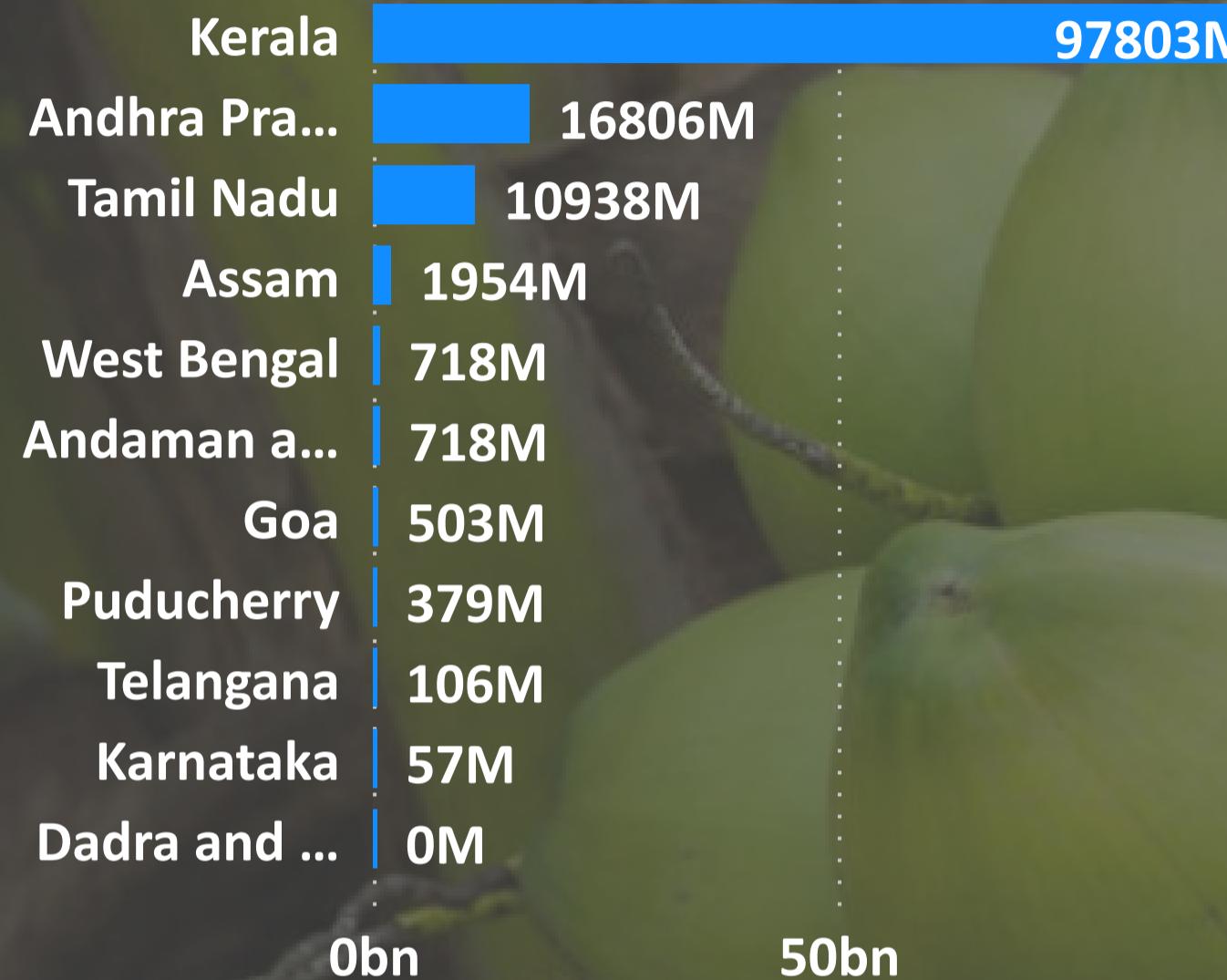
Top 3 District in a State by Crop Production**Top 3 Crops in a State by Production****Top 3 District in a State by Cultivation Area****Top 3 Crops in a State by Cultivation Area**



Back to District

- Top 3 Districts in production and cultivation area belongs to Utter Pradesh.
- In Every state some Districts are Dominating in Production and cultivation area like
 - In West Bengal - Murshidabad, Midnapur west, Bardhaman Are Dominating
 - In Utter Pradesh - Muzzfer Nagar, Kheri, Bijnor.
- If variety of crops are higher in state Dosent mean maximum production will come from same state.
- Karanatka is having highest counts of Crops but maximum production comes from other state lowest variety of crops belong from Chandigarh.
- 38 different types of crops are cultivating in 646 districts of India.

Coconut Production By State



130bn
Total Production
28.34M
Total Area

Coconut Production By Zone

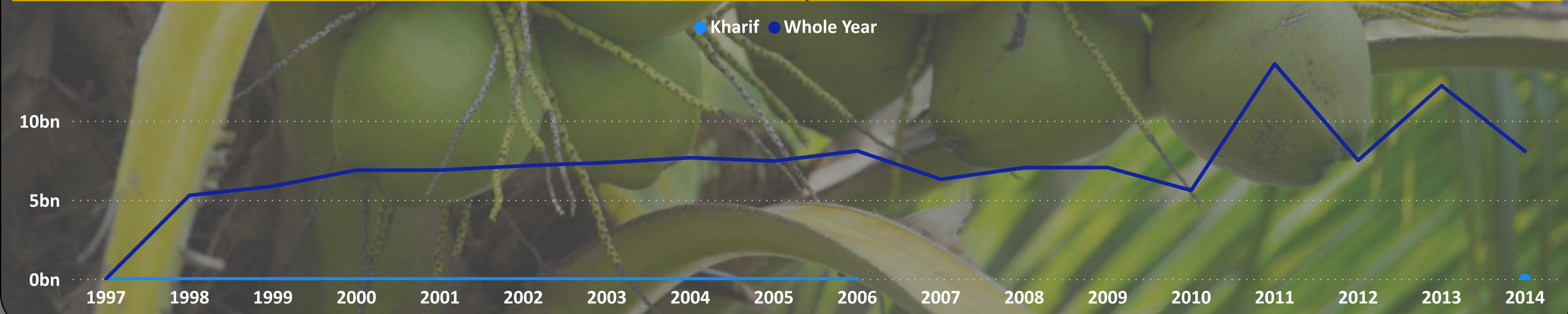


Zone

- Select all
- East India
- South India
- Union Terr...
- West India

Coconut Production By Year and Season

● Kharif ● Whole Year

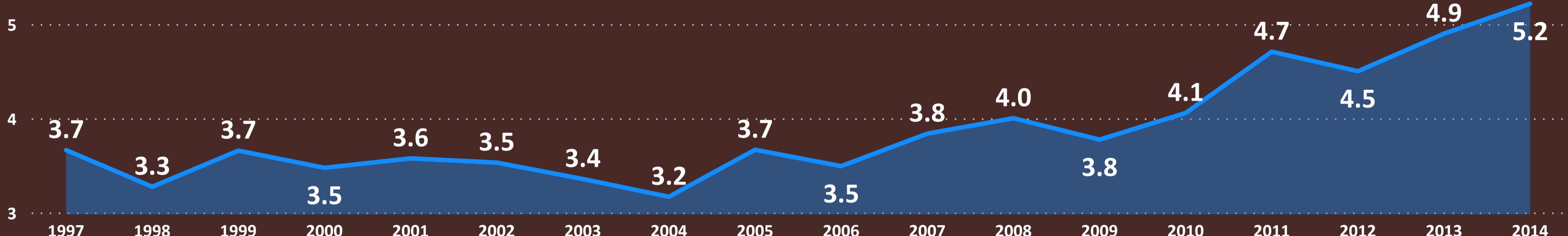




Back to Coconut

- Coconut is having highest production of India.
- North Zone is having zero production of coconut.
- South zone is having highest coconut production.
- Kerala is having maximum production in South Zone which is approximate 75% of total coconut production.
- Assam is having maximum production in East Zone.
- Goa is having maximum production in West Zone.

Area Production Yield by Crop_Year

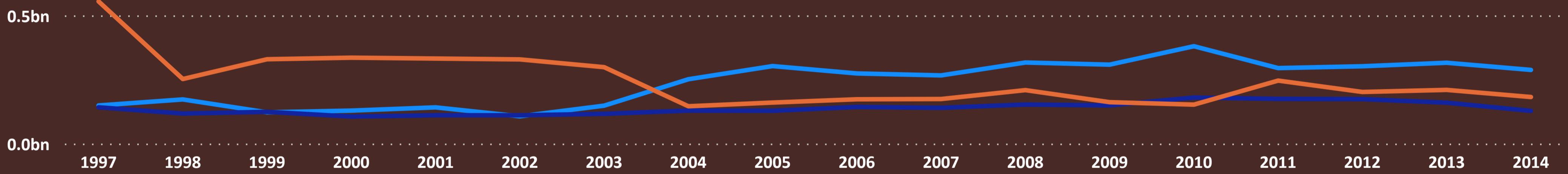


Clear Filter

Crops

All

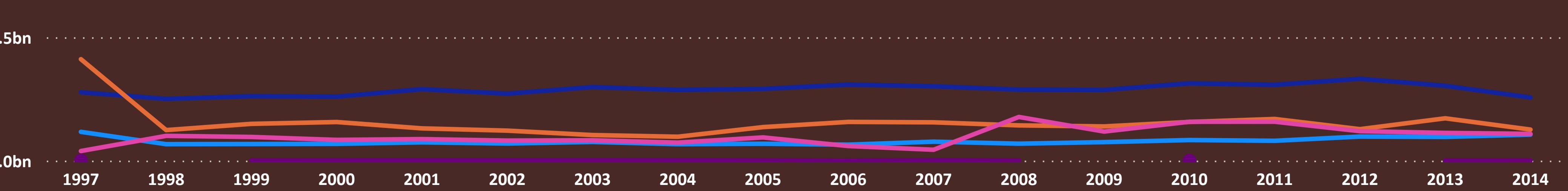
Sum of Production by Crop_Year and Season

● Kharif ● Rabi ● Whole Year


Crop

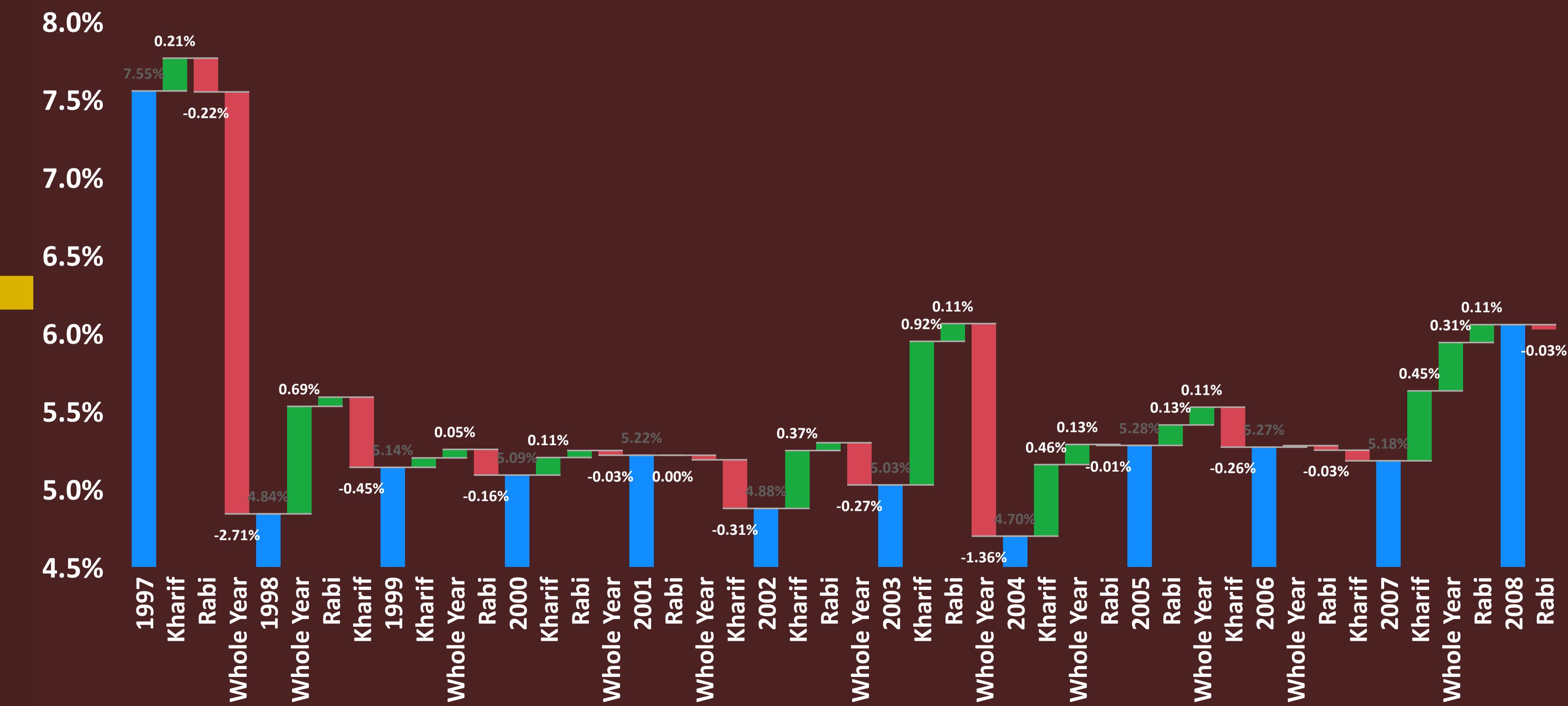
- East India
- North India
- South India
- Union Territory
- West India

Sum of Production by Crop_Year and zone

● East India ● North India ● South India ● Union Territory ● West India


Back to Time Series

- Sugarcane, Potato, Coconut is having highest yeilds (production/crop) among all crops.
- Total production and Total Cultivating area of India is decreasing continuously after year 2010.
- Crops whose yield is maximum, those crops generally sown in whole year season.
- Crops whose Production is higher are also having higher yield.
- North Zone has highest production in all years among all Zone.
- Union Territory is having lowest production in all years among all Zones.
- South Zone is having maximum production in whole year season.
- North Zone is having maximum production from 1997 to 2003 in whole year season and from year 2003 to 2014 in kharif season.
- West Zone is having highest production in whole year season and East Zone is having highest in Rabi Season.

Clear Filter**Crops****All****Production Breakdown Over the Year****Season**
● Increase
● Decrease
● Total
● Other


Back to Production Breakdown

- Maximum growth in production was in between year 2007-2008.
- Maximum downfall of growth was in year 1997-1998.
- Production of North Zone is decreased and West Zone, Union Territory production increased.

• **production In** Whole Year Season declined continuously after the year 2003 but **production In** Rabi and Kharif Season increased after year 2003.

State_Name	Sum of Area	Sum of Production
+ West Bengal	215,098,683.87	680,063,173.70
+ Uttarakhand	18,792,007.00	132,177,355.00
+ Uttar Pradesh	433,622,306.00	3,234,492,662.70
+ Tripura	4,641,609.00	12,522,917.00
+ Telangana	81,223,394.00	229,474,938.00
+ Tamil Nadu	91,565,910.00	1,138,700,393.93
+ Sikkim	1,458,626.00	2,332,319.00
+ Rajasthan	268,501,735.00	281,320,270.50
+ Punjab	126,713,686.00	586,385,001.00
+ Puducherry	517,251.00	5,585,502.00
+ Odisha	105,329,069.00	154,072,421.40
+ Nagaland	6,049,106.00	12,751,048.00
+ Mizoram	993,625.17	1,661,499.83
+ Meghalaya	4,035,028.00	12,112,496.00
+ Manipur	2,006,817.00	5,230,867.00
+ Maharashtra	322,177,337.00	1,263,640,606.20
+ Madhya Pradesh	329,573,199.00	448,840,738.66
+ Kerala	14,968,740.01	75,583,017.40
+ Karnataka	196,199,895.00	806,662,710.39
+ Jharkhand	9,391,046.23	10,777,741.75
+ Jammu and Kashmir	9,143,156.00	13,288,755.30
+ Himachal Pradesh	10,002,845.00	17,805,168.60
+ Haryana	89,451,473.00	381,273,890.00
+ Gujarat	154,914,124.00	524,291,337.00
+ Goa	1,052,657.50	2,643,198.58
Total	2,913,695,431.93	11,186,108,915.70

Crop	Average of Area	Average of Production	Area Production Yield
Areca nut	3,985.57	13,603.72	3.41
Bajra	12,216.14	11,631.25	0.95
Banana	1,689.58	47,078.83	27.86
Barley	2,552.12	5,424.10	2.13
Cashewnut	5,092.58	2,410.87	0.47
Castor seed	3,988.66	4,894.77	1.23
Cotton	35,892.86	68,089.99	1.90
Dry chillies	1,563.87	2,767.11	1.77
Dry ginger	405.00	3,366.87	8.31
Fruits	1,718.83	12,564.95	7.31
Garlic	581.83	2,733.68	4.70
Gram	16,594.52	12,835.26	0.77
Groundnut	11,836.25	12,877.75	1.09
Guar seed	24,861.65	10,144.41	0.41
Jowar	19,763.38	16,453.45	0.83
Jute	5,127.01	60,815.24	11.86
Linseed	1,450.47	584.76	0.40
Maize	8,884.17	19,992.87	2.25
Onion	902.77	10,372.71	11.49
other oilseeds	20,995.40	16,724.60	0.80
Other Spices	3,543.31	1,547.34	0.44
Other Vegetables	1,348.59	2,445.09	1.81
Potato	3,229.28	61,712.79	19.11
pulses	5,074.78	2,864.66	0.56
Rapeseed & Mustard	11,576.43	12,152.55	1.05
Total	12,335.45	47,357.63	3.84