



Analyzing crop data for better harvest and bigger profit

Summary

Weather & Fertilizer Impact

Regional & Crop Performance

STATE

All

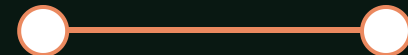
CROP

All

YEAR

1997

2020



Agro Yield Insights: Crop Production & Profitability Analysis

A Data-Driven Approach to Farming Success

Total Crop Production (MT)

323.7bn

Average Yield Per Hectare

0.3

Average Rainfall (mm)

1437.8

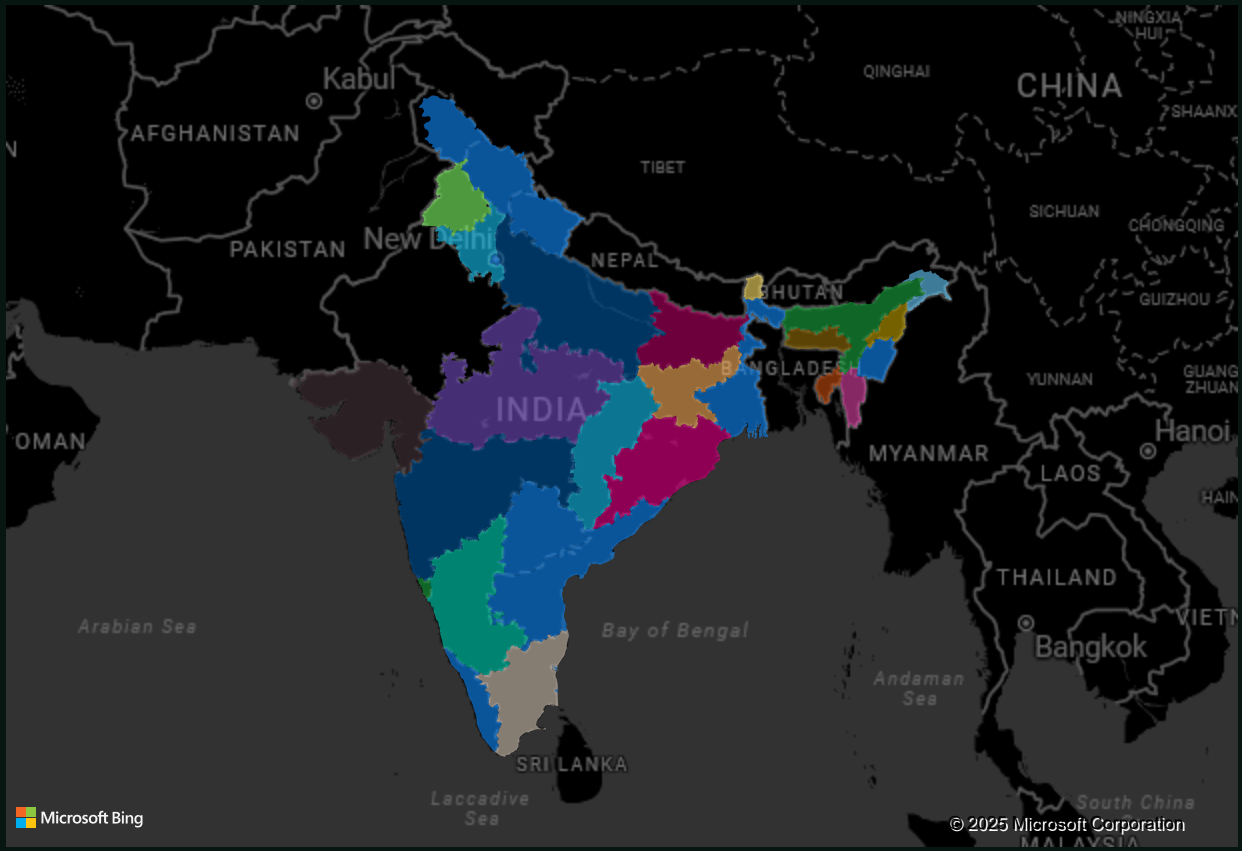
Total Fertilizer Used (Tons)

474.6bn

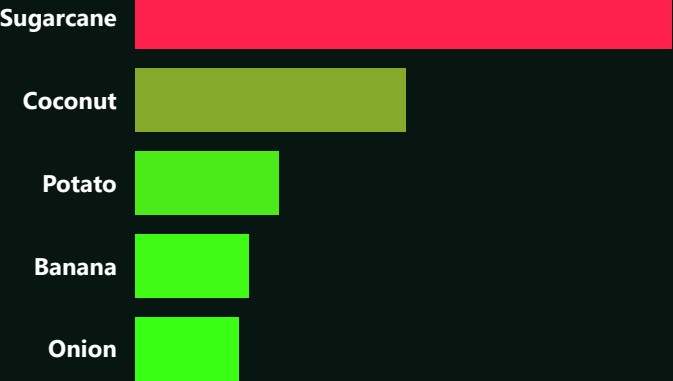
Total Pesticide Used (Tons)

961.8M

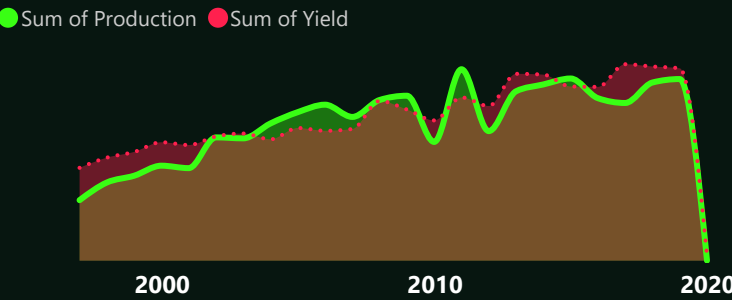
State-wise Production



Top-5 Crops by Total Yield



Yearly Production-Yield Trend





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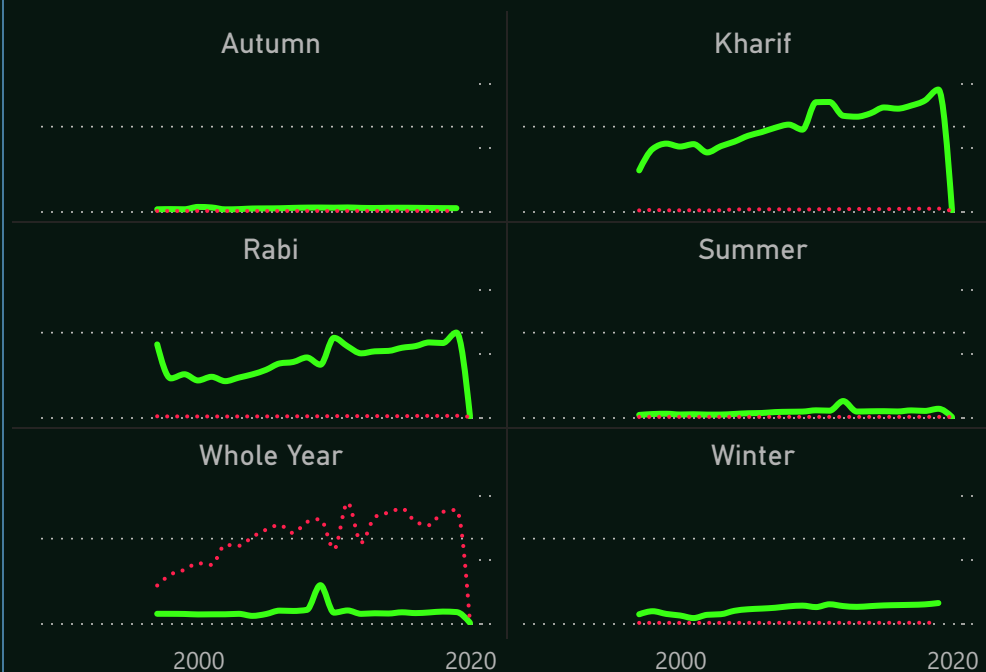
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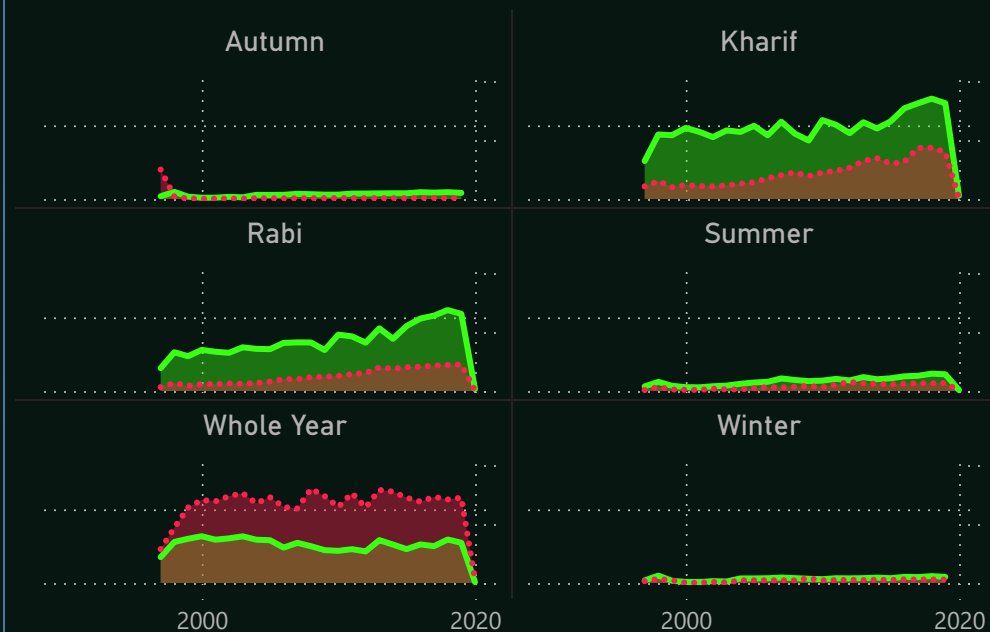
Sum of Fertilizer & Production Over Year & Season

● Sum of Fertilizer ● Sum of Production



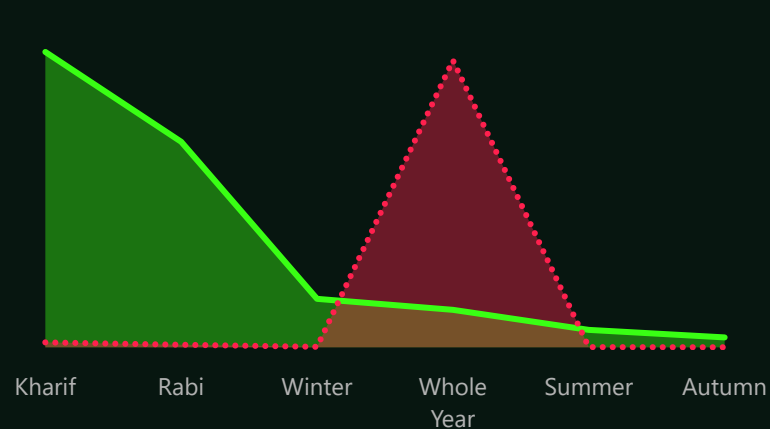
Sum of Annual Rainfall & Yield By Year & Season

● Sum of Annual_Rainfall ● Sum of Yield

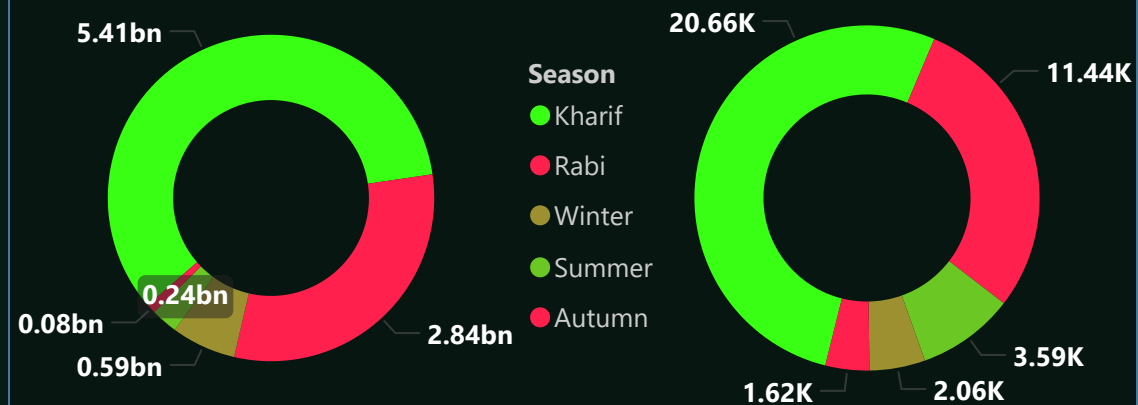


Sum of Pesticide & Production Over Season

● Sum of Pesticide ● Sum of Production



Sum of Production & Yield Over Season



SEASON

All

CROP

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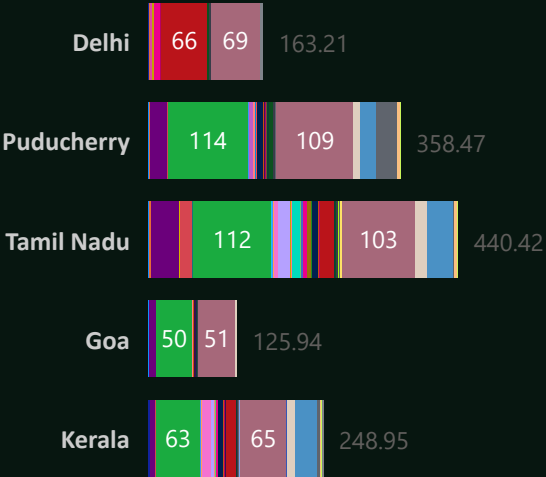
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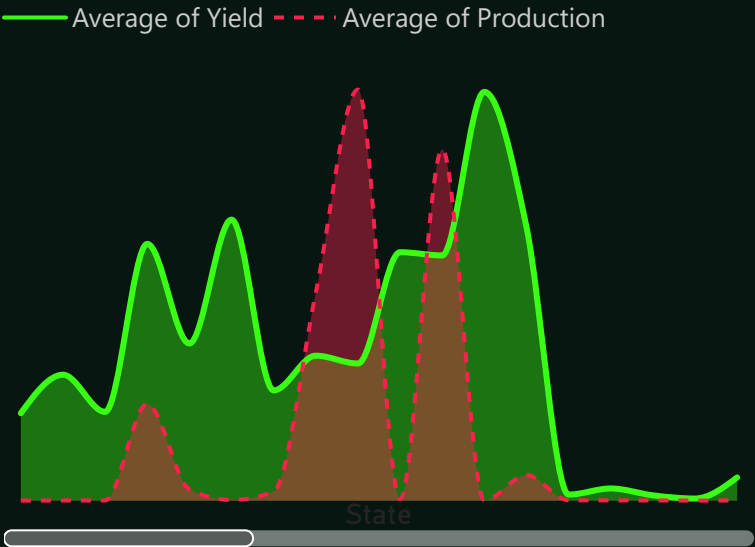
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Regional & Crop Performance

Crop-wise Average Yield across States



Average Yield & Production vs Crop across States



Top Performing State
Kerala

Best Production Crop
Coconut

Total Production
323.7bn

Production by Crop



State vs Crop - Yield per Hectare

State	Arecanut	Arhar/Tur	Bajra	Banana	Barley	Black
West Bengal	0.23	0.27	0.27		0.27	
Uttarakhand		0.27	0.24		0.27	
Uttar Pradesh		0.28	0.27	0.28	0.27	
Tripura		0.27				
Telangana		0.34	0.34	0.34		
Tamil Nadu	0.27	0.27	0.29	0.27		
Sikkim					0.27	
Punjab		0.27	0.26		0.27	
Total	0.27	0.27	0.27	0.27	0.27	

STATE

All

CROP

All

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