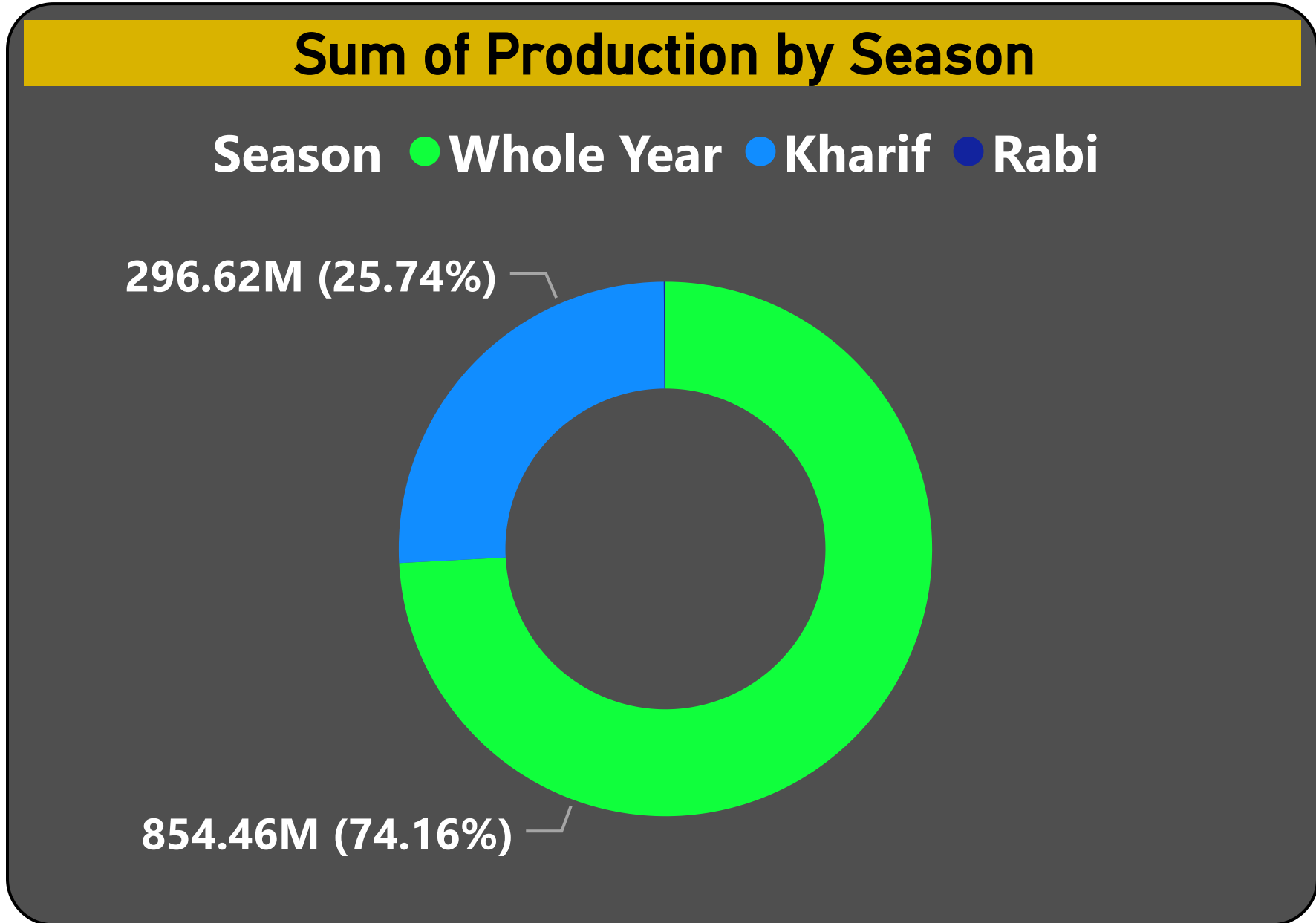
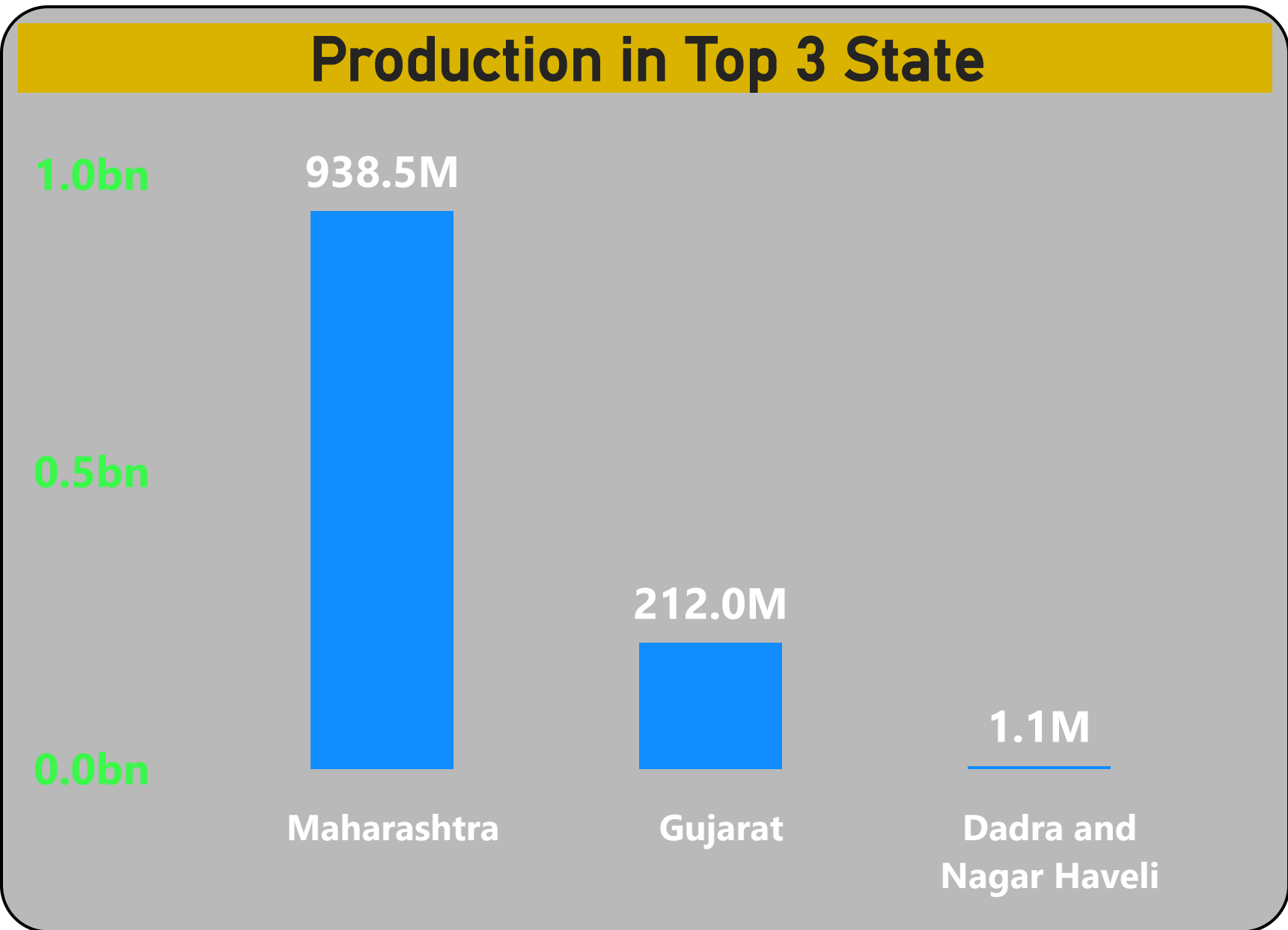


Problem Statement

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 Visualisation will be in this page)
- District Wise (District Wise Visualisation will be in this page)
- Time Series (How production is performing in all years)
- Metrics (Production is presented in form of numbers)
- Insight (Insight for Respective Page)



Total Production

1.2bn

Total Area

14.7M

Total Production

1.2bn

Total Area

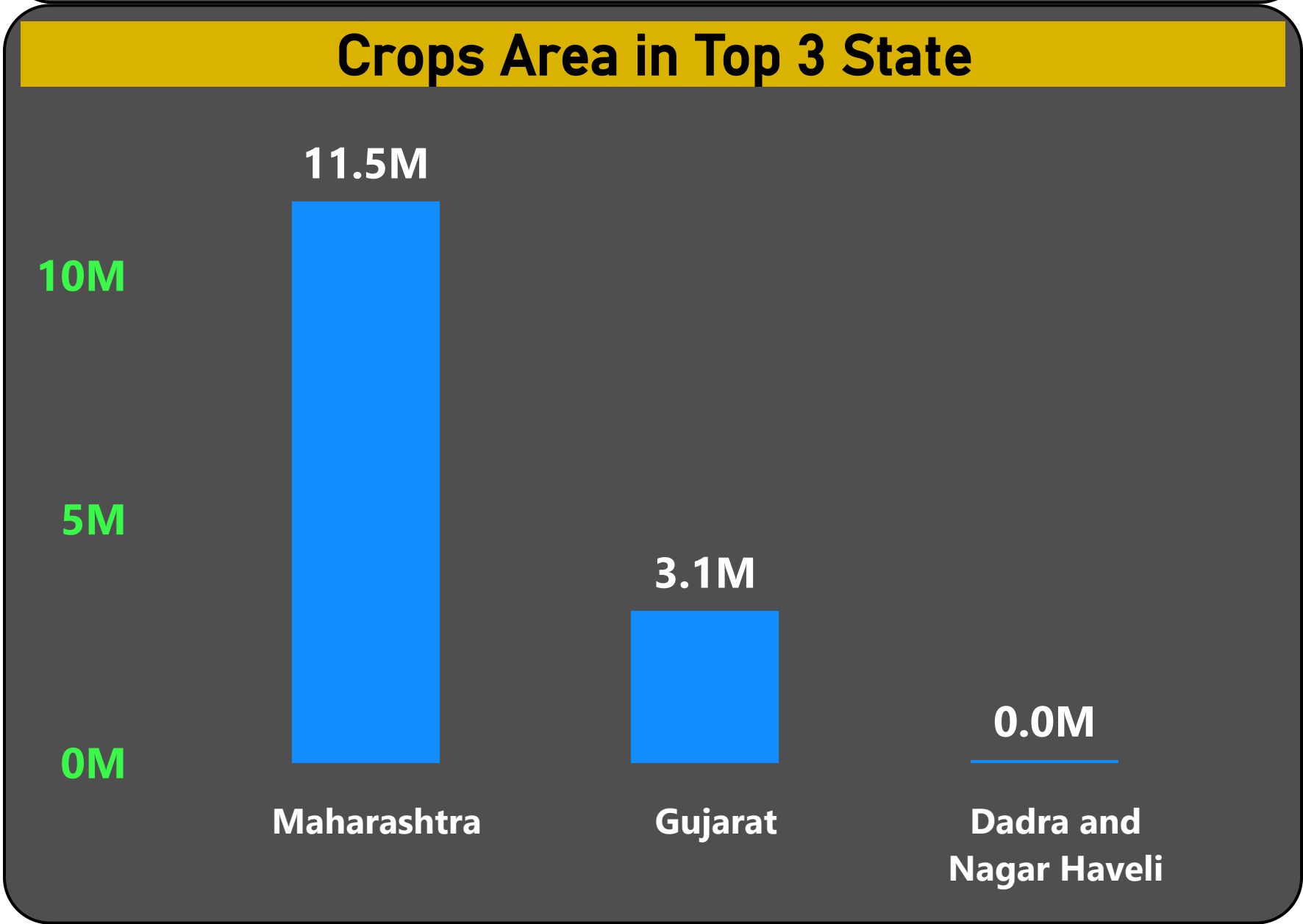
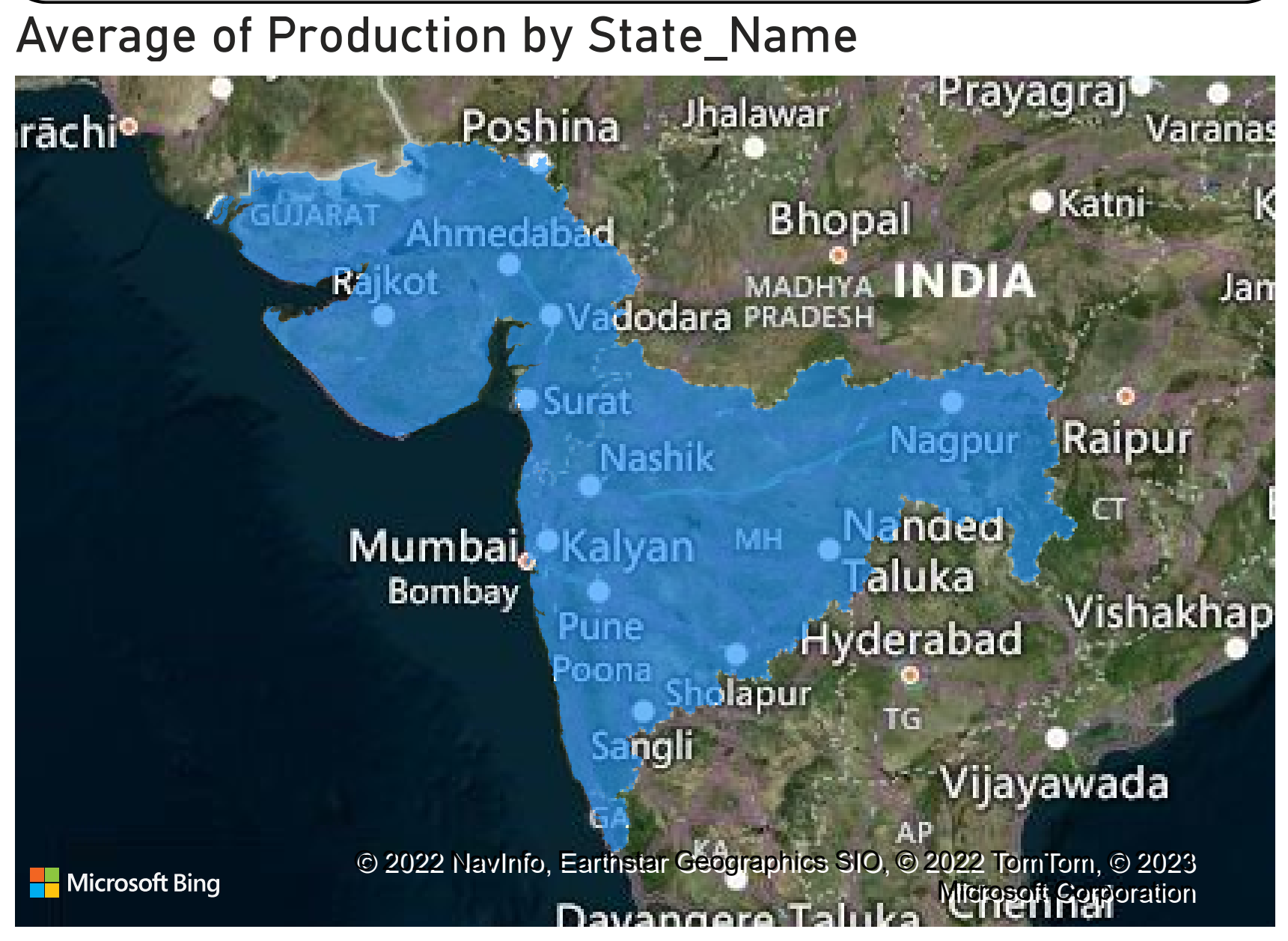
14.7M

Top 3 Crops of a year

Cotton

Sugarcane

Rice



Close Filter

Reset Filter

Filter

India Zone

☐ East India

☐ North India

☐ South India

☐ Union Territory

☒ West India

Crop Year

All

Top 3 crops as per Production in India

- . 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

13

Count of District Name

7.19M

Sum of Area

25.00M

Sum of Production

17

Count of Crop

Close Filter

Reset Filter

Filter

State_Name

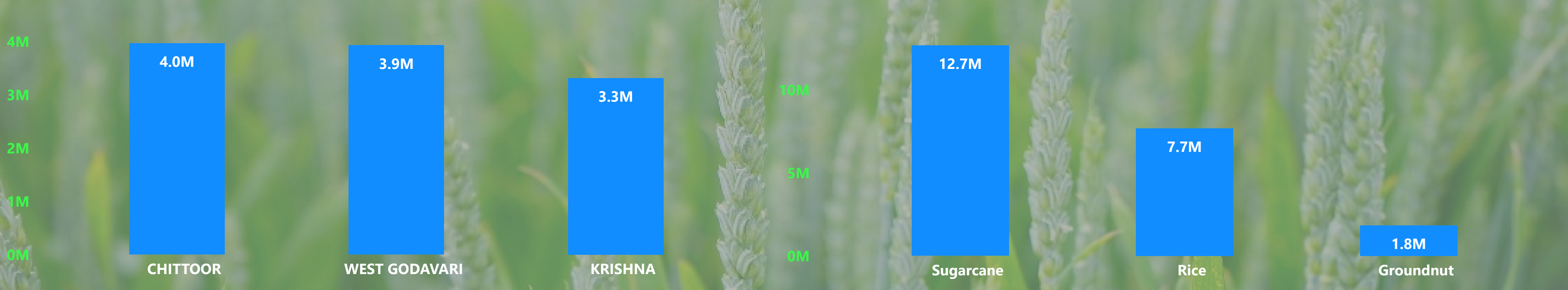
Crop_Year

Andhra Pradesh

1998

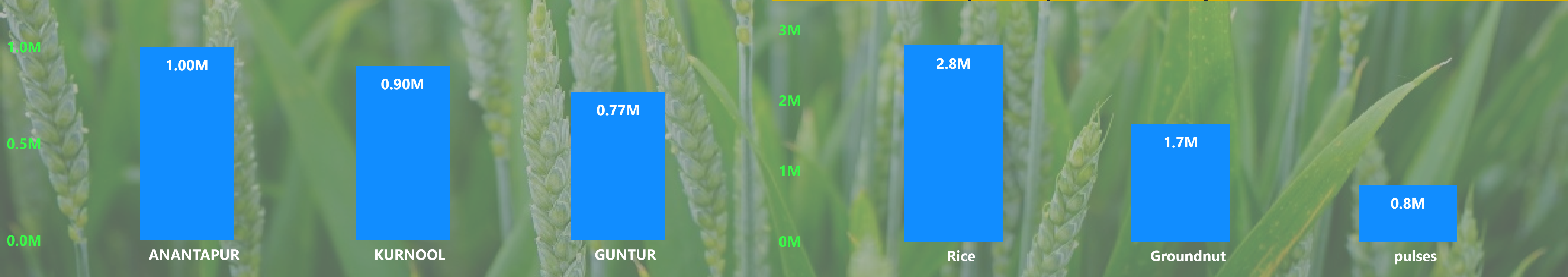
Top 3 District in a State by Crop Production

Top 3 Crops in a State by Production



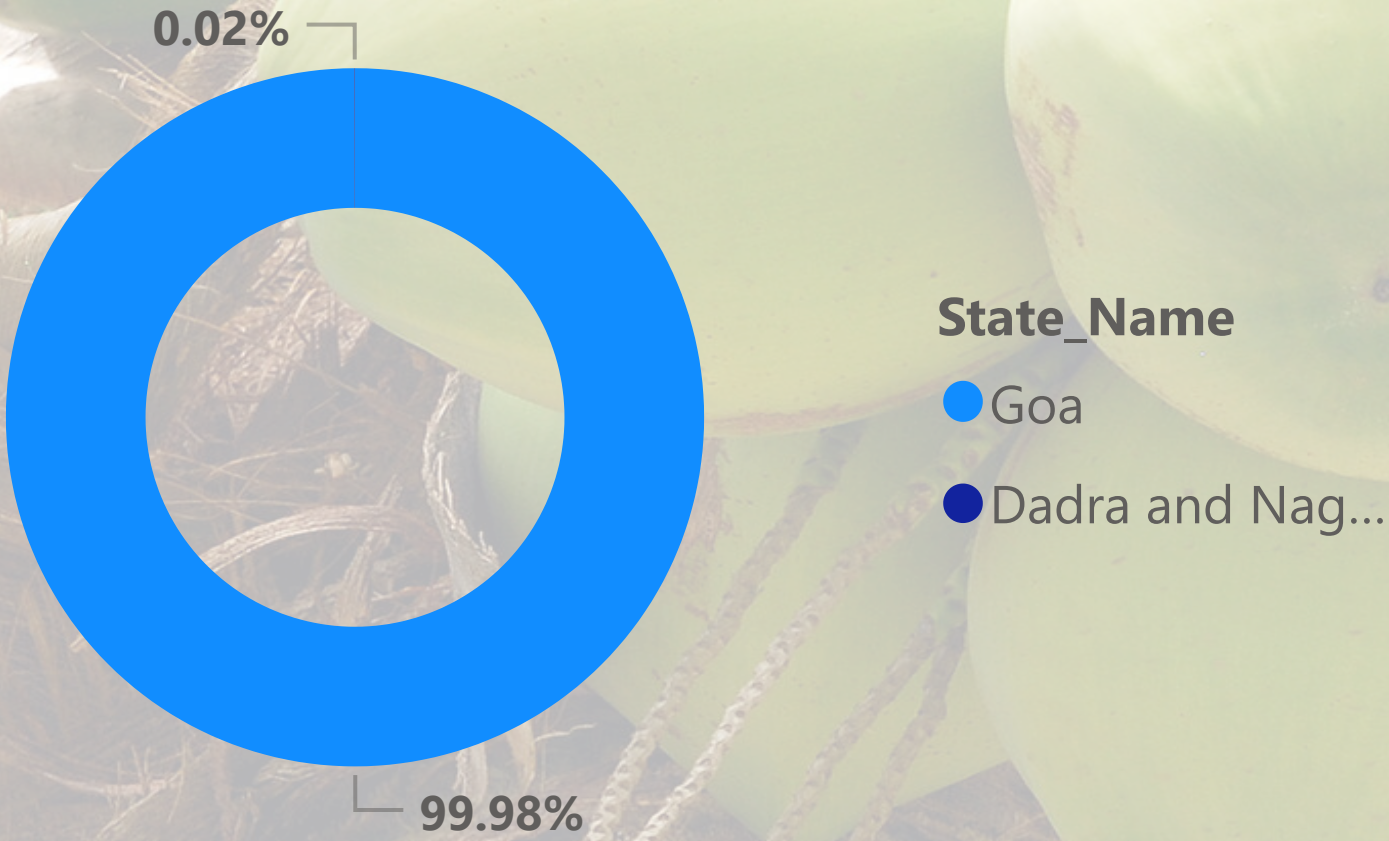
Top 3 District in a State by Cultivation Area

Top 3 Crops in a State by Cultivation Area



- Top 3 Districts in production and cultivation area belongs to Uttar Pradesh
- In Every state some Districts are Dominating in Production and cultivation area like
 - In West Bengal - Murshidabad, Midnapur west, Bardhaman Are Dominating
 - In Uttar Pradesh - Muzzfer Nagar, Kheri, Bijnor
- If variety of crops are higher in state Does not mean maximum production will come from same state
- Karnataka 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



503M
Sum of Production

155K
Sum of Area

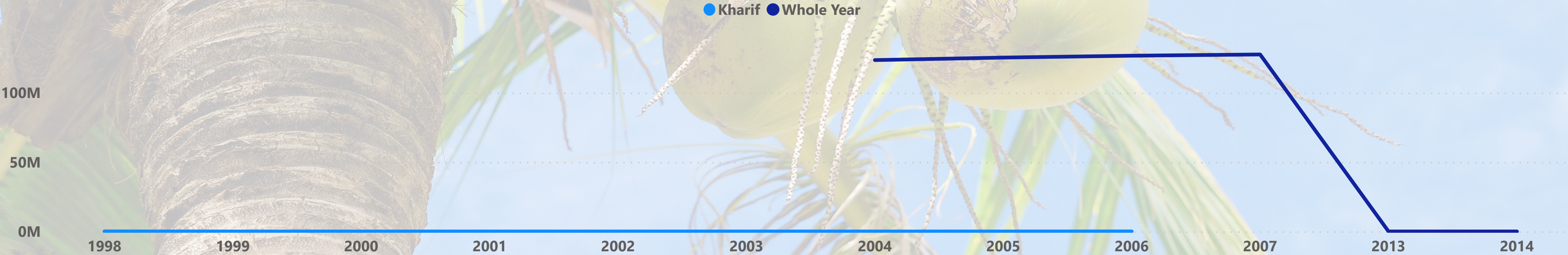
Coconut Production by Zone



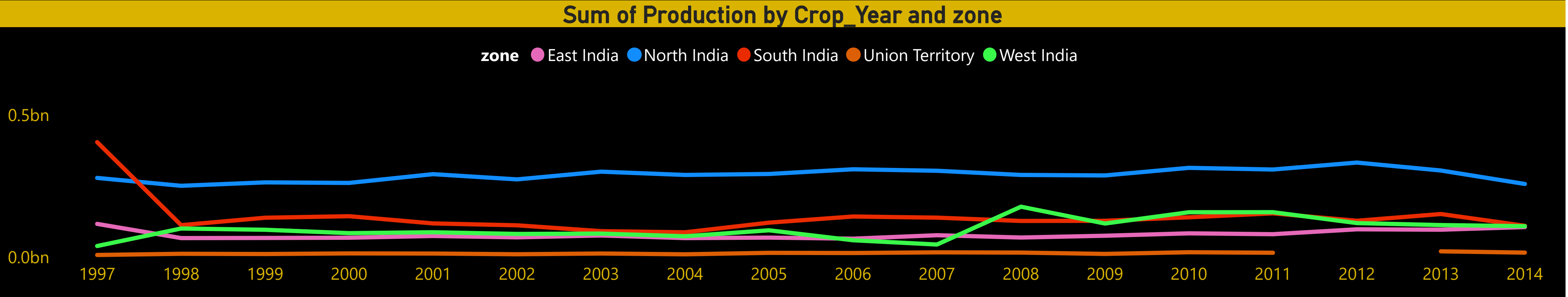
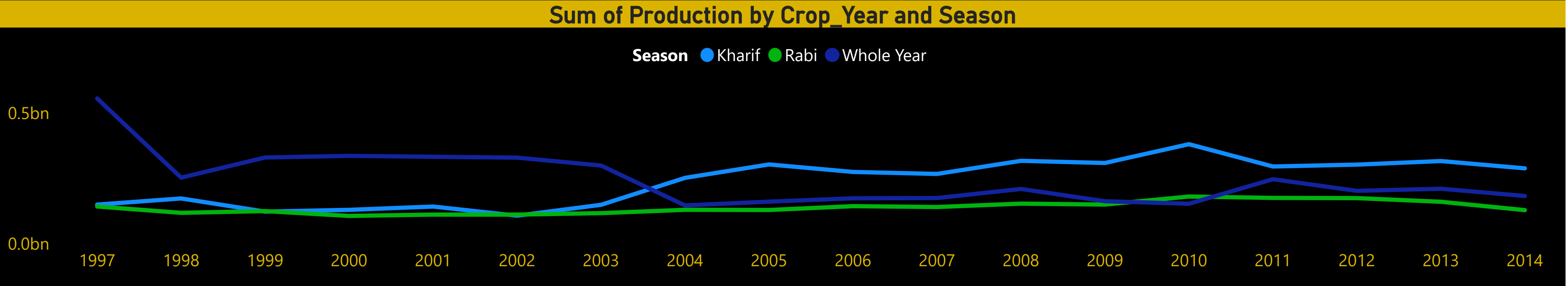
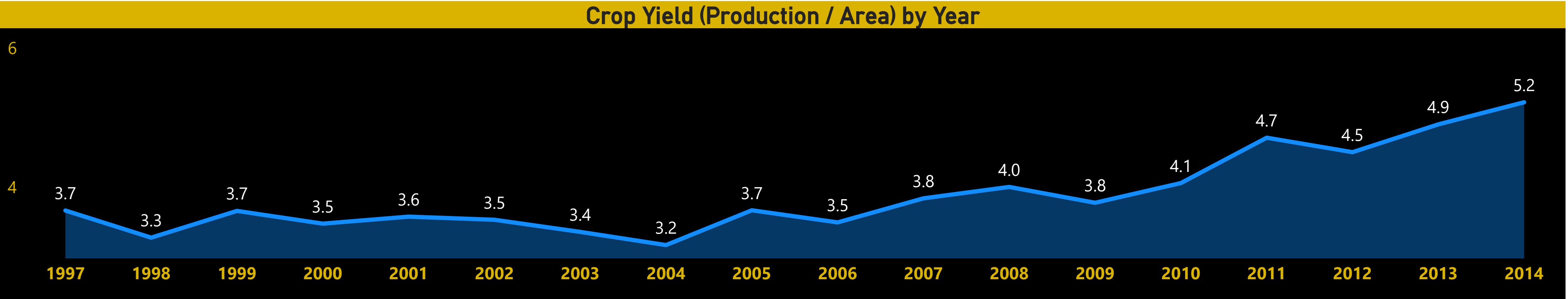
India Zone

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

Coconut Production by Crop_Year and Season



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



Filter

Crop's

All

Zone

East India

North India

South India

Union Territory

West India

- 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

Filter

Close Filter

Clear Filter

Crops

All

Season

☐ Kharif

☐ Rabi

☐ Whole Year

Zone

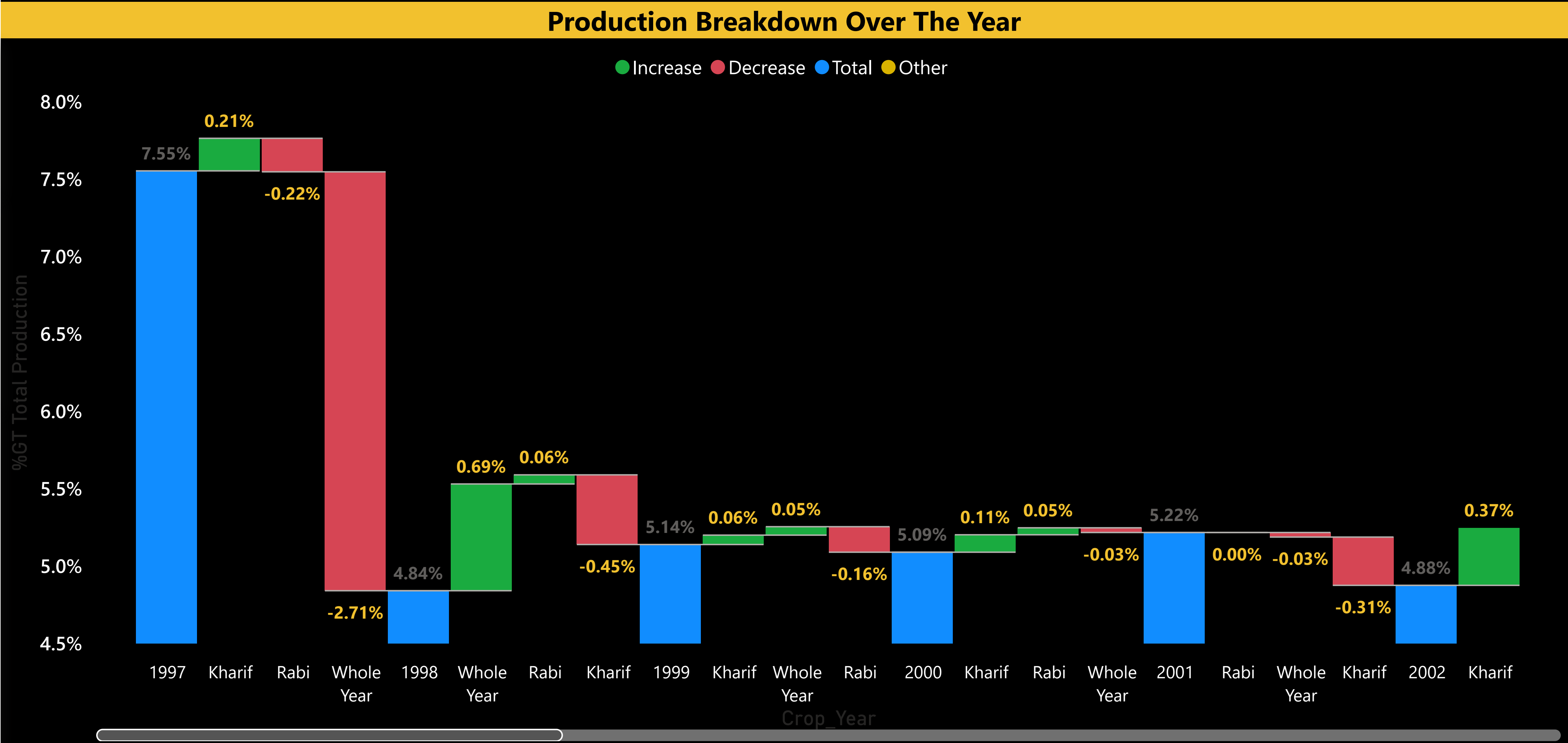
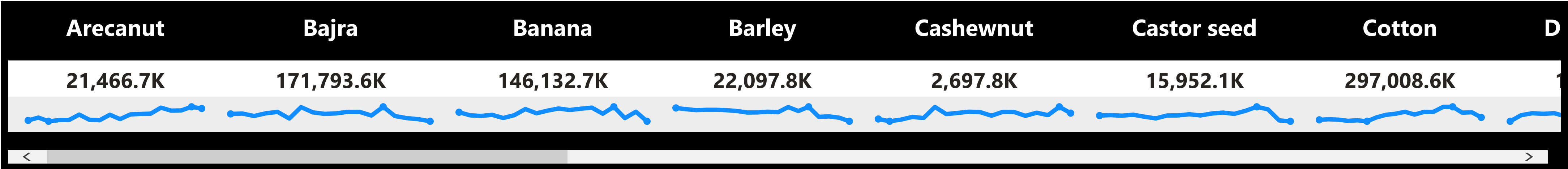
☐ East India

☐ North India

☐ South India

☐ Union Territory

☐ West India



- **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
<div><div></div>Uttar Pradesh</div>	433,622,306.00	3,234,492,662.70
KHERI	12,673,591.00	244,973,686.00
HARDOI	11,868,401.00	57,243,379.00
BUDAUN	11,530,734.00	59,104,456.00
SITAPUR	10,920,142.00	134,864,863.10
SHAHJAHANPUR	10,476,161.00	74,561,329.00
AZAMGARH	9,289,165.00	38,710,078.00
ALLAHABAD	9,274,343.00	22,513,315.00
BAREILLY	9,154,845.00	102,065,965.00
ALIGARH	8,625,127.00	36,795,821.00
BAHRAICH	8,613,305.00	37,045,089.00
JAUNPUR	8,279,988.00	30,758,890.00
GONDA	8,263,848.00	65,803,063.10
MORADABAD	8,073,046.00	86,227,783.10
UNNAO	7,994,761.00	19,654,381.00
JHANSI	7,769,822.00	9,948,895.10
ETAH	7,747,878.00	27,978,580.00
BARABANKI	7,715,424.00	35,046,928.00
BULANDSHAHR	7,665,952.00	76,359,869.10
BANDA	7,501,982.00	8,880,002.00
BIJNOR	7,258,722.00	240,569,068.00
GHAZIPUR	7,194,875.00	23,819,030.10
FATEHPUR	7,176,822.00	23,607,848.00
LALITPUR	7,175,024.00	9,014,879.00
AGRA	7,088,627.00	33,669,079.10
PILIBHIT	7,050,728.00	78,968,255.10
GORAKHPUR	7,013,477.00	20,486,667.10
RAE BARELI	6,977,601.00	17,842,834.00
MUZAFFARNAGAR	6,954,727.00	268,993,239.30
Total	2,913,695,431.93	11,186,108,915.70

Crop	Average of Area	Average of Production	area production yield
Sugarcane	9,844.10	710,904.75	
Tapioca	2,222.06	66,334.31	
Banana	1,689.58	47,078.83	
Potato	3,229.28	61,712.79	
Jute	5,127.01	60,815.24	
Onion	902.77	10,372.71	
Dry ginger	405.00	3,366.87	
Sweet potato	231.28	1,909.03	
Fruits	1,718.83	12,564.95	
Garlic	581.83	2,733.68	
Turmeric	656.51	2,395.73	
Arecanut	3,985.57	13,603.72	
Wheat	59,894.71	169,592.16	
Maize	8,884.17	19,992.87	
Rice	49,094.91	105,393.40	
Barley	2,552.12	5,424.10	
Cotton	35,892.86	68,089.99	
Other Vegetables	1,348.59	2,445.09	
Dry chillies	1,563.87	2,767.11	
Total foodgrain	81,175.51	138,198.95	
Tobacco	2,456.99	3,980.34	
Sannhamp	124.14	176.04	
Castor seed	3,988.66	4,894.77	
Groundnut	11,836.25	12,877.75	
Rapeseed &Mustard	11,576.43	12,152.55	
Soyabean	42,701.21	44,728.49	
Bajra	12,216.14	11,631.25	
Jowar	19,763.38	16,453.45	
Total	12,335.45	47,357.63	