





### FRUITS & VEGETABLES AVAILABILITY MAPS OF INDIA

TITLE	Fruits & Vegetables Availability Maps of India		
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हरसिमरत कौर बादल Harsimrat Kaur Badal



खाद्य प्रसंस्करण उद्योग मंत्री भारत सरकार MINISTER OF FOOD PROCESSING INDUSTRIES GOVERNMENT OF INDIA

### **MESSAGE**

The Food Processing Industry in India rests on strong pillars of the Indian economy - Agriculture and Manufacturing, which are the key sectors of a developing nation. A strong integrated policy is required to overcome all the challenges that the industry is facing today. There is a need to map required interventions in terms of storage facilities, logistics and processing units at the right place for the right commodity. Towards this, there is a need to prepare National Food Grid, which shall help in ensuring availability of food in every part of the country throughout the year. For this vision, we need thorough planning, strong backup data and rigorous ground work to understand the challenges and modalities of food production, surplus and deficiency.

The first step towards this Food Grid is this "Fruits & Vegetables Availability Maps of India Booklet" which puts forth an overview of the production and availability scenario of key food commodities in the country. The content of this booklet gives an insight on what is grown where as well as the surplus and deficit status of various commodities at the national as well as state level.

I am grateful to YES BANK with whom we have jointly developed this document. I hope that this booklet proves to be functionally handy and gives a more logical & planned touch to interventions by industry in the food processing sector.

(Harsimrat Kaur Badal)

Dated: 9 DEC 20%

Place: New Delhi



### FOREWORD

Food Processing, a USD 180 Bn industry in India, growing annually at close to 9%, contributing to 13% of the national exports and employing 60% of India's working population directly or indirectly, has all the ingredients to catapult India into a virtuous cycle of sustainable development, inclusive growth and lower food inflation. However, with only 3% of the overall gross bank credit, 2.6% of overall FDI inflows and a mere USD 28 billion of fixed capital deployment, the true potential of this highly significant sector still remains untapped.

This is all the more predominant and critical for perishables which constitute half of India's farm produce. Within perishables, fruits and vegetables constitute around 60% but processing levels are at 2% only. Value chain interventions from financial institutions for farm gate, post harvest management, modernization and capacity expansion in Food processing and its eco system with right policy & regulatory enablers in place, are essential for maximizing sustainable development and economic growth for the nation.

Additionally, roll out of appropriate GST reforms, alignment of priority sector lending norms to the farm & industry needs, enhanced incentives for industry development and further promotion of FDI in the sector are some of the key measures that shall enhance credit flow and investments in the sector in a big way. These initiatives coupled with financial inclusion will not only benefit the rural economy but also create a multiplier impact on other high-growth sectors such as Manufacturing, Healthcare and Tourism amongst others, which have significant employment generation potential.

YES BANK, in partnership with the Ministry of Food Processing Industries, Government of India (MoFPI) is organising the **National Conference on Spurring Financing & Investments in the Food Processing Sector** to deliberate on the potential and challenges of India's Food Processing industry. On this occasion, I am pleased to present the YES BANK-MoFPI **'Fruits & Vegetables Availability Maps of India'** which provides an extensive review of the production and availability scenario of major commodities produced in India at the National as well as State levels.

I am confident that this joint publication will be a useful reference for Industry, the Government and policy makers for long-term planning and development of India's Food Processing industry.

Sincerely,

tan

Rana Kapoor
MD & CEO YES BANK

## THE CONCEPT OF FOOD AVAILABILITY MAP

Food processing coupled with allied interventions including post harvest management, cold-chain, logistics & distribution are the building blocks of an integrated and efficient food supply chain for any country. In order to appropriately plan for these key interventions, visualize production patterns of important crops as well as assess the surplus or deficit of availability of prominent crops, among others, are critical for planning any well conceived nation-wide food infrastructure and supply chain roll out arrangement.

The Food Availability Map is a step in this direction wherein at the national level, prominent food commodities that form a major part of the daily consumption basket of our population and at the state levels, prominent fruits & vegetables have been mapped for production. Availability estimates for all maps have been derived on the basis of consumption figures from the NSSO data.

The maps in this booklet shall be a handy tool for designing a national food grid for the country for planning targeted supply interventions in specific commodities and geographies from production, processing, cold chain, logistics & distribution perspectives. This shall have far reaching benefits for optimally planning activities and investments in specific commodities, geographies and interventions across production, consumption and intermediate value addition levels.



### **FOOD AVAILABILITY MAPS: ARCHITECTURE**

Map Title	Commodity Selection Criteria	Data Points
Food Availability Overview of India	22 commodities,     constituting over 60%     of the national agri     production account for     more than 50% of the Food     Inflation CPI	For every commodity
	<ul> <li>All major agri commodity classes are covered -         Cereals, Oilseeds, F&amp;V,         Meat, Poultry, Fish and         Dairy</li> <li>Form a prominent part of daily food consumption basket of Indian consumers</li> </ul>	Also includes: Mapping of  Cold storage gap Registered Geographic Indications  Graphs for Annual food wastages Current food processing levels across major perishables State wise share of food processing industries
Fruits and Vegetables Availability Maps of India	30 commodities (15 fruits & 15 vegetables) constituting over 85% of the F&V production in India	<ul> <li>For every commodity*</li> <li>Top 3 production states</li> <li>Top 3 surplus states</li> <li>Top 3 deficit states</li> </ul>
State Wise Fruits & Vegetables Availability Maps	Top 5 fruits and top 5     vegetables produced for     every state	In each state  Top 5 fruits produced  Top 5 vegetables produced  Top 3 surplus & deficit fruits  Top 3 surplus & deficit vegetables  Also includes:  Mapping of  Cold storage gap  Registered Geographic Indications  Major ICAR Institutes  State Trivia**

<sup>\*</sup> For every commodity for which the NSSO data is available.

<sup>\*\*</sup> State trivia are not specific to Fruits and Vegetables only. All production data in the booklet are in lakh MT.

### HOW TO READ THE MAP



The production data in the map is represented through icons enclosed in a yellow boundary. The production figures have also been mentioned besides these icons in Lakh MT.

### **Surplus and Deficit**

The green and red boundary icons represent the surplus and deficit commodities in all maps. The surplus and deficit for each commodity has been calculated basis the difference between the production and consumption data for the identified commodities. The production data has been sourced from the official websites of the Department of Agriculture Cooperation (DAC), National Horticulture Board (NHB), Department of Animal Husbandry, Dairying & Fisheries (DAHD), state portals and the consumption data has been sourced from the latest available National Sample Survey Office (NSSO) data (68th round).

### **Cold Storage Gap**

The background of the National Food Production and Availability Map has been coloured with three different shades of blue, representing the intensity of cold storage gap. The data has been sourced from NHB.

### All Agri Based Geographic Indications (GI)

All major registered Geographic Indications (GI) for agri commodities have been marked on the National Food Availability Map as well as the respective state maps. The data has been sourced from the website of Intellectual Property India.

### **Major ICAR Institutions**

Major Indian Council of Agricultural Research (ICAR) Institutes and Directorates have been marked on respective State maps.



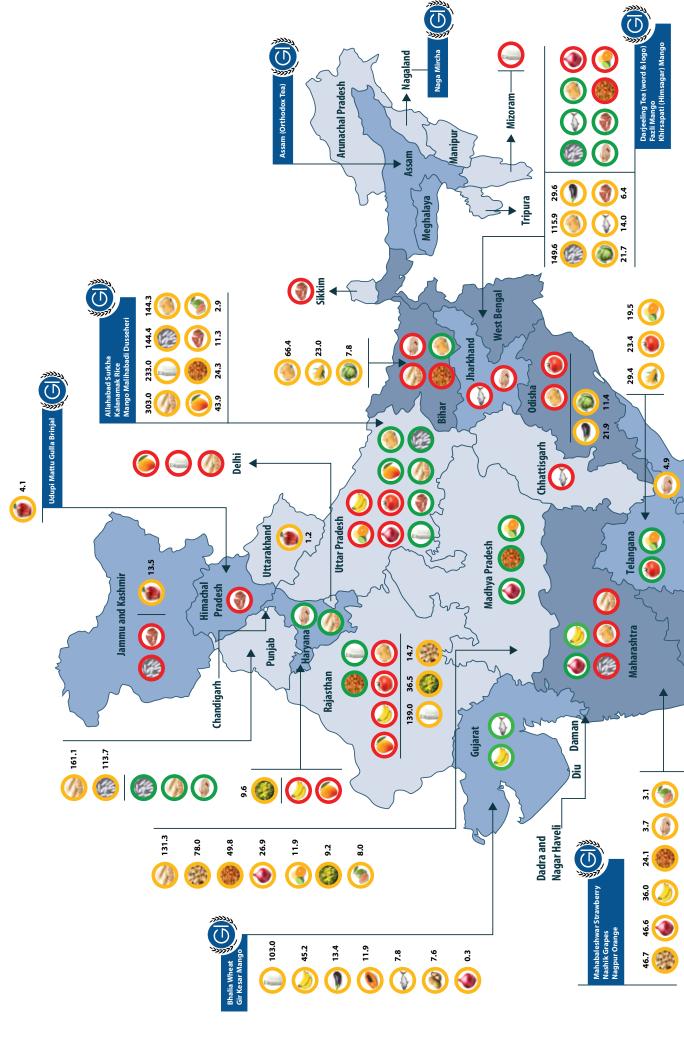
### **LIMITATIONS**

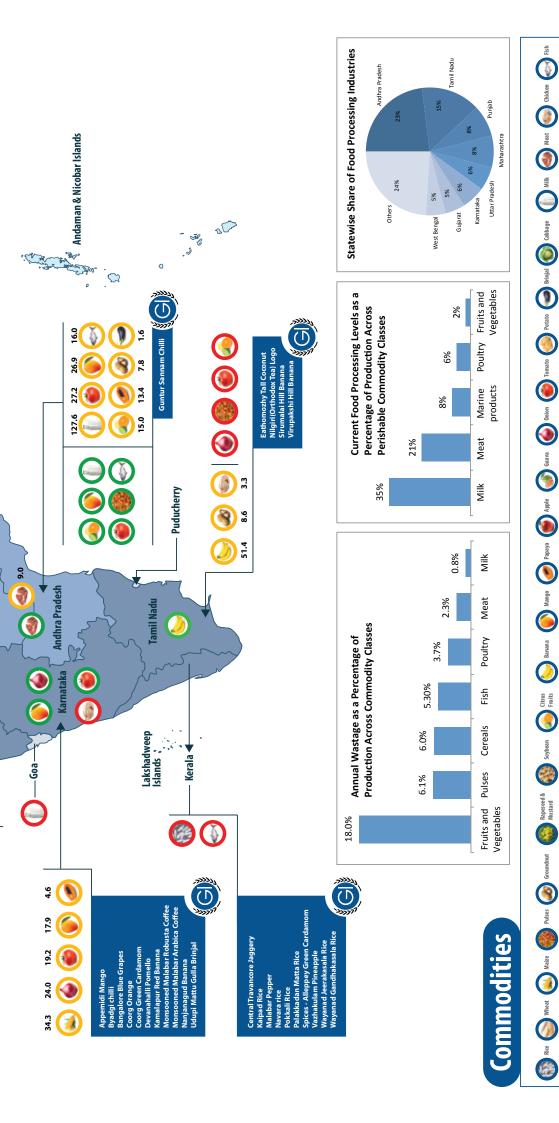
- Due diligence has been done to source data for the latest available years and from the most relevant websites.
   However, due to unavilability of the same, previous years' data has been used in some cases.
- The surplus and deficit has been calculated on the basis
  of the difference between production and consumption
  of the commodities and the processing amounts,
  wastages and trade numbers have not been factored
  into, due to unavailability of reliable data.
- The production & consumption numbers are generalized and may vary from time to time based on cyclicality and seasonality.
- Logical assumptions have been made in cases where data was unavailable.
- No investments/business decision are to be taken solely on the basis of information provided in the booklet.



# **FOOD AVAILABILITY OVERVIEW OF INDIA**







The Food Map highlights the top three surplus and deficit states for 13 commodities which constitute over 60% of the food production in India, covering all major agri commodity classes and form a prominent & integral part of daily consumption basket. These commodities also account for more than 50% of the food consumer price index.

Deficit **Surplus**  The map highlights the top three production states for 22 major commodities produced in the country.

Production (in lakh MT)

Low/Absent (upto 2) Medium (2 to 10) High (Above 10) Cold storage gap (in lakh MT):

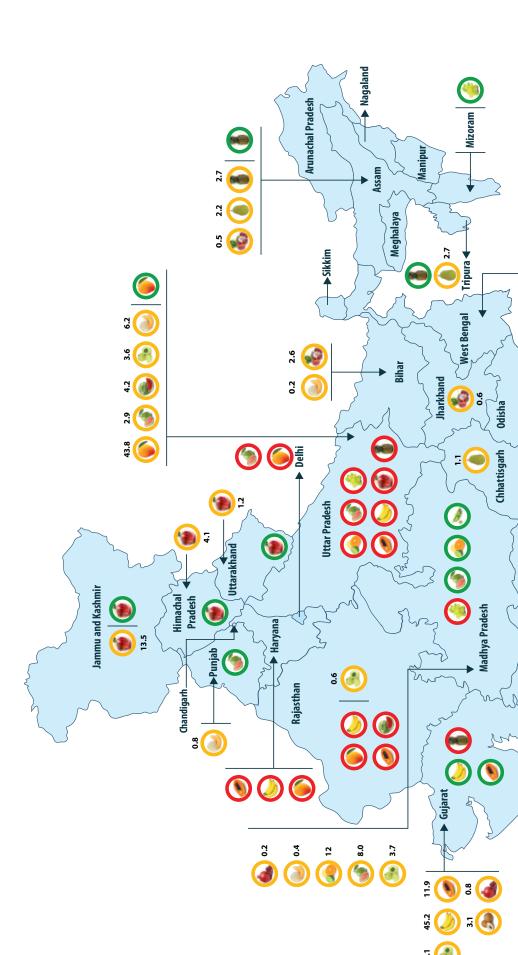
Geographical Indication

Due to unavailability of data for meat and chicken separately for A.P and Telangana, combined data has been considered.

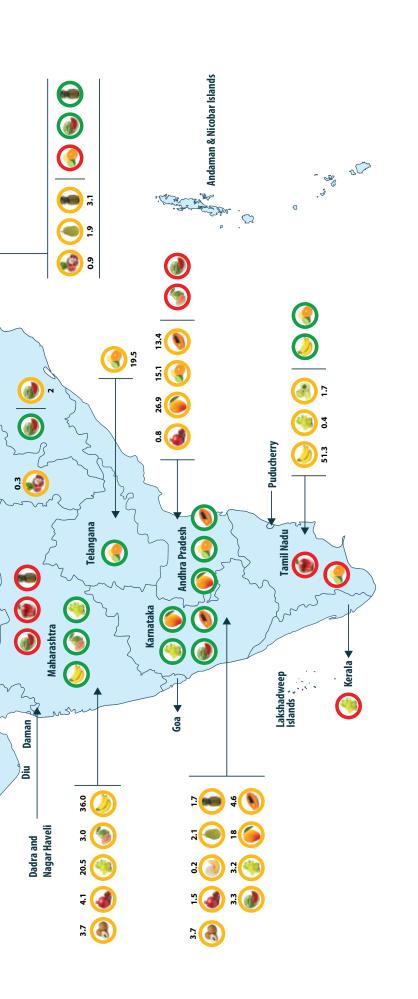
Sources: Ministry of Agriculture; National Sample Survey Office; National Horticulture Board; Department of Animal Husbandry, Dairying and Fisheries; Intellectual Property India



## **FRUITS AVAILABILITY MAP OF INDIA**







### Commodities



The map highlights the top three surplus and deficit states for 14 major Fruits produced in India.

Surplus Deficit

Production (in Lakh MT)

The map highlights the top three production states for 15 major Fruits, which constitute over 90% of the total Fruits produced in India.

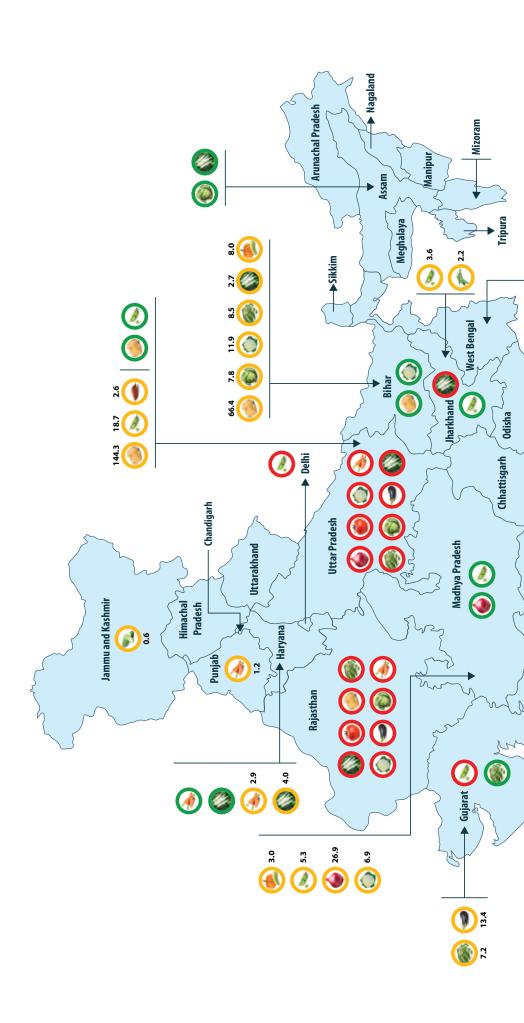
## Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

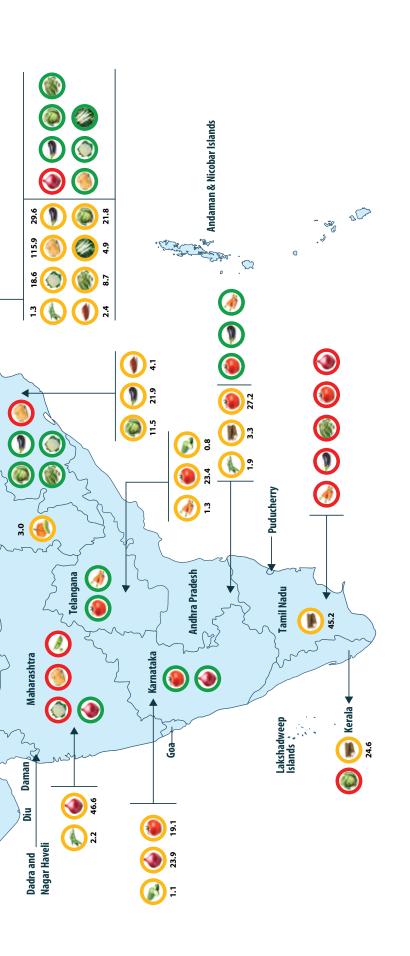
The MAPS depicted in the report are only pictorial representation of India and the States of India and do not purport to be the political map of India or its states and are not drawn to scale and so or damage, arising out of, or in connection with, any use of or reliance on the information from these maps.



# **VEGETABLES AVAILABILITY MAP OF INDIA**







## Commodities





























Production (in Lakh MT)

Deficit

Surplus

The map highlights the top three production states for 15 major Vegetables which constitute over 85% of the total Vegetables produced in India.

The map highlights the top three surplus and deficit states for 14 major Vegetables produced in India.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

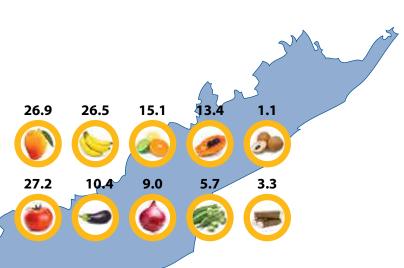


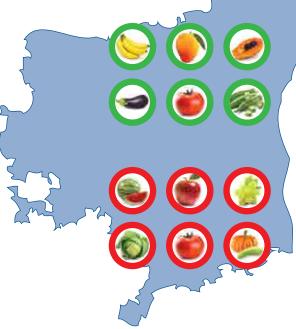


### **FRUITS & VEGETABLES AVAILABILITY MAP ANDHRA PRADESH**

### State Trivia

Andhra Pradesh, contributes to around 70% of shrimp production in India. The geographical location of the state allows marine fishing as well as inland fish production. Most exported marine exports include Vannamei Shrimps, which is currently the largest export earner in the seafood basket.







### **Commodities**





























Surplus

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

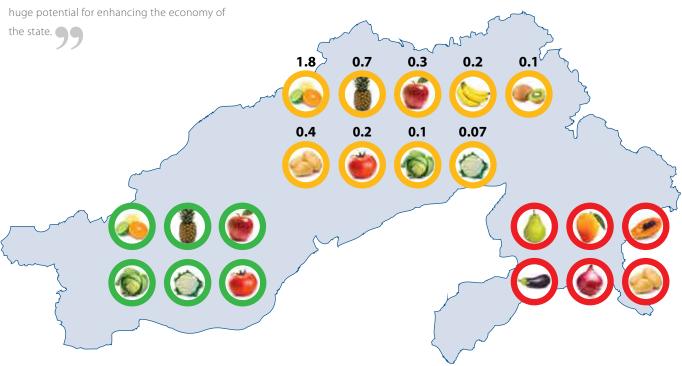




### **FRUITS & VEGETABLES AVAILABILITY MAP ARUNACHAL PRADESH**

### State Trivia

Arunachal Pradesh, which translates to the "land of the dawn-lit mountains", is also known as the Orchid State of India or the Paradise of the Botanists. The state is blessed with over 500 species of medicinal plants, which has a



### Commodities























The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & four Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

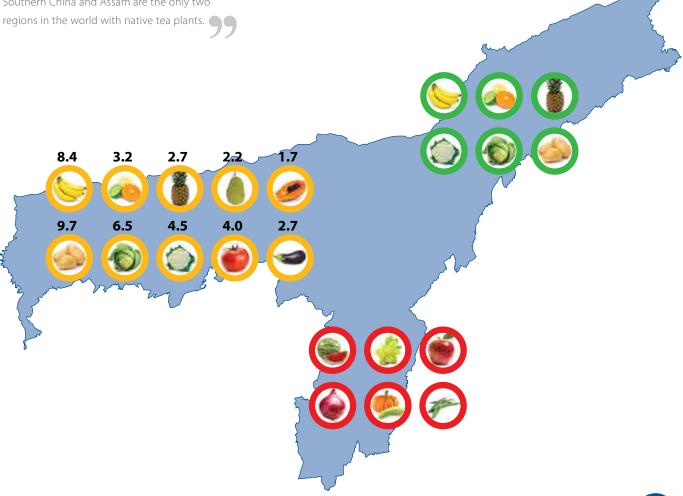




### **ASSAM**

### State Trivia

The state of Assam is the world's largest tea-growing region. Historically, Assam has been the second largest commercial tea production region after Southern China. Southern China and Assam are the only two



### Assam (Orthodox Tea)



### **Commodities**

































The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





### **BIHAR**

### State Trivia



The state of Bihar accounts for 45% of India's total Litchi production. Shahi Litchis from Muzaffarpur are famous within as well as outside India. Bihar also accounts for 90% of the world production of Makhana.



ICAR Research Complex for Eastern Region, Patna National Research Centre for Litchi, Muzaffarpur



### Commodities































Surplus

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals



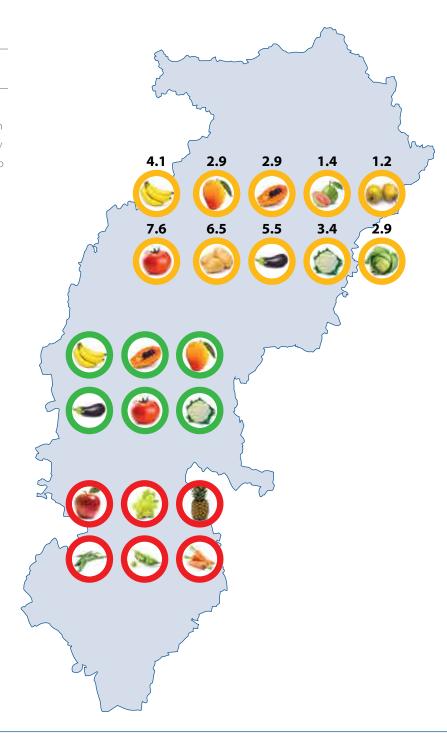


### CHHATTISGARH .....

### State Trivia



Chhattisgarh is one of the greenest states of India with over 44 % of its total area under lush forests. The forests of Chhattisgarh are not only known for their diverse flora and fauna but also contain about 88 species of medicinal plants. The use of ethnomedicine, which has been practiced by aboriginal tribes since centuries, predating even Ayurveda, is also being promoted in Chhattisgarh.



### **Commodities**



































The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT) **Production** - Highlights the top five Fruits & Vegetables produced in the state.

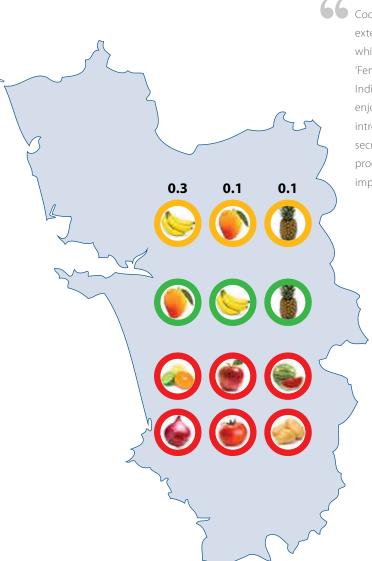
Sources: National Sample Survey Office, National Horticulture Board, State Government Portals







### State Trivia



Coconut Palm and Cashew Nuts are grown extensively as major crops in Goa, both of which produce the famous country liquor 'Fenny'. Goa is a major exporter of cashew from India and its salted and roasted nuts are enjoyed all over the world. The Portuguese introduced Cashew to Goa along with the secrets of fermentation and distillation to produce what has become one of Goa's most important drink.

ICAR Research Complex for Goa



### **Commodities**

Banana

Pineapple

















The map highlights the top three surplus Fruits and top three deficit Fruits & Vegetables for the state.



**Production** - Highlights the top three Fruits produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals



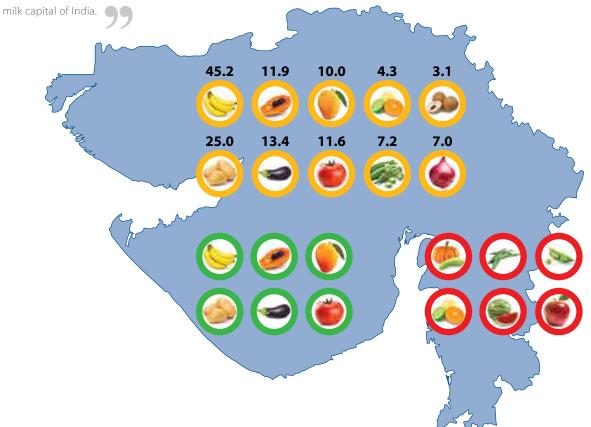


### GUJARAT

### State Trivia



Milk cooperatives of India owe their origin to the state of Gujarat. The AMUL model is world famous and the most successful one in India. The Anand city of Gujarat is also known as the







### **Commodities**

































Surplus

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

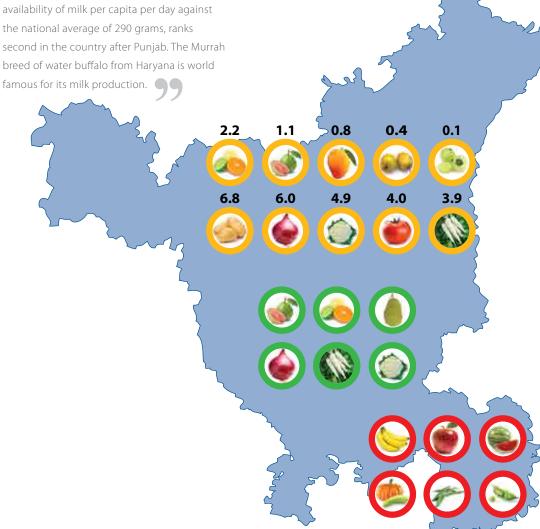
Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





### State Trivia

Dairy farming is an essential part of Haryana's rural economy. Haryana, with 720 grams availability of milk per capita per day against the national average of 290 grams, ranks second in the country after Punjab. The Murrah breed of water buffalo from Haryana is world



**National Dairy Research Institute, Karnal** 



### Commodities

Pumpkin/ Jackfruit Watermelon Tomato Cauliflower Citrus Fruits



The map highlights the top three surplus and deficit Fruits & Vegetables for the state.



**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





### FRUITS & VEGETABLES AVAILABILITY MAP HIMACHAL PRADESH ....

### State Trivia



During the beginning of the 20th century, Satyanand Stokes introduced apple cultivation in Himachal Pradesh and now around 1.3 lakh hectares has been brought under apple orchards in the state. Kinnaur Apples are the most favored variety in India.



**Central Potato Research Institute, Shimla Directorate of Mushroom Research, Solan** 



### **Commodities**

Udupi Mattu Gulla Brinjal

































Cabbage Cauliflower







The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals



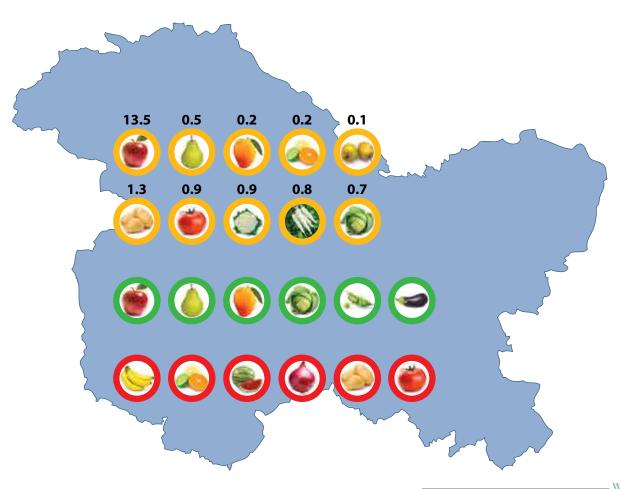


### **FRUITS & VEGETABLES AVAILABILITY MAP JAMMU AND KASHMIR**

### State Trivia



Saffron is one of the most expensive spices in the world. Iran, Spain, India, and Greece dominate the world trade for saffron. Kashmir is the largest producer of saffron in India.



































Surplus

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





### FRUITS & VEGETABLES AVAILABILITY MAP **JHARKHAND**

### State Trivia

Jharkhand is a major producer of Bael fruit in . India. Also known as the wooden apple, the fruit is a remedy to many diseases and also has a connect with the Indian mythology. Medicinally, the root is the most important part of the tree . It is also one of the trees categorized as climate purifiers as they emit more amount of oxygen as compared to other trees.



### **Commodities**

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

Surplus

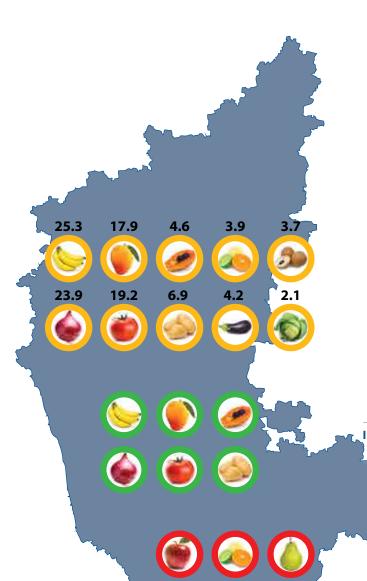
The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT) **Production** - Highlights the top five Fruits & Vegetables produced in the state.





### KARNATAKA



### State Trivia

India is the largest producer, as well as, consumer of Arecanut. Accounting for 60% of the country's production, Karnataka is the largest producer of Arecanut in India. Considered as an auspicious ingredient, the Arecanut is still used along with betel leaf in religious ceremonies.

Indian Institute of Horticulture Research, Bengaluru **Directorate of Cashew Research, Puttur** 



Appemidi Mango Byadgi Chilli **Bangalore Blue Grapes Coorg Orange** Coorg Green Cardamom Devanahalli Pomello Kamalapur Red Banana Monsooned Malabar Robusta Coffee **Monsooned Malabar Arabica Coffee** Nanjanagud Banana Udupi Mattu Gulla Brinjal

### **Commodities**











































The map highlights the top three surplus and deficit Fruits & Vegetables for the state.



**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





### KERALA .....



### State Trivia

Kerala is renowned the world over for being the major producer and exporter of the 'King of Spices'- Pepper. Besides Pepper, Kerala is also the largest producer of Cardamom and Nutmeg spices.

### Central Tuber Crops Research Institute, Thiruvananthapuram



Central Travancore Jaggery
Kaipad Rice
Malabar Pepper
Navara rice
Pokkali Rice
Palakkadan Matta Rice
Spices - Alleppey Green Cardamom
Vazhakulam Pineapple
Wayanad Jeerakasala Rice
Wayanad Gandhakasala Rice

### **Commodities**































The map highlights the top three surplus fruits, top two surplus vegetables and top three deficit Fruits & Vegetables each for the state.



**Production** - Highlights the top four Fruits & three Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

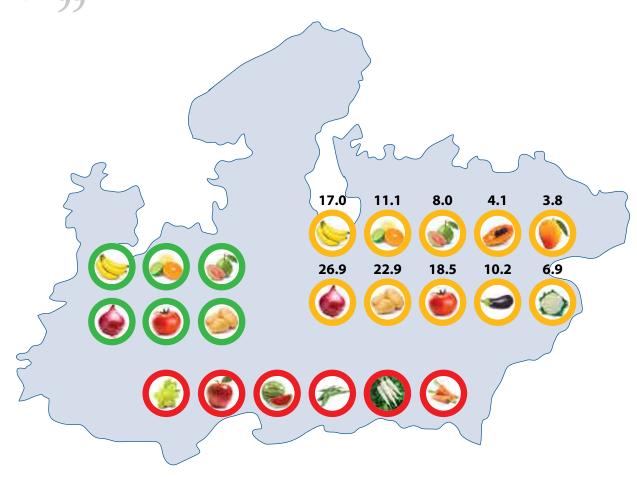




### **MADHYA PRADESH**

### State Trivia

Madhya Pradesh is the second largest producer of Coriander and Garlic and is a major exporter of seed spices.



### Commodities



Surplus

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals



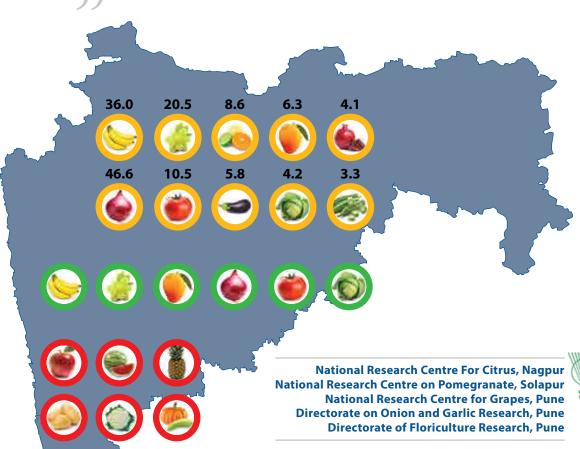


### FRUITS & VEGETABLES AVAILABILITY MAP **MAHARASHTRA**

### State Trivia



Maharashtra is a leading state in production of Grapes in the whole country. The state also accounts for nearly 80% of the Grapes exports from India. Maharashtra is also the largest producer of Alphonso Mangoes, the most sought after variety for exports.





**Mahabaleshwar Strawberry Nashik Grapes Nagpur Orange** 



### **Commodities**

Citrus Fruits Mango Pomegranate Apple Watermelon Pineapple



The map highlights the top three surplus & deficit Fruits & Vegetables for the state



**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





### **MANIPUR**

### State Trivia

Passion fruit, a native of Brazil is a high value and export oriented crop. Passion fruit stands out not only for its exotic and unique flavor and aroma but also for its amazing nutritional and medicinal properties. Manipur is the largest producer of Passion fruit in India, where the fruit grows naturally.



### Commodities

Pineapple

Passion fruit Citrus Fruits



The map highlights the top three surplus and deficit Fruits & Vegetables for the state.



**Production** - Highlights the top five Fruits & top three Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals



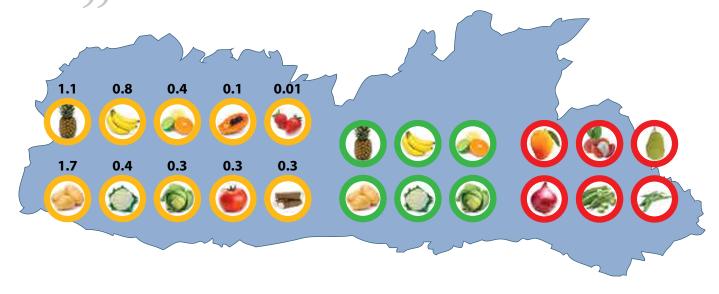


### MEGHALAYA

### State Trivia



India is the largest producer and exporter of Turmeric in the world. The Jaintia Hills district of Meghalaya produces some of the finest Turmeric in the world with its "Lakadong" variety. Due to its high curcumin content, robust aroma, colour and organic nature, this variety has a good market potential in India and abroad.





### Commodities

Banana Citrus Fruits Papaya Strawberry





















Surplus

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.



**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

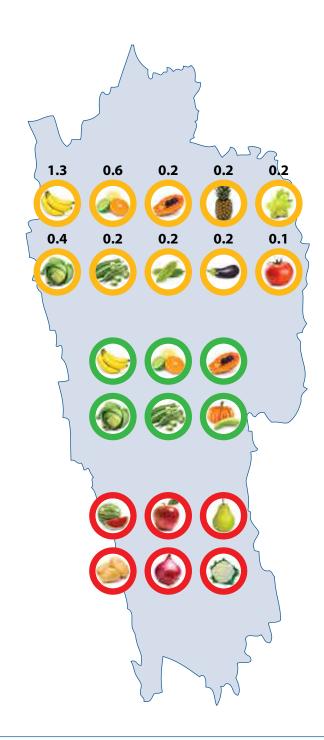




#### **MIZORAM**

#### State Trivia

The Mizoram Government has been aggressively promoting oil palm cultivation since 2005 under its New Land Use Policy and has declared its northern most district of Kolasib the state's first oil palm district.



## Commodities



The map highlights the top three surplus and deficit Fruits & Vegetables for the state.



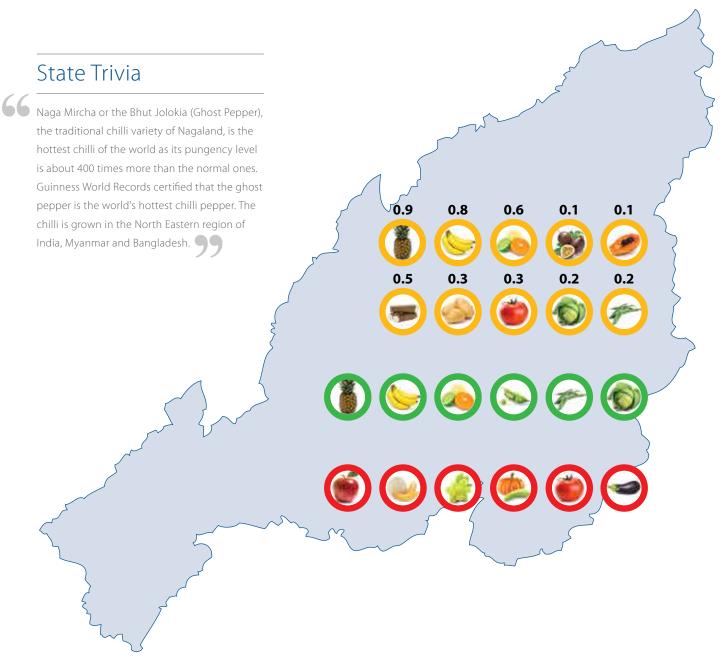
**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





#### **NAGALAND**





## Commodities





























The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





#### **ODISHA**

#### State Trivia

Kewda flowers, mostly collected from Ganjam district of Odisha are very famous for extraction of essential oils. Odisha produces around 80% of the country's Kewda extract.



## Commodities

Guava

Citrus Fruits

ballalla Ja

ACKITUR (III)

watermelon

Grapes

Beans

Carrot

**Drinjal** 

OKIG



The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals



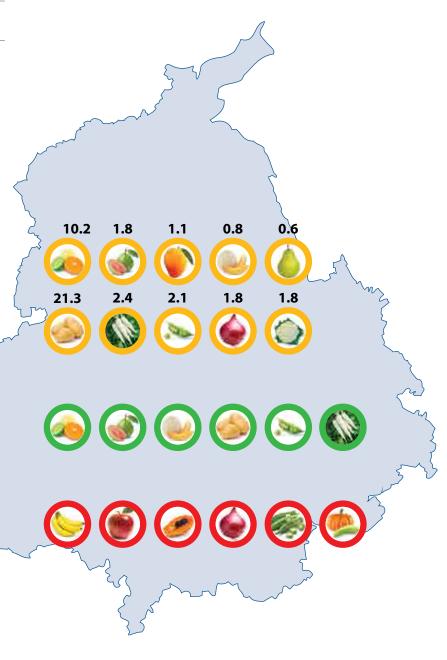


#### **PUNJAB**

#### State Trivia



Punjab, also called the land of five rivers is one of the most fertile regions on the earth. Punjab is called the "Granary of India" or "India's bread-basket". It is one of the largest contributers to the national pool of wheat and rice for the public distribution system. Besides this, the state is also one of the largest producers of honey in the country and contributes almost 25% of country's honey production.



## Commodities









Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

























Surplus

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.



**Production** - Highlights the top five Fruits & Vegetables produced in the state.





#### **RAJASTHAN**

#### State Trivia



**Central Institute of Arid Horticulture, Bikaner National Research Centre on Seed Spices, Ajmer** 



## Commodities

Citrus Fruits





























The map highlights the top three surplus Fruits, two surplus Vegetables and top three deficit Fruits & Vegetables for the state.



**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

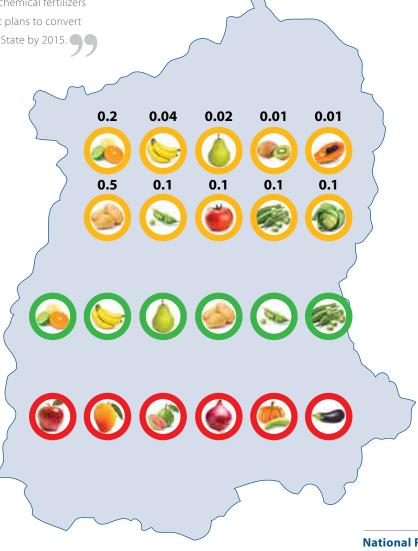




#### **SIKKIM**

#### State Trivia

The Government of Sikkim stepped into Organic Mission process from 2003, the year when it stopped imports of chemical fertilizers in the state. The government plans to convert Sikkim into a totally Organic State by 2015.



**National Research Centre** for Orchids, Pakyong



## Commodities

Pumpkin/



The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals



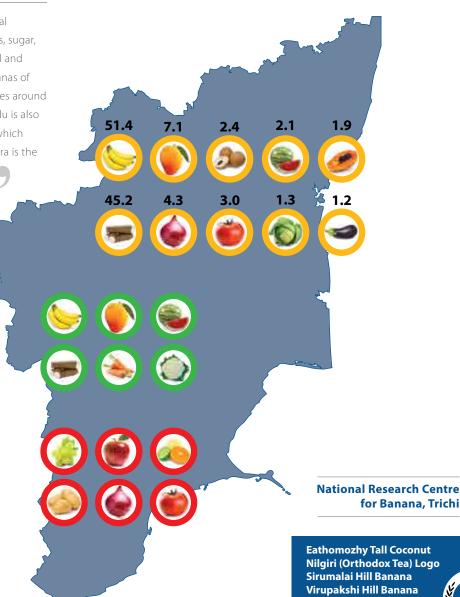


# FRUITS & VEGETABLES AVAILABILITY MAP TAMIL NADU

#### State Trivia

66

Bananas are the fifth largest agricultural commodity in world trade after cereals, sugar, coffee and cocoa. India, Ecuador, Brazil and China alone produce half of total bananas of the world. In india, Tamil Nadu produces around 20% of the total production. Tamil Nadu is also the largest producer of Tapioca from which Sago is produced, however Maharashtra is the largest consumer of the product.



#### **Commodities**

Mango Guava Citrus Fruits Apple Banana Papaya Watermelon Sapota Tapioca Potato Cabbage Onion Brinjal Cauliflower Tomato Carrot



The map highlights the top three surplus and deficit Fruits & Vegetables for the state.



**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





#### **FRUITS & VEGETABLES AVAILABILITY MAP** TELANGANA

#### State Trivia



Telangana is a newly formed state of India. The major strengths of the state lies in cotton cropping, which is practiced on about 14 lakh hectares. In comparision, USA grows the crop on an area of 18 lakh hectares.



## Commodities

Surplus

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

The data for Telangana has been derived basis-district wise data of former Andhra Pradesh.





#### **TRIPURA**

# State Trivia Rubber and Tea are the important cash crops of the state. Tripura ranks second only to Kerala in the production of natural rubber in the country. Tripura is also the largest producer of Jackfruit in the country. 1.3 0.5 0.3 1.7 0.6 0.5

## Commodities

Mango Citrus Fruits

Apple

Banana

Jackfruit Mel

Pineapple

Савраде

Radish

Brinjal

(adminower

**A** 





The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

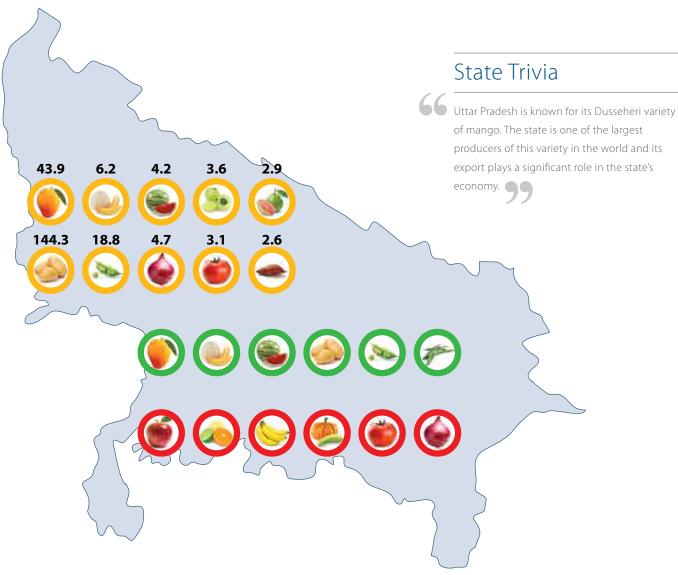
**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





#### UTTAR PRADESH



**Indian Veterinary Research Institute, Izatnagar Central Institute for Sub Tropical Horticulture, Lucknow** Indian Institute of Vegetable Research, Varanasi



## Commodities

**Kalanamak Rice** Mango Malihabadi Dusseheri

Allahabad Surkha







































The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals

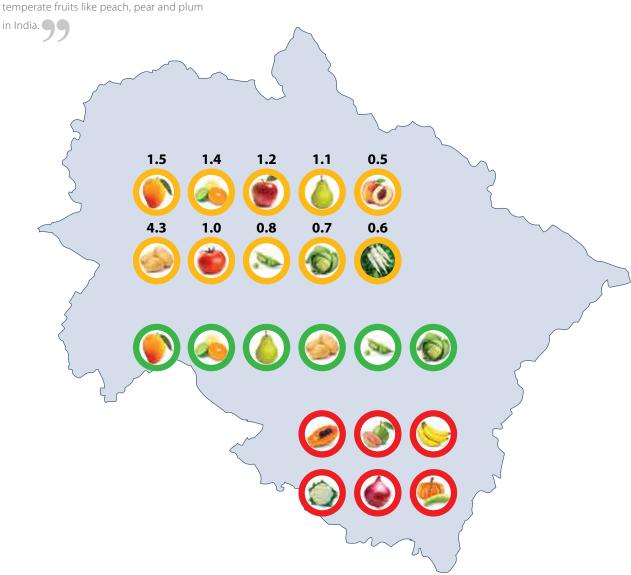




#### UTTARAKHAND

#### State Trivia

Uttarakhand is the largest producer of temperate fruits like peach, pear and plum



## Commodities

Mango Guava Citrus Fruits Apple Banana Pear Papaya Peach Potato Cabbage Cauliflower Radish Peas Tomato Onion Gourd

Surplus Deficit

The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

Production ( in Lakh MT)

**Production** - Highlights the top five Fruits & Vegetables produced in the state.

Sources: National Sample Survey Office, National Horticulture Board, State Government Portals





#### **FRUITS & VEGETABLES AVAILABILITY MAP** WEST BENGAL

#### State Trivia

India is one of the world's leading producers of tea accounting for 23% share by volume. The tea produced in India is among the finest in the world. Darjeeling tea is well-known all over the world and is the first Indian product to be recognised by the European Union as a

protected Gl.



Darjeeling Tea (word & logo) Fazli Mango Khirsapati (Himsagar) Mango



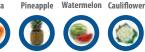
## Commodities





Sources: National Sample Survey Office, National Horticulture Board, State Government Portals























Pumpkin/

Surplus Production ( in Lakh MT) The map highlights the top three surplus and deficit Fruits & Vegetables for the state.

**Production** - Highlights the top five Fruits & Vegetables produced in the state.





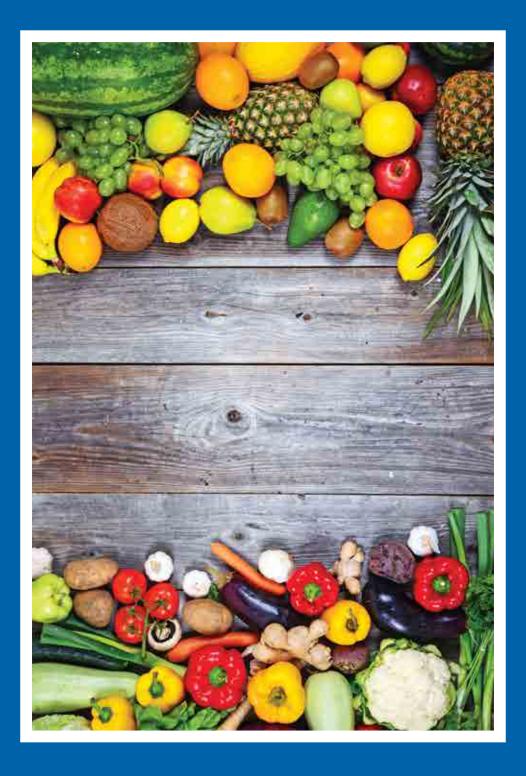
The Ministry of Food Processing Industries (MoFPI) is a ministry of the Government of India responsible for formulation and implementation of the policies & plans for the food processing industries within the overall national priorities and objectives. The ministry was set up in the year 1988, with a view to develop a strong and vibrant food processing industry, ensuring value addition to agricultural produce, diversification & commercialization of agriculture, generation of employment, enhancing income of farmers and creating surplus for the export of agro & processed foods. In the era of economic liberalization, all segments including; private, public and co-operative sectors have defined roles to play and the Ministry promotes their active participation. The Ministry has a clear goal of attaining these objectives by facilitating and acting as a catalyst to attract quality investments from within India and abroad into this sector with the aim of making food processing a national initiative.



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## NOTES





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