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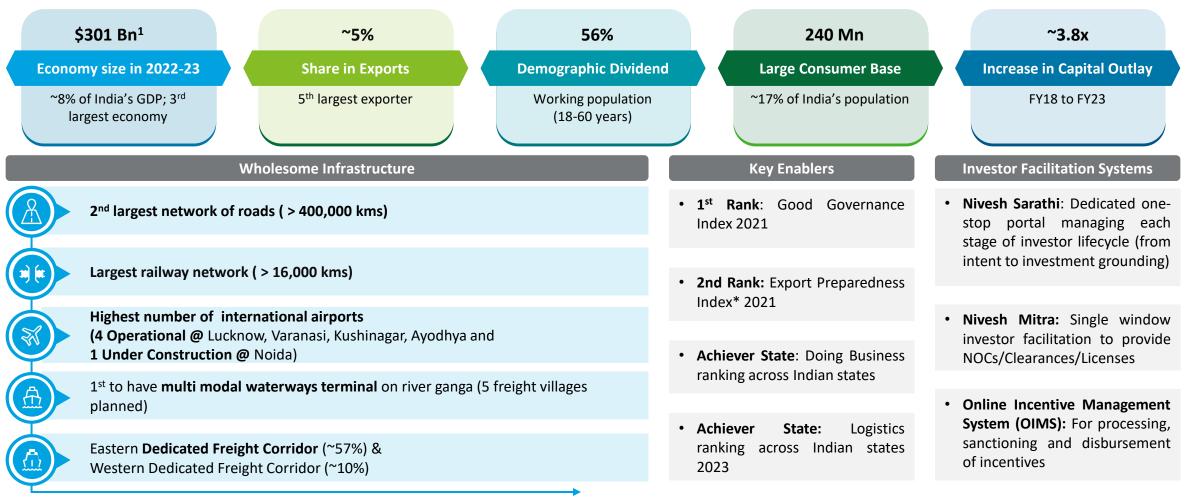


## Uttar Pradesh Food Processing

Sowing Prosperity, Harvesting Progress April 2024

#### UP – State with Robust and Resilient Economy

The economic momentum of UP is well-poised to continue on a higher trajectory



<sup>1</sup>Exchange rate assumed as \$1 = ₹75

\*Among landlocked states

Sources: UPDES; Population Projections – MoHFW for FY22, GSVA at current prices 2011-12 series; InvestUP; RBI; World Bank; DGCIS; Deloitte Analysis

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## Section A – Agriculture & allied (Food Processing) in UP | An overview

## Agri & Allied Sector

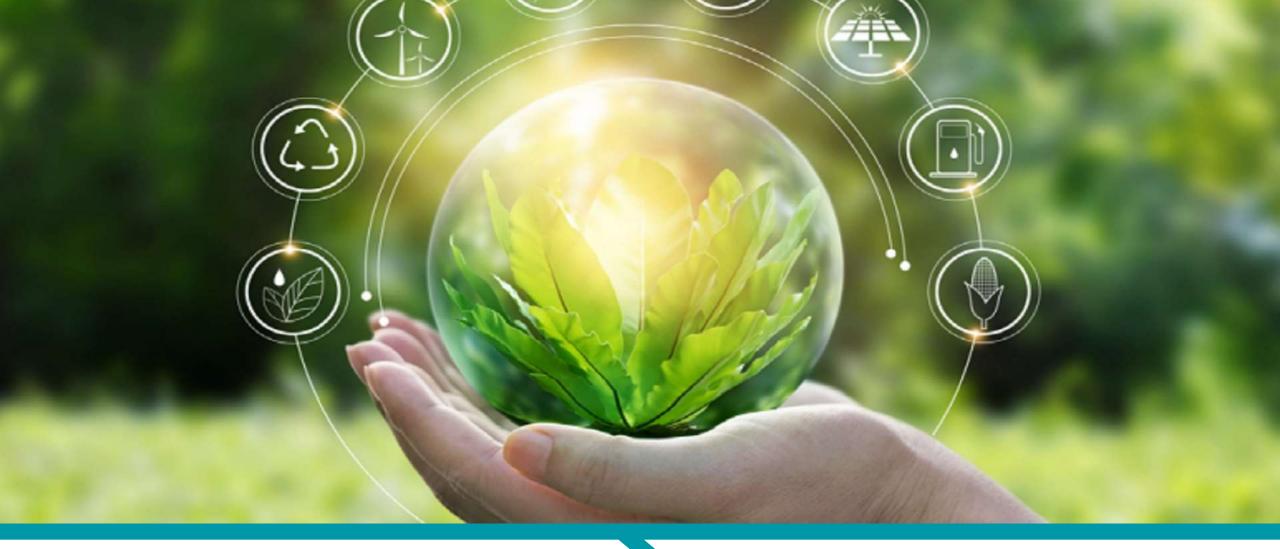
UP is one the leading states in agriculture and food processing in India.

			Sector Ov	verview			
ß	Largest Production of Milk, Grain, Sugarcane, Mangoes and Indian Gooseberries	#3 In India in Production of fruits		in inland duction	Ex p	<b>argest</b> xporter of rocessed frozen neat in India	<b>77</b> Government community fruit preservation and training centers at district level
•	l l	Advantage UP	•	•	Pro	oduction (MT) vs Pr	ocessing (MT)
	gro & Food Processing Parks/clu akhpur etc.	usters established in Varanasi, Baraba	nki, Saharanpur,	Proc	duce	UP - Rank in Produ	iction UP - Rank in Processing
-	a Food Park, Baheri: 40 KM fror h earmarked for the Mega Food	m Bareilly bordering Uttarakhand. 247 I Park	7.60 Acres have	Wh	eat	1	3
	<ul> <li>250 Regulated Market; 225 Rural Market; 100 eNAM Mandis</li> <li>4 Agriculture Export Zones, 10 ICDs, 1909 Cold chains, 35 FPOs</li> </ul>			Pa	ddy	2	6
• Pren	• • • •	ersity, Ayodhya University, SHUATS Pra	ayagraj,	Suga	rcane	1	2
•		urrent Scenario		Ма	ngo	1	6
-	commodities: Buffalo meat, Ric eat and Dairy products	e (Basmati and Non-Basmati), Cereal	preparations,	Pot	ato	1	6
Current key markets for UP - South Africa, USA, Australia, Canada.				Pe	as	1	4
	<ul> <li>UP's Production of Basmati rice: 25.5 lakh MT (#3 in area)</li> <li>UP has GI tag for Kalanamak rice.</li> </ul>			M	ilk	1	4
	<ul> <li>UP's production of Kalanamak rice: 15,000 MT (2021); ~7% leveraged for exports.</li> <li>UP's Basmati exports (2021-22): \$0.05 bn; India: \$3.5 bn (expected to grow at 6% CAGR)</li> </ul>			Fi	sh	6	10+
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## Agri & Allied Sector | Food Processing

UP has over ~2K organized players with major presence in Gautam Buddha Nagar

		Existing players in UP
Produce	Key Industrial Clusters and Investment Zones/ Districts	
Wheat	Hardoi, Aligarh, Budaun, Bulandshahar, Shahjahanpur, Azamgarh, Meerut, Moradabad, Bareilly, Kanpur, Gorakhpur, Faizabad, Varanasi	
Rice	Shahjahanpur, Barabanki, Kheri, Siddharth Nagar, Gorakhpur, Gonda, Kheri, Bareilly, Moradabad, Meerut	Dabur The Taste of India
Mango	Lucknow, Saharanpur, Unnao	-
Banana	Gorakhpur, Kushi Nagar, Kaushambi, Maharajganj, Baharaich, Barabanki, Lucknow, Prayagraj, Fatehpur, Lakhimpur- Khiri	Godrej agrovet brighter farming ITC Limited Parlé Agro
Guava	Budaun, Kasganj, Aligarh, Farrukhabad, Hathras, Unnao, Kanpur Nagar, Kaushambi, Prayagraj	
Potato	Agra, Hathras, Firozabad, Kannauj, Aligarh, Farukkhabad, Mainpuri	Coca Cola HEINZ
Peas	Jalaun, Lalitpur, Jhansi	EST? 1869
Tomato	Mainpuri, Agra, Etah, Barabanki, Unnao	-



## **Section B – Government initiatives to boost the sector**

## Agri/Horti Sector initiatives under UP \$1TN

01

Policy Highlights – Uttar Pradesh Food Processing Industry Policy 2023

**Subsidies & Incentives** 

#### **Capital subsidy**

- Plant, machinery, and technical civil work - 35% capped at INR 5 Cr
- Expansion and modernization / upgradation – 25% capped at INR 1 Cr

#### Incentives

- Exemption from charges: 2% of the value at circle rate
- 75% rebate on external development charges
- 50% fees waived off on CLU (Conversion of Land Use)
- Stamp Duty Exemption @100%

**Infrastructure Support** 02

- Cold Chain and value addition infrastructure: 35% capped at INR 10 Cr
- Frozen storage/deep freezer & value addition: 50% capped at INR 10 Cr
- Agro processing clusters: 35% capped at INR 10 Cr
- Creation of backward and forward linkages: 35% capped at INR 10 Cr

**Technology & Innovation** 



- Solar power projects: 50% subsidy in rural areas, 90% for women entrepreneurs
- Assistance for modern technology adoption: Up to Rs. 5 crores
- Promotion of decentralized processing and storage: Assistance for SHGs/FPOs/Farmers capped at 50% of total project cost or Rs. 50 lacs



- 25% Freight Subsidy on exports excluding Nepal, Bangladesh and Bhutan
- Exemption from Mandi fees and cess

04

 Support for food processing startups and SHGs/FPOs/Farmers

#### **Key supporting measures:**



Affirm fair & remunerative price of the produce to the growers



Ensure Value addition to the price of raw produce



Promote setting up of food processing industries



Easy availability of processed food products to consumers at competitive prices

#### Agri/Horti Sector initiatives under UP \$1TN

Policy Highlights

As part of UP govt's initiative to achieve a \$1Tn Economy, UP Govt has introduced multiple policies which would greatly benefit investors in the state.

#### **UP Agriculture Export Promotion Policy 2022**

Cluster Area	Incentives
50 – 100 ha	10 lakhs
100 – 150 ha	16 lakhs
150 – 200 ha	20 lakhs
200 – 250 ha	28 lakhs
250 – 300 ha	34 lakhs
300 – 350 ha	40 lakhs

If area of cluster increases, increase in amount of INR 6 lakh permitted

The incentive limit is on completion of cluster construction, registration and export obligation

#### **UP Industrial Investment & Employment Promotion Policy 2022**

Capital Investment
Above ₹50 Cr but below ₹200 Cr
₹200 Cr or above but below ₹500 Cr
₹500 Cr or above but below ₹3,000 Cr
₹3,000 Cr or above

**Investment Promotion Subsidy:** A **one-time choice** is given between **three mutually exclusive options** during the time of application. Request for additional chance of changing the option has been processed and is pending for the approval.

- Option 1: Capital subsidy with boosters (Employment booster, Export booster & Ecosystem booster)
- > Option 2: Net SGST 100% Reimbursement subject to conditions
- > Option 3: PLI Top-up

A Policy Implementation Unit (PIU) will be established under Invest UP for effective implementation of the policy

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FDI, Fortune Global 500 & Fortune India 500 Companies Investment Promotion Policy, 2023

#### **Eligibility Criteria:**

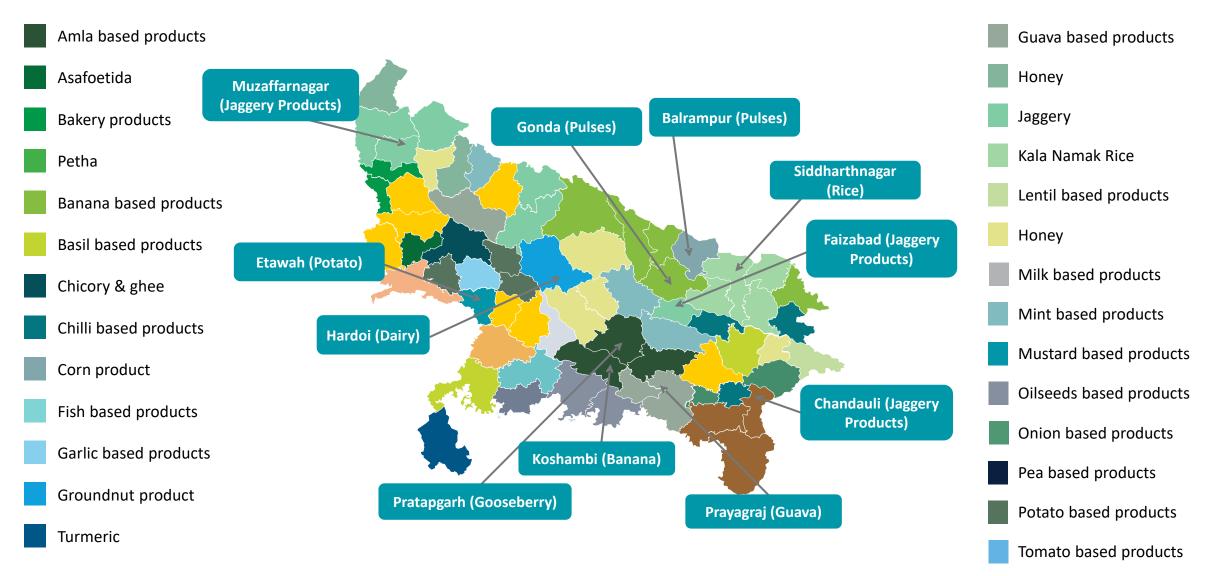
- ✓ Projects with Foreign Direct Investment (FDI) Capital Investment of above ₹100 crores.
- ✓ Projects with Capital Investment of more than ₹100 crores by companies included in the list of Fortune Global-500 and Fortune India-500, subject to Negative list.

## UP FDI and Fortune 500 Policy 2023 – Fiscal Incentives

		Majo	r benefits	
Capital subsidy		S	GST reimbursement/ refund	Land subsidy
<ul> <li>25% of *ECI (excluding land cost) in Ga Nagar and Ghaziabad regions</li> <li>30% of ECI (excluding land cost) in Pase Madhyanchal regions</li> <li>35% of ECI (excluding land cost) in Bur Purvanchal regions</li> <li>apital Subsidy will be provided in 7 equal a stalments with annual capping of INR 100</li> </ul>	chimanchal and Idelkhand and annual	<ul> <li>- 100% of net SGST</li> <li>- Annual capping: U</li> <li>ECI (excluding land</li> <li>• Option B - Input SG</li> <li>5 annual instalment structure)</li> </ul>	<b>T reimbursement on sales:</b> paid for 10 years pto 10% of ECI, Overall capping: Upto 100% of cost and capital subsidy) <b>ST refund on capital goods:</b> 100% SGST refund c (Applicable only in case of inverted duty	<ul> <li>Upto 75% in Paschimanchal and Madhyanchal region</li> <li>Upto 80% in Bundelkhand and Purvanchal region</li> </ul>
		Other fi	scal benefits	
<ul> <li>Stamp Duty &amp; Registration Fees: 50% - 100% exemption/ reimbursement</li> <li>Electricity Duty: 100% exemption from for 5 years</li> <li>Skill development subsidy: Upto INR 5,000 p.m. per person for 5 years (max. 500 persons)</li> </ul>	capital subs Effluent Tre at INR 2.5 c • Industrial H Reimburser cost of deve housing or a	stry Incentives: 50% idy on the cost of atment Plant capped rores ousing Incentives: nent upto 10% of the elopment of workers' dormitory for 7 years bed at INR 10 crores	<ul> <li>R&amp;D incentives: Reimbursement upto 25% of the cost of standalone R&amp;D centre capped at INR 10 crores (with minimum capital investment of INR 20 crores)</li> <li>Centers of Excellence (CoE): Grant upto 50% of the project cost capped at INR 10 crores per project Note: Option to choose any one out of above is available</li> </ul>	<ul> <li>Logistics Subsidy: Reimbursement upto 50% of the transportation cost on import capped at INR 12 crores per unit (in case of shifting of existin plant from international or domestic locations to UP)</li> <li>Patent cost: Reimbursement upto 75% of the cost capped at INR 10 lak (for domestic) and INR 20 lakh (for international)</li> </ul>

## Strengthening ODOP scheme

UP has identified ODOP for its 75 districts under the PMFME scheme.





## Section C : Overview of Key Opportunities in UP

#### **Primary Opportunities:**

**Processing-** With strong supply side advantages, local demand, rising export potential and policy support, processing of food products offer immense potential in the State. Considering the abundance of naturally existing agro-resources, investments in mango processing, turmeric processing, aonla processing, breakfast and cereal manufacturing, garlic and chilli processing, etc. is a promising opportunity in Uttar Pradesh.

Manufacturing & Supply of Agro inputs – Given the huge agrarian economy of the State, immense potential exists in manufacturing, production and supply of necessary fertilizers, seeds, agro-chemicals, farm equipment, machinery and irrigation systems to increase production and productivity.

Integrated Units- Investment in developing integrated units with processing, preservation, packaging and warehousing facilities at notified Agro Parks in the state is a promising investment opportunity. These agro parks include Mega Food Park at Baheri, Agro Park at Barabanki, Khemsepur (Farukkhabad), Karkheon (Varanasi) and Barhgarh-II (Chitrakoot).

# **Other Opportunities**

Development of packhouses



Development of storage infrastructure

**Development of Special** Agriculture Economic Zones

Establishment of Centre of

**Excellence for Agriculture** 

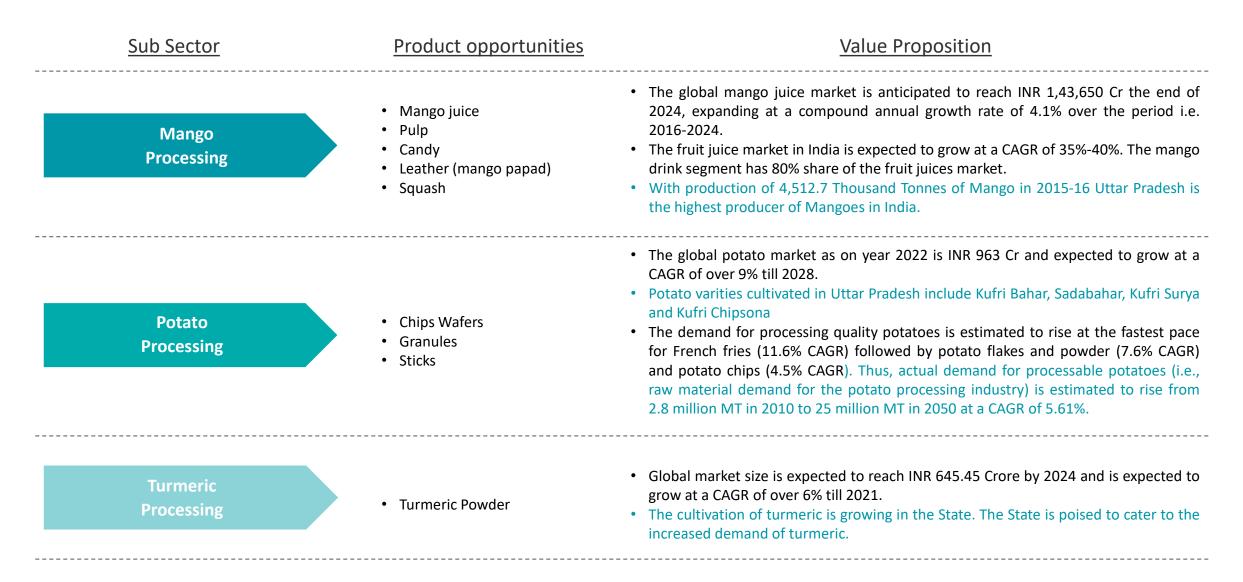
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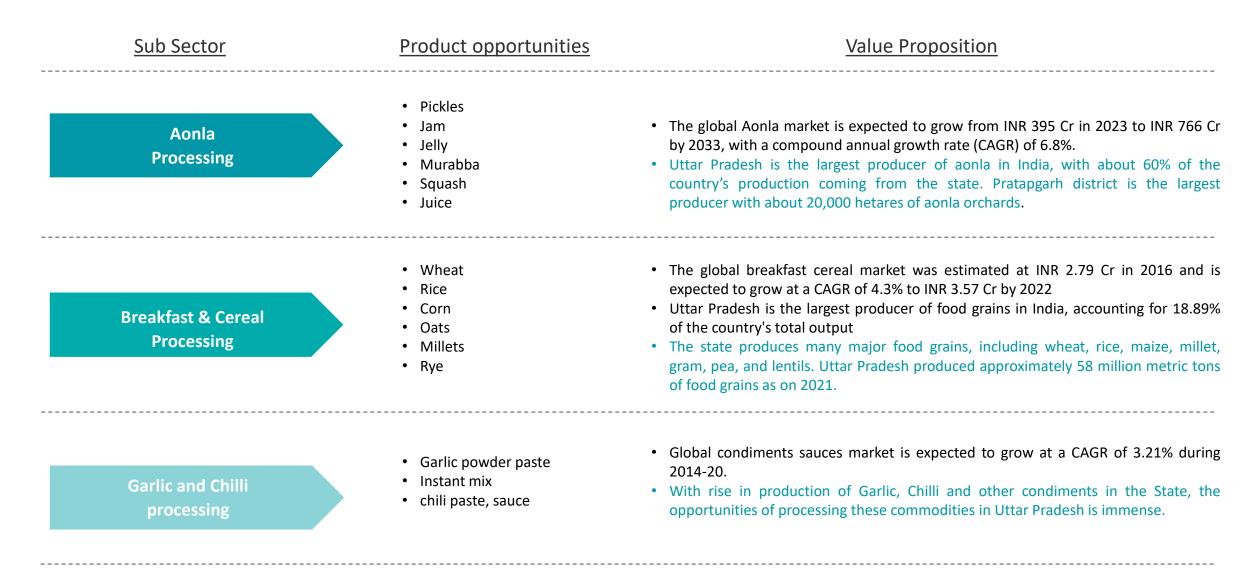


Processing of Potatoes and Mangoes

## Few Identified Opportunities – Food Processing – 1/3



## Few Identified Opportunities – Food Processing – 2/3



## Few Identified Opportunities – Food Processing – 3/3

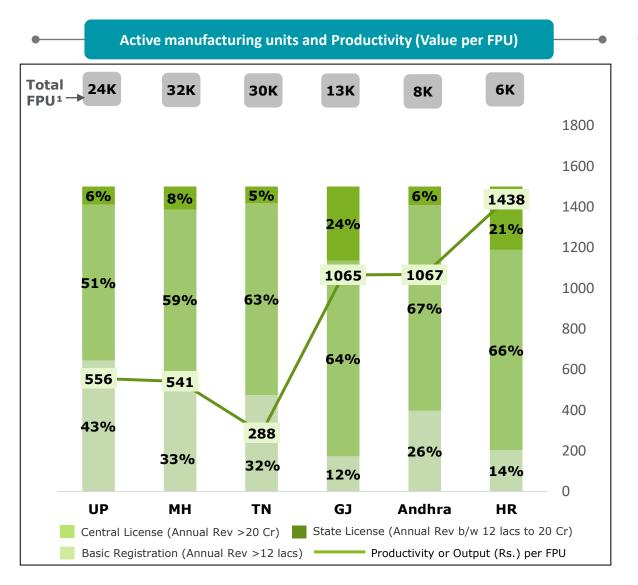
Sub Sector	Product opportunities	Value Proposition
Oil Seeds Processing	<ul> <li>Cooking oil</li> <li>Shortenings</li> <li>Margarine/Salad oils</li> <li>Hulls</li> <li>Oil cakes/meals</li> <li>Different Seeds Oils (Sunflower, Groundnut, Pumpkin, Sesame, etc.)</li> </ul>	<ul> <li>The global Oil Seeds market is expected to grow from INR 244.09 Cr in 2022 to INR 374.60 Cr by 2030, with a compound annual growth rate (CAGR) of 5.5%.</li> <li>In Uttar Pradesh around 13 lakh hectare of land is used for sowing of oilseeds. The major oilseeds grown in UP include groundnut, mustard, sesame etc.</li> </ul>
Sugarcane Processing	<ul> <li>Sugar</li> <li>Jaggery</li> <li>Syrups</li> <li>Cellulose</li> <li>Bagasse</li> <li>Molasses</li> </ul>	<ul> <li>The global Sugarcane market was estimated at INR 44.56 Cr in 2022 and is expected to grow at a CAGR of 4.6% to INR 69.67 Cr by 2032</li> <li>Sugarcane and sugar industry is a vital industry, a total of 118 sugar mills operated in the state during crushing season 2022-23.</li> <li>The total sugarcane area of the state is 28.53 lakh hectares and sugarcane productivity is 839 quintals per hectare.</li> </ul>

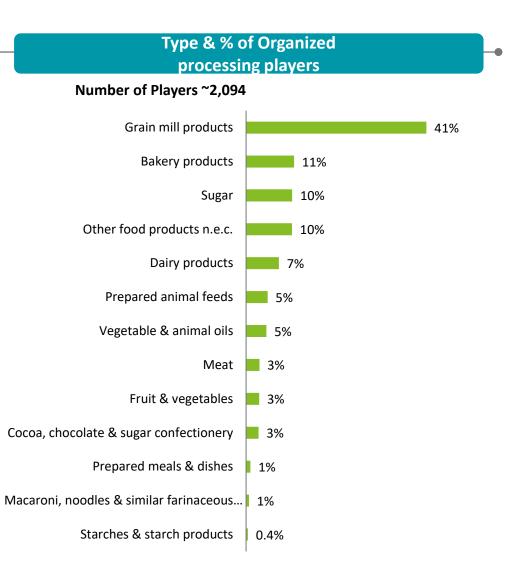
#### Production in the year 2022-23 in Uttar Pradesh

Commodity	Area (000 Hectare)	Production (000 MT)	Value (in Lakhs)
Paddy	6179.3	24842.8	5387783.4
Wheat	10193.1	38070.5	8616691.4
Cereals	25516.8	67781.9	15155910.4
Pulses	2755.6	2978.7	1859812.0
Sugarcane	2853.0	239462.0	8299370.8
Oilseeds	1810.3	2156.5	1242370.6

## Leveraging existing Clusters and processing Landscape

Present Processing Infrastructure of Uttar Pradesh



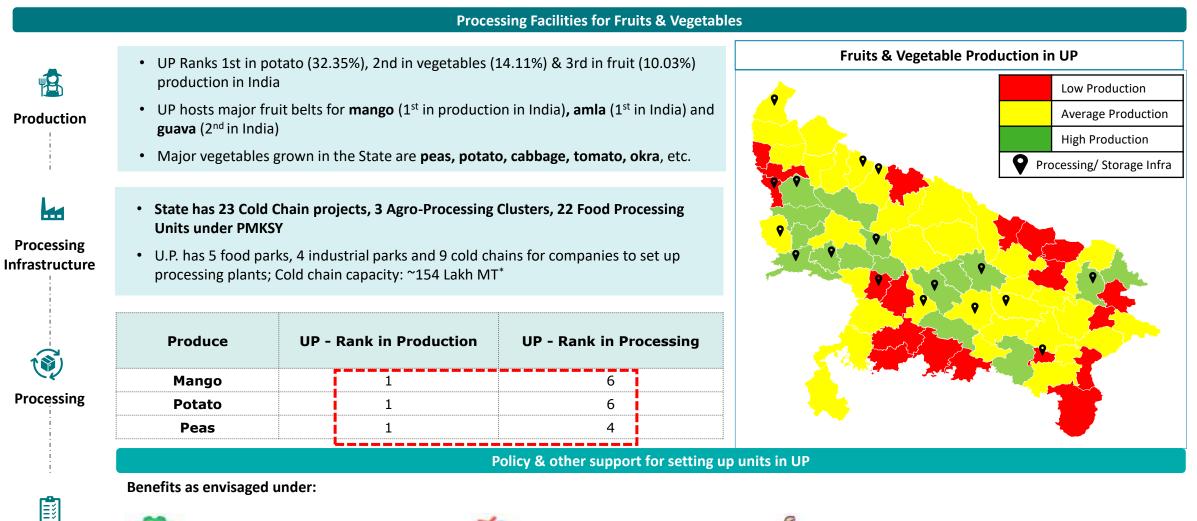




Section D : Existing Processing Infrastructure – Identified Gaps [F&V, Maize, Rice & Seed]

## Fruits & Vegetables Processing

#### UP's Food processing sector is forecasted to be ~\$25 Bn by FY28 witnessing CAGR ~26% during 2022-28





UP Food Processing Policy 2023



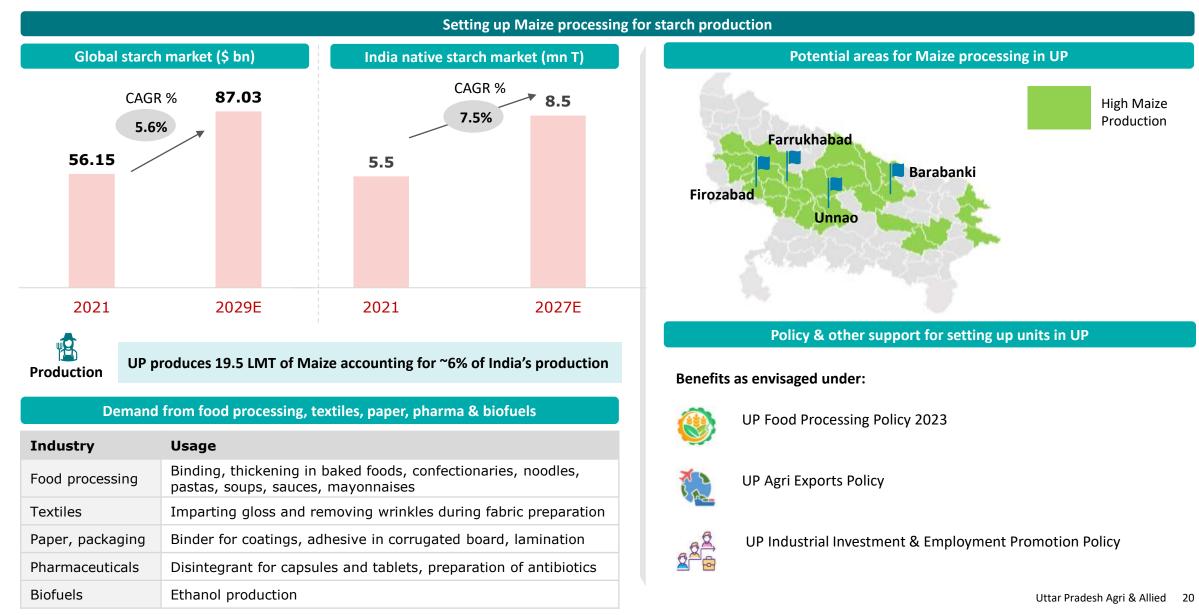
UP Agri Exports Policy



UP Industrial Investment & Employment Promotion Policy

## Maize processing

India is the biggest exporter of corn starch in the world; Indian native starch market expected to grow at 7.5%



## **Rice Processing & Exports**

Global aromatic rice market is expected to grow at ~15% CAGR during 2022-28 with India's Basmati exports growing at 6%

#### Setting up Export focused processing plants/ centers for Rice

#### **Rice production in UP**

1. UP produces ~12% of India's non-Basmati rice

2.UP has 24% of India's GI tagged area under Basmati Rice spanning across 30 districts of Western UP

3. It ranks 3rd in Basmati acreages after Haryana & Punjab

4. UP has a GI tag for Kalanamak rice produced in 11 districts of eastern UP; this rice has

high demand in south-east Asian countries

#### **Districts for export cluster development**

#### **Key export destinations**

Middle east is the largest consuming market (27% of global consumption of Basmati rice) % share of Indian Basmati Rice exports:

- Iran (22%)
- Saudi Arabia (18%)
- Iraq (11%)
- UAE (10%)
- UK (5%)
- Kuwait (4%)

#### Policy & other support for setting up units in UP

#### Benefits as envisaged under:



UP Food Processing Policy 2023

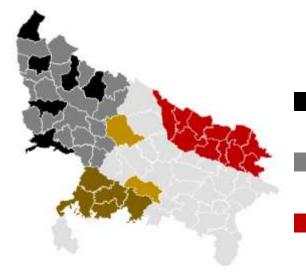


UP Agri Exports Policy



UP Industrial Investment & Employment Promotion Policy

Double taxation for rice processors removed by UP government

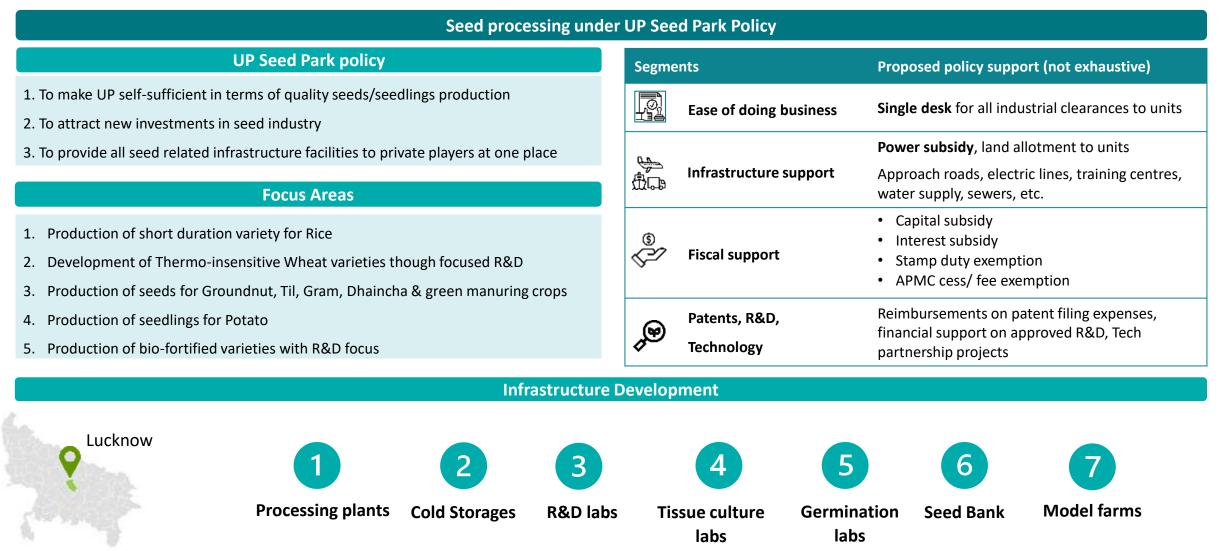


Basmati: Districts identified for export cluster development

- Basmati: Other districts having sizeable production and GI tag
- Kalanamak rice: Districts identified for export cluster dev (have GI tag)

## Seed production within UP

UP is one the leading states in agricultural production in India; UP government plans to strengthen this by developing UP Seed Park to become self-sufficient in seeds/seedlings production



# **Deloitte**.

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