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in 2018-19 to be
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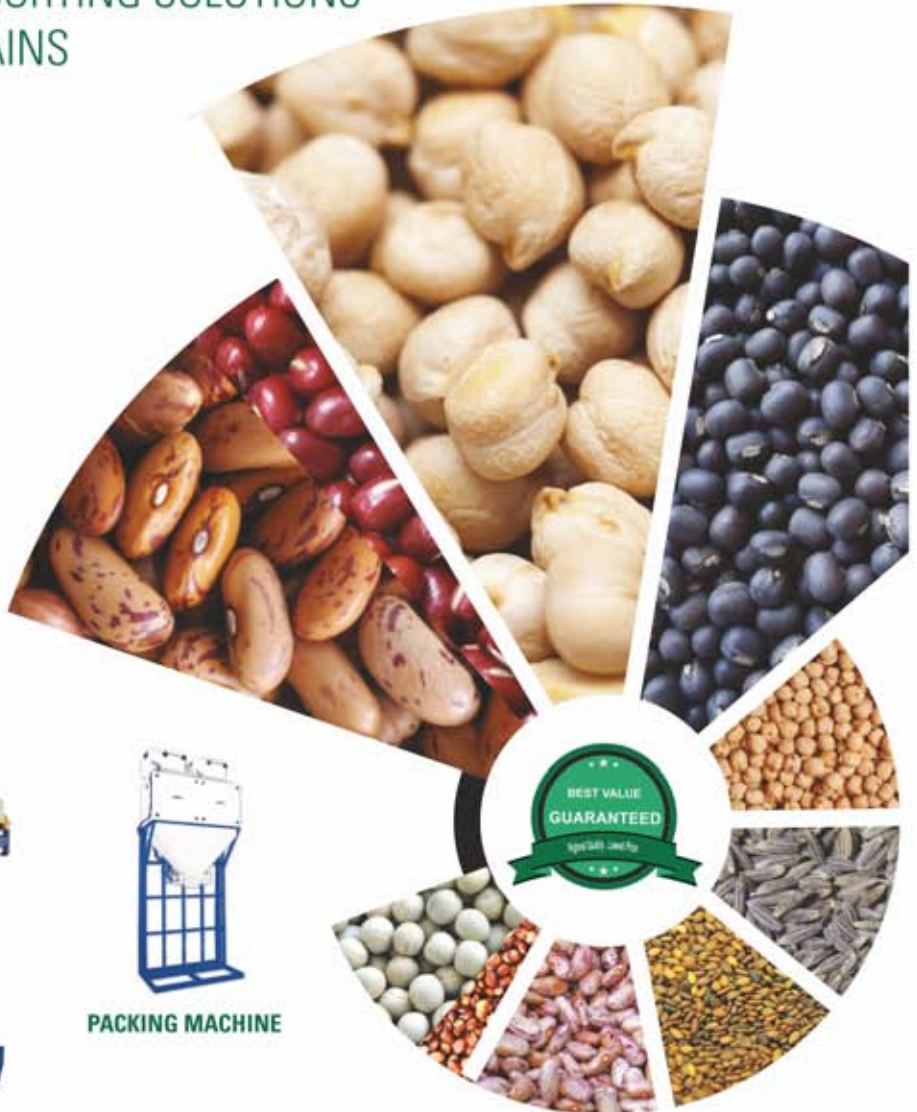
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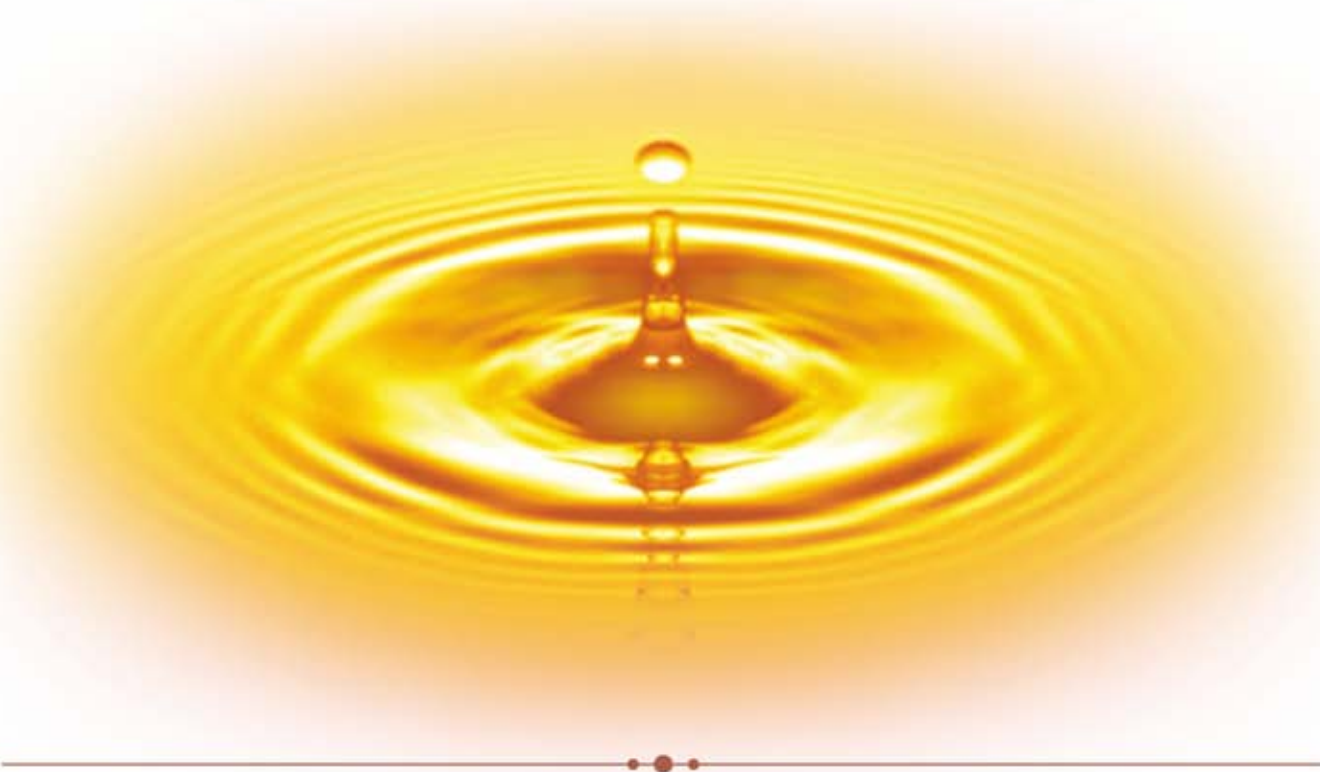


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**Editorial**

Oilseeds are the Achilles heel of the Indian agriculture

The government's plan to double farmers' income, achieving self-sufficiency in oilseeds production by 2030 is a major target. The Department of Agriculture has set a target of first increasing oilseed production from primary sources from the current 31 million tonnes to 45 million tonnes by 2022-23. Without doubt, in the short to medium term, the country cannot do without edible oil imports to meet the domestic shortfall. This is expected to help in increasing the edible oil production in the country from the current 7.1 million tonnes to a range of 11-14 million tonnes. India's vegetable oil imports — in volume and value terms — have skyrocketed in recent years. Edible oil industry, which was already facing squeezed margins due to costly imports, has started passing on the price hike to the consumers, in a phased manner though. India imports most of its edible oils from Indonesia and Malaysia.

In a situation of shortage, it is logical to expect that domestic producers will reap large gains. But, far from it, in our country, oilseed growers are in distress. They are unable to receive even the minimum support price assured by the government. It is time for the policymakers to seriously get down to addressing the real issues of the oilseeds sector.

The policy objectives should

be to balance the interests of growers and consumers alike. The country's consumption of vegetable oils - including palm oil and soyoil - has trebled over the last 20 years as the population grew and incomes rose, while output has increased by less than a third. A successful Indian push to raise oilseed production would drag on the international market for the commodity, hitting its main suppliers.

Meanwhile, the Indian government has recently announced a major scheme aimed at converting used cooking oil (UCO) into biodiesel to power the rising number of vehicles on the country's roads. India is the world's third-largest consumer of crude oil and the energy-hungry nation relies on imports for 80% of its fuel requirements. The government hopes this will promote biodiesel production, by ensuring a guaranteed income for existing plants that convert UCO to biodiesel and encouraging more firms to set up such facilities. According to estimates by the Food Safety and Standards Authority of India (FSSAI), a government agency, India has the potential to convert 2.2 billion liters of UCO into biodiesel by 2022.



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Sharad Dixit

M.Sc.Ag., PGP-AJMC (MANAGE)
MBA-Int. Marketing (UBI-Belgium)
Mob: 9462545462

International Marketing Consultant Agri. Commodities



Brief Profile: Sharad Dixit has a vast experience in Agri Commodity International Trade. He has good knowledge and experience of commodity supply chain. It covers all aspects of Farming, Cleaning, Grading, Warehousing, Processing, Packaging, Shipping (Import/Export), Trade and Distribution in Wholesale and Retail Market. His masters education in Agriculture helps him to anticipate price movement of Agri. Commodities more realistically. Dixit has traded more than **1 Million Metric Ton** of Agri Commodities across the globe till now. Visited more than 45 countries for connecting buyers and suppliers.



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"The oil industry is ever evolving and we at Sundex are matching to the consumer needs while bringing innovation to each and every project we work on" said Mr. Rohan Gulati, Director, Sundex Process Engineers Pvt. Ltd.



Mr. Rohan Gulati
Director, Sundex Process Engineers Pvt. Ltd.

Vegetable Oil Industry & Oil Derivatives

Edible oils are the dietary source for energy, growth and healthy functioning of humans. In addition, edible oils put high emphasis on tasty food, improving texture of food items, increasing palatability of food while maintaining the flavour of the food. Thus, edible oils constitute an important component of food expenditure in house-holds. Edible oils comprised a dominant component of food expenditure in Indian kitchens.

India comprises 25% of the population suffering from cholesterol and heart related diseases. The inclination of Indian consumers has increased towards edible oils because of the pursuit for low fat and low absorb oil. India is appropriate for growing all major oil seed crops due to its agro-ecological diversity. The major oilseed crops cultivated are ground nut, mustard, sunflower, cotton seed and the most remarkable one—Soybean.

India is one of the largest producers and consumers of edible oils in the world. However according to Economic times dated 5th of July 2019 -"The annual requirement of edible oil is 23 million tonnes.

We produce only 7-8 million tonnes and for remaining we have to depend on imports. There is only announcement for becoming self-reliant in edible oil, action is missing," stated by B V Mehta, Executive Director, Solvent Extractors' Association (SEA).

Some of the challenges crucial to the growth of the edible oil sector today are:

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- No use or low use of plant nutrients
- Low productivity of oilseeds.
- Lack of proper machinery and plant manufacturers
- Time Consuming Project Commissioning
- Non - Optimum Projects - High Production Cost
- Improper Education



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Established in 1982, we have dedicated technical team supported by experienced consultants in various industries and R&D. is focused on gaining an edge over the others in the market, thereby ensuring its status as "one and only".

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continuous & consistent Client-Support. Since Sundex is constantly alive to the ever-growing and ever-changing nature of technology, the clients are kept updated from time to time with the latest technology developments in all around the globe.

Why us: Quality, Professionalism, Research based Teamwork, Responsibility, Trust, Hard work & Commitment are our values.

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- Executing effective projects within stipulated time.
- Leaders in providing Project Management, Procurement Services, Manufacturing construction, Layout designing
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Olive Oil production expected to decrease significantly in Spain

Spain's total olive oil production is expected to decrease by 44 percent in the 2019/20 crop year, according to an estimate by Andalusia's Olive Oil Sector Council of Agri-food Cooperatives. At a meeting in Jaén, the coalition of olive oil producing cooperatives said that production was likely to be around one million tons, which would be the lowest yield since 2014/15. Last year, Spain produced 1.77 million tons, a record high, according to the Ministry of Agriculture, Food and Fisheries. The Olive Oil Sector Council blamed the hot and dry spring for the larger-than-expected production decrease but did say that this could change depending on the weather for the rest of the summer and autumn. The province of Toledo, which sits just southwest of Madrid, is predicted to be hit especially hard with an estimated 80-percent decrease in production. Overall, the regions of Extremadura and Castilla-La Mancha, which are generally the



second- and third-largest producing regions in Spain, are also expected to experience sizable production decreases this year. Andalusia – the largest olive oil-producing region in Spain by a wide margin – is expected to experience a decline of about 48 percent. Producers expect to yield about 760,000 tons of olive oil, down from 1.56 million tons last year. These predictions largely match ones made by Andalusia's Coordinator of Agriculture and Livestock Organizations (COAG) in June, which predicted a production decrease of about 50 percent.

India notifies imports of 30K tonne crude soya oil from Paraguay

India notified imports of 30,000 tonne of crude soya oil from Paraguay at concessional customs duty rate of 10 percent under a trade agreement. "TRQ (tariff rate quota) quota for import of 30,000 tonne of crude soya oil from Paraguay under India-Mercosur trade agreement is notified," the Directorate General of Foreign Trade (DGFT) said in a notice. TRQ is a quota for specified volume of exports that enter India at relatively low import duty. After the quota is reached, a higher tariff applies on additional imports. India has a preferential trade agreement with MERCOSUR, a six-country trade bloc, including Brazil, Argentina, Paraguay and Uruguay. The pact came into existence from June 2009. India's bilateral trade with MERCOSUR was \$10 billion in 2015-16 as compared to \$14.24 billion in 2014-15. Under the pact, both the sides have reduced or eliminated customs duties on certain number of goods traded between them. India and the bloc are discussing ways to enhance scope of this agreement to further boost trade ties.



Horticulture production in 2018-19 to be 313.85 million tonnes



Department of Agriculture, Cooperation and Farmers Welfare has released the Third Advanced Estimate (2018-19) of Area and Production of various Horticulture Crops. This is based on the information received from different State/UTs and other source agencies.

Highlights

- The Total Horticulture Production of the country is estimated to be 313.85 Million Tonnes which is 0.69% higher than the Horticulture Production in 2017-18.
- As area under Horticulture Crops has remained broadly at the same level, the higher production owes mainly to Productivity gains.

Total Horticulture	2017-18	2018-19 (Third Advanced Estimate)
Area (Million Ha)	25.43	25.49
Production (Million Tonnes)	311.71	313.85

- Overall increase is observed in production of Fruits, Vegetables, Spices, Flowers and Honey whereas decrease is observed in production of Plantation and Aromatics & Medicinal crops as compared to last year.
- Fruits Production is estimated to be around 98.57 Million Tonnes, compared to 97.36 Million Tonnes last year.
- Vegetables Production is estimated to be around 185.88 Million Tonnes, which is 0.81% higher than the production last year.
 - Onion Production is estimated to be around 23.48 Million Tonnes, which is 0.95% higher than the production last year.
 - Potato Production is estimated to be around 53.03 Million Tonnes, which is 3.4% higher than the production last year.
 - Tomato Production is estimated to be around 19.39 Million Tonnes, which is 1.8%, lower than the production last year.
- Spices Production is estimated to be around 9.22 Million Tonnes, which is higher than the production last year.

Honey may turn sweeter for Indian exporters



Honey may turn sweeter for Indian exporters in the current financial year owing to the ongoing trade war between the United States and China that may lead to a spurt in demand for the local produce. Honey exports from India grew 19% year-on-year in 2018-19 to \$105 million and 13% in the previous fiscal to \$101 million amid increasing demand. In the first two months of the current fiscal, exports amounted to \$18 million. Punjab, West Bengal, Uttar Pradesh and Bihar are among leading honey producing states in India. The US is the largest importer of honey in the global market and also a top destination for Indian honey. China is a dominant exporter because of its cheaper prices and highest output in the world. Nonetheless, exporters are optimistic that the ongoing US-China trade war will boost exports from India and keep up the double-digit growth in volumes. Argentina and Brazil have gained in honey trade because of currency fluctuations. In 2018, global honey sales stood at \$2.26 billion.



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The company's robust and cutting-edge infrastructure is established over a wide area of land. This facility is outfitted with modern machines, which are used for all their operational processes. Their quality controller team checks the product line on various quality tested parameters. Hence, they have been successful in maintaining the trust and confidence of their patrons. Also, their employees devotedly work towards making clients' specific products. The atmosphere at the organization is properly coordinated, which aids in designing and developing flawless range of products. Jawla Advance Technology is the famous name among their patrons by adhering to client-centric policies. Owing to their high-quality FFS packaging machine; they have such a top position in this domain. In addition to this, they offer many payment options that help clients to conduct hassle free transaction with them. Also, their quality controller's team stringently checks the products before final delivery to ensure the defect-free and high-performance products are being supplied to the market. Since the commencement of firm, they have well equipped infrastructure unit. This well-connected infrastructure unit is managed by skilled professionals and facilitated with advanced and modern production machines. Apart from this, their infrastructure unit helps them to cater the requirements of their clients. They have divided our organization into various departments like:

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Demand turns premium 'Gobindobhog' rice pricey

Prices of Bengal's premium variety of aromatic rice, Gobindobhog, has firmed up by nearly 27 percent on a year-on-year basis, backed by a good demand from both domestic and international markets. The average price of Gobindobhog paddy at the farmers' end firmed up by nearly 27 percent at Rs 3,800 a quintal in August this year, compared with Rs 3,000 in the same period last year. The price was ruling at around Rs 2,800 a quintal in January this year. It, however, started to strengthen steadily following good demand from Bangladesh and the markets in South India. Gobindobhog is a non-Basmati type indigenous aromatic rice from West Bengal. The paddy variety, which got the GI (Geographical Indication) status in August 2017, is primarily cultivated in East Burdwan district in the Raina 1, Raina 2 and Khandaghosh blocks. The price of the rice at the miller's point is hovering around Rs 6,400 a quintal, as against Rs 5,100 a quintal in same period last year. The increase in prices is despite the fact that the State witnessed a 17 percent rise in production of Gobindobhog paddy this year. Close to 2.8 lakh tonnes of Gobindobhog paddy was produced in 2018-19, as against 2.4 lakh tonnes in 2017-18. Nearly 55-56 percent of this is converted into rice. Driven by the prospect of earning more, farmers in Bengal have taken to cultivating Gobindobhog. The area under cultivation, which was close to 35 hectares in 2016-17, has increased to 51 hectares in 2018-19. Farmers cultivating this variety stand to earn Rs 2,000 a bag (of 60 kg) or close to Rs 3,300 a quintal, compared with Rs 800-900 a bag (of 60 kg) or Rs 1,500 a quintal for the common Swarna variety. There is an apprehension that the production of Gobindobhog paddy will be lower this year on account of the delayed rain during the sowing season in June-July. The new crop begins to arrive by November-end or early December. The prices are likely to remain firm till the new crop begins to arrive in the market.

Germany expects larger wheat crop despite heatwave

Germany will produce a larger wheat harvest this year despite the impact of an early summer heatwave followed by repeated rain, the agriculture ministry said. The country will harvest 22.71 million tonnes of its most important grain type, winter wheat, up 15.9 percent from 2018's drought-hit crop, the ministry said in its first harvest estimate. The wheat harvest of all types will rise 13.7 percent on the year to 23.03 million tonnes, it said. Germany's rapeseed harvest will fall 21.9 percent on the year to about 2.9 million tonnes. A sharp drop had been generally expected because of a big reduction in rapeseed plantings following dry weather in autumn 2018. Germany is the European Union's second-largest wheat producer after France and in many years the EU's largest producer of rapeseed, Europe's main oilseed for edible oil and biodiesel production. After last summer's drought, German grains this summer also suffered from a heatwave that saw record temperatures in much of western Europe in late July, while repeated rain especially in northern and eastern Germany delayed harvesting, it said. The winter wheat crop is 6.6% under the six-year average and the rapeseed crop is 41.7% below, the ministry said. The harvest of winter barley, largely used for animal feed, is expected to rise 33.2% on the year to 9.82 million tonnes. Winter barley was generally ripe when the July heatwave arrived and so escaped late-season damage. The spring barley crop, used for malt and beer production, is seen falling 11.8% to 1.94 million tonnes. The maize crop is forecast to rise 13.1 percent to 3.78 million tonnes but this would be 10.7 percent below the six-year average.



4th Advance Estimates of production of major crops for 2018-19

The 4th Advance Estimates of production of major crops for 2018-19 have been released by the Department of Agriculture, Cooperation and Farmers Welfare on 19th August, 2019. The assessment of production of different crops is based on the feedback received from States and validated with information available from other sources. The estimated production of various crops as per the 4th Advance Estimates for 2018-19 vis-à-vis the comparative estimates for the years 2005-06 onwards is enclosed. As per 4th Advance Estimates, the estimated production of major crops during 2018-19 is as under:

- Foodgrains – 284.95 million tonnes.
- Rice – 116.42 million tonnes. (record)
- Wheat – 102.19 million tonnes (record)
- Nutri / Coarse Cereals – 42.95 million

tonnes.

- Maize – 27.23 million tonnes.
- Pulses – 23.40 million tonnes.
- Gram – 10.13 million tonnes.
- Tur – 3.59 million tonnes.
- Oilseeds – 32.26 million tonnes
- Soyabean – 13.79 million tonnes
- Rapeseed and Mustard – 9.34 million tonnes
- Groundnut – 6.69 million tonnes
- Cotton – 28.71 million bales (of 170 kg each)
- Sugarcane – 400.16 million tonnes (record)

As per Fourth Advance Estimates for 2018-19, total Foodgrain production in the country is estimated at 284.95 million tonnes which is higher by 19.20 million tonnes than the previous five years' (2013-14 to 2017-18) average production of foodgrain. Total production of Rice during 2018-19 is estimated at record 116.42

million tonnes. Production of rice has increased by 3.66 million tonnes than the production of 112.76 million tonnes during 2017-18. It is also higher by 8.62 million tonnes than the five years' average production of 107.80 million tonnes. Production of Wheat, estimated at record 102.19 million tonnes, is higher by 2.32 million tonnes as compared to wheat production of 99.87 million tonnes achieved during 2017-18. Moreover, the production of wheat during 2018-19 is also higher by 7.58 million tonnes than the average wheat production of 94.61 million tonnes. Total Pulses production during 2018-19 is estimated at 23.40 million tonnes which is higher by 3.14 million tonnes than the last Five years' average production of 20.26 million tonnes. Total Oilseeds production in the country during 2018-19 is estimated at 32.26 million tonnes which is higher than the production of 31.46 million tonnes during 2017-18. Moreover, the production of oilseeds during 2018-19 is also higher by 2.61 million tonnes than the average oilseeds production. With an increase by 20.25 million tonnes over 2017-18, total production of Sugarcane in the country during 2018-19 is estimated at 400.16 million tonnes. Moreover, the production of sugarcane during 2018-19 is also higher by 50.38 million tonnes than the average sugarcane production of 349.78 million tonnes. Production of Cotton estimated at 28.71 million bales (of 170 kg each) and production of Jute & Mesta estimated at 9.77 million bales (of 180 kg each).

Source: National News Service (NNS)

Commercial buckwheat farming on the rise in Manang

Commercial buckwheat farming is flourishing in Manang district in the recent years. Farmers are attracted towards buckwheat because other grains including paddy, maize, and millet could not be cultivated in a substantial volume in the district. Buckwheat is now being planted in every local level of Manang. During the fiscal years 2017/18, farmers cultivated buckwheat in 286 hectares and produced 508 metric tons of the crop in the district. Similarly, in FY 2015/16, 502 metric tons of buckwheat was yielded from 286 hectares. Farmers use buckwheat flour for *dhido* (staple food made out of various flours boiled in water) and bread, which delight the tourists visiting the district. Farmers in the district usually sow the seed in mid-June and harvest in Mid-October.





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(Left-Right) Mr. Vishendra Kumar, National Bureau Chief, NNS Media Group; Mr. Rajesh Gupta; Dr. Satya Pal Singh; Dr. Ramesh Pokhriyal 'Nishank'; General (Dr.) V. K. Singh (Retd.) and Mr. Akshay Gupta, Director, NNS Media Group on the dais



General (Dr.) V. K. Singh (Retd.) and Dr. Satya Pal Singh lighting the inaugural lamp



Mr. Rajesh Gupta presenting a souvenir to Dr. Ramesh Pokhriyal 'Nishank'



Mr. Akshay Gupta presenting a souvenir to General (Dr.) V. K. Singh (Retd.)



Mr. Vishendra Kumar presenting a souvenir to Dr. Satya Pal Singh



Mr. Durga Shanker Mishra (IAS), Secretary, Ministry of Housing and Urban Affairs receiving the 'Rashtriya Icon Award'



Mr. Kushal Vashist receiving the 'Rashtriya Icon Award' on behalf of Mr. C.K. Mishra (IAS), Secretary, Ministry of Environment, Forest and Climate Change because of his sudden travel



Mrs. Rekha Sharma, Chairperson, National Commission for Women receiving the 'Rashtriya Icon Award'



Dr. Mangu Singh, Managing Director, Delhi Metro Rail Corporation receiving the 'Rashtriya Icon Award'



Mr. Raajiv Yaduvanshi (IAS), Principal Secretary, Public Works Department receiving the 'Rashtriya Icon Award'



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Dr. B.N.S. Murthy, Horticulture Commissioner, Ministry of Agriculture & Farmers Welfare receiving the 'Rashtriya Icon Award'



Mr. P. Udayakumar, Director, National Small Industries Corporation receiving the 'Rashtriya Icon Award'



Dr. Neeru Bhooshan, Principal Scientist & Incharge, ZTM & BPD Unit, ICAR- IARI receiving the 'Rashtriya Icon Award'



Mr. Ajay Goyal (IRS), Deputy Commissioner, Dept. of Income Tax receiving the 'Rashtriya Icon Award'



Mr. Prem Singh Malik, Director, Dept. of Fisheries, Govt. of Haryana receiving the 'Rashtriya Icon Award'



A view of Award Ceremony Hall



Researchers make case for fortifying wheat flour with vitamin D

Fortifying wheat flour with vitamin D would prevent 10 million new cases of vitamin D deficiency in England and Wales over the next ninety years, researchers say. The researchers from the University of Birmingham say overhauling existing public health policy to introduce the mandatory fortification of vitamin D in wheat flour would not only be cost saving but would significantly reduce the burden on the NHS by preventing 25% of the estimated 40 million new cases of vitamin D deficiency over the coming 90 years. Furthermore, offering free vitamin D supplements to targeted groups of the population would prevent an additional 8% of new cases of vitamin D deficiency over the next 90 years. Therefore, the combination of wheat flour fortification and targeted supplementation would in total prevent 33% (13.2 million) of cases of vitamin D deficiency, the researchers said. Dietary sources of vitamin D are limited, leading most countries to adopt policies to increase their population's intake of vitamin D. In the UK, multivitamin supplements containing vitamin D are recommended to all children aged up to four, pregnant women and breastfeeding mothers and are provided free-of-charge to those in low-income households. Meanwhile, the Birmingham researchers' latest analysis showed that the optimal way to prevent vitamin D deficiency would be to combine flour fortification with offering vitamin D supplements to key groups. They proposed a new UK strategy to add 400IU of vitamin D per 100g of flour, while also offering free vitamin D supplements at a dose of 400IU for children aged up to 18, as well as doses of 800IU for all those aged over 65. This, they estimated, would cost £250 million over 90 years – equivalent to 38p per person. Published in European Journal of Clinical Nutrition, the research was funded and led by the University of Birmingham's Institute of Applied Health Research and Institute of Metabolism and Systems Research.

Zambia introduces maize price cap to keep it affordable

Zambia has introduced a cap on the price of maize to keep the staple food affordable, sparking protest from commercial farmers who accused the government of bringing back price controls. Agriculture Minister Michael Katambo said that millers, stockfeed manufacturers, chain stores and grain traders agreed in a meeting with the government to peg the price of maize at a maximum of 2,600 kwacha (\$198.93) per tonne. The price of maize meal, Zambia's staple food, has in some cases doubled to 150 kwacha per 25 kg bag from 75 kwacha early this year. Zambia's 2019 maize production is expected to fall 16% to about 2 million tonnes from 2.39 million tonnes last year largely due to prolonged dry weather, Katambo said in May. Katambo said that the private sector panicked and rushed into the market thinking that there was not enough maize and this pushed up prices. Katambo said Zambia still had sufficient maize stocks and indications were that less than 1 million tonnes of maize had been bought from the 2 million tonnes the country produced. The Zambia National Farmers' Union (ZNFU), which represents commercial farmers condemned the cap, saying prices should be left to market forces.



Dr Harsh Vardhan inaugurates state-of-the-art National Food Laboratory of FSSAI

fssai



"We not only have to provide right food, but also ensure that there is strict implementation of laws and the compliance of standards to assure that citizens have safe and wholesome food." This was stated by Dr Harsh Vardhan, Union Minister of Health and Family Welfare at the inauguration of the first ever state-of-the-art National Food Laboratory-Delhi, NCR of the Food Safety and Standards Authority of India (FSSAI) at Ghaziabad. The Union Health Minister also laid the foundation stone of the FSSAI Tower along with the Minister of State (HFW), Shri Ashwini Kumar Choubey. At the function, Dr Harsh Vardhan released a report "Food Laboratories in India: a Meta Study" and awarded Certificate of Recognition to 13 National Reference Laboratories. Speaking at the inaugural event that also marked the 13th anniversary of the Food Authority since the Food Safety and Standards Act came into effect in 2006, Dr Harsh Vardhan stated that under the visionary and inspirational leadership of our beloved Prime Minister Shri Narendra Modi ji, health has become one of the top priorities of this government and it reflects that the Prime Minister is committed to fundamentally transforming the country and give quality health services to the people. "This could be gauged from the fact that there is now a network of food testing laboratories established in the country and recognized by FSSAI. Such laboratories have increased to 261 as of now from 138 during the year 2014," he elaborated.

Dr Harsh Vardhan also commended FSSAI for taking the initiative to operationalise a system to approve the rapid kits and tests. This approval system, a first of its kind in terms of regulatory provisioning, would help hasten decision making by the regulatory officials and also provide a quicker means to create information base on emerging risks as well as ground realities of safety issues. On this occasion, Dr Harsh Vardhan also presented the State of Uttar Pradesh with two "Food Safety on Wheels (FSW) vans" to cater to the food testing requirements in Ghaziabad and Western UP. These mobile food-testing vans would be utilized for training and awareness-building activities as well. He stated that in near

future 500 such food safety and testing vans shall be available to support the States in ensuring food safety.

Shri Ashwini Kumar Choubey, MoS (HFW), congratulated FSSAI and stated that "This Public-Private-Partnership in the food testing ecosystem will synergize the efficiency of the private sector and the regulatory control of the Government in an efficient manner. I have full confidence in the success of this partnership and hope to see more such collaborations for other laboratories in the country." The National Food Laboratory (NFL), Delhi, NCR, former Food Research & Standardized Laboratory (FRSL, Ghaziabad) is one of the two premier referral laboratories under the direct administrative control of FSSAI. NFL-Delhi, NCR, renovated and operationalized under a unique Public-Private-Partnership (PPP) model is the first of its kind venture in the food sector. It also houses state-of-the-art collaborative training centres namely The Food Safety Solution Centre (FSSC) and Centre for Microbiological Analysis Training (C-MAT). NFL-Delhi, NCR symbolizes synchronization of policy driven partnerships and collaboration with a holistic approach and a future vision. The NFL is furnished with a comprehensive array of equipment with the latest technologies and facilities to conduct analysis as per global accreditation standards for testing and calibration. FSSAI will also be establishing NFLs at Mumbai and Chennai in the near future along the same lines.

The FSSAI Tower situated at NFL-Delhi, NCR, has been envisaged to accommodate not only additional manpower but also host visiting faculty and trainee officers during trainings and conferences. Other facilities include a cafeteria, day-care centre, fitness centre, conference hall and training centre. This eight-floor tower with adequate parking facilities shall further augment the capabilities of FSSAI and its National Food Laboratory. Also present at the event were, Ms. Rita Teotia, Chairperson (FSSAI), Shri Pawan Agarwal, Chief Executive Officer (FSSAI) along with over 200 stakeholders from the Government, scientific community, food businesses and corporates and partners to mark this occasion.

India raises import tax on Malaysian refined palm oil by 5%

India has raised the tax on refined palm oil from Malaysia to 50 percent from 45 percent for six months to curb imports and boost local refining. The world's biggest edible oil importer currently imposes a 40 percent import tax on crude palm oil and 50 percent on refined palm oils. But since January, shipments of refined palm oils from Malaysia have been taxed at 45 percent, under an agreement with Malaysia. This reduced the effective difference in duty between crude palm oil and refined palm oil from Malaysia for Indian refiners to 5.5 percent from 11 percent, making overseas buying of refined palm more lucrative. That led to a 727 percent surge in Malaysia's refined palm exports to India in the first half of 2019 to 1.57 million tonnes compared



with the same period a year before, according to data compiled by the Malaysian Palm Oil Board. Mumbai-based trade body the Solvent Extractors' Association of India said rising shipments of refined palm oil hit local refiners and filed an application with the Directorate General of Trade Remedies for an investigation. India imports palm oil mainly from Indonesia and Malaysia. Indonesia traditionally claimed two-thirds of India's palm oil imports, but in the first half of 2019 Malaysia surpassed Indonesia as biggest supplier to India due to the duty advantage. Palm oil accounts for two-thirds of India's vegetable oil imports. New Delhi also imports soybean oil from Argentina and Brazil and sunflower oil from Ukraine and Russia. SEA of India welcomes the notification for imposing 5% safeguard Duty on Malaysian RBD Palmolein/RBD Palm Oil.



Canola harvest expected to be smallest in 4 years

Canadian farmers expect to harvest the smallest canola crop in four years due to reduced plantings, according to a government report amid a diplomatic dispute between Canada and China, the top importer of the crop. The spat, centred on the arrest of a Chinese executive in Canada and China's subsequent arrest of two Canadians, has curbed canola export sales since early this year and weakened prices just as farmers were deciding what to plant this spring. Dry conditions threatened crops earlier, but timely rains in June and July boosted crop prospects, Statistics Canada said in its first production forecast. Canola production looked set to reach 18.5 million tonnes, down nine percent year over year, and below the average trade estimate of 18.9 million tonnes. Canada is one of the world's largest wheat exporters and the biggest shipper of canola, a cousin of rapeseed used largely to produce vegetable oil.

Brazilian soybean exports decline

Brazil's soybean exports dropped 34.4% in August compared to the previous year, and were down 32% compared to the previous month, according to data from the Secretariat of Foreign Trade of Brazil (SECEX). So far for the year, exports are down 9.5%, S&P Global Platts reported. Brazil has shipped 80% of soybeans to China since January. Other major destinations include Spain, Turkey, Iran and the Netherlands. Brazil has an advantage in the Chinese soy market given the ongoing trade war between the United States and China, S&P said, citing sources. But increasing soybean prices, higher domestic demand and lower inventories may limit export growth in the last quarter of the year. Soy meal exports were down 6% year-over-year in August to 1.36 million tonnes. Top destinations included the Netherlands, Indonesia, France, Thailand and South Korea. Soy oil shipments also were down 52% in August to 99,700 tonnes.



Spent Earth Oil For Biodiesel Plants



PREM AGGARWAL
Chief Executive Officer



NEEPAJ TRADERS
— Soap Oils & Edible Oils —

Methods for recovering oil from spent bleaching earth are described. Blowing steam and circulating hot water through spent bleaching earth reduce its oil content to only cost analysis 25% and 20%, respectively. Oil extraction from spent earth with hexane is economically feasible for expensive and relatively stable oils only. Because of its simplicity and low cost, extraction is economically feasible. The problems with respect to the disposal of the extracted material are discussed.

The dependence of the adsorption of fluoride on the pH of the solution has been studied to achieve the optimum pH- value and a better understanding of the adsorption mechanism. It has been found that maximum adsorption of fluoride from aqueous solutions take place at pH-value of 3.5. Second-order equation was used to describe the adsorption rate of fluoride and adsorption rate constant was calculated.

Spent oil industry is flourishing day by day. This industry is fulfilling the 1st need of the **BIODIESEL PLANTS**, the soap industry, chemical industry and poultry feed industry. The spent oil is recovered from used bleaching earth of refineries. The solvent extraction plant recovers 18% to 22% oil from the used bleaching earth.

Some refineries are further refining the solvent extracted spent oil, to make it useable for the poultry industry. They reduce the FFA from 30 to 3 FFA.

At present solvent plant without refining is not viable. The company who wants to enter in the extraction of oil from spent earth must attach refining unit with solvent plant.

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800 leaders from 82 countries attend the Bühler Networking Days

“Industry must become part of the solution”

Uzwil (Switzerland), August 26, 2019 – Governed by the motto “Creating tomorrow together,” over 800 decision-makers and partners of the global food and mobility industries are meeting from today to attend the second Bühler Networking Days in Uzwil. The focus of the two-day event is on the question of how it will be possible in 2050 to feed a global population of almost ten billion people sustainably and healthily and how to ensure their mobility. “Climate change and the demands of our growing population are huge challenges. At the same time, we live in the best world in history. And never have we had such powerful technologies at our disposal,” says Stefan Scheiber, CEO of Bühler Group. He adds that the crucial point is that industry, research, and politics must use these new and sustainable technologies to cope with these challenges and that these various players must work together toward this goal. “Our aim is to reduce energy requirements, water consumption, and waste by 50% in our customers' value chains,” says Scheiber. Another important point for him is a change of perception: “Industry must become part of the solution.”



Three years after the first Bühler Networking Days, Uzwil will once again be at the center of the global food and mobility industries for two days. The companies represented nourish around four billion people every day and help fulfill their mobility needs. “The fact that so many manufacturers, scientists, industry partners, and start-ups are coming together here today shows that the industrial community is prepared to bear its responsibility and to become part of the solution,” says Stefan Scheiber, CEO of Bühler Group.

Bühler has invited distinguished speakers to the Networking Days, including Gro Harlem Brundtland, the former Norwegian prime minister and a decades-long important voice on climate change; Stefan Palzer, Chief Technology Officer of Nestlé; Patrick Dupin, CEO of Saint Gobain Northern Europe, Francois Pienaar, who led South Africa to victory in the 1995 Rugby World Cup; Sunny Verghese, co-founder and CEO of Olam International and chair of the World Business Council For Sustainable Development, and John Harthorne, the founder of the start-up accelerator MassChallenge.

Dramatically deteriorated situation

An enormous need for action exists to build sustainable value chains in food and feed production and mobility. “Since our first Networking Days, the challenge has increased. It is urgent now,” says Ian Roberts, Chief Technology Officer of Bühler. Just a few figures demonstrate this: Whereas three years ago it was assumed that the global population would rise to about 9 billion by 2050, it is now growing much faster. Now we expect almost 10 billion. At the same time, global warming is increasing. The chances are dwindling that it can be limited to below 1.5 degrees centigrade. Agriculture accounts for 25 percent of all greenhouse gas emissions and 71 percent of all fresh-water consumption. Food production accounts for 30 percent of global energy consumption, with 30 percent of all food being wasted or discarded. Despite this, 800 million people are still going hungry. Of eight million animal and plant species, roughly one million are in acute danger of extinction because of climate change and the destruction of their habitats.

The decision is being made now

“The coming ten years will decide what heritage we will pass on to the future generations,” says Roberts: “We must act now. We must collaborate within our entire ecosystem. And we must radically change our behavior as industries, as companies, and as individuals.” Bühler has therefore decided to increase its sustainability goals and to add water as a new aspect. Bühler's next-generation process solutions are to become 50 percent more efficient. In other words, they are to use 50 percent less energy, consume 50 percent less water, and produce 50 percent less waste. “We have not changed our targets because we have achieved our original goal of 30 percent, but because we have concluded that they are simply not high enough,” says Roberts. In order to achieve these goals, Bühler is exploiting the possibilities of digitalization and partnering with customers, suppliers, and



start-ups – to develop solutions meeting or even exceeding these goals. “We are focusing our research and development spending and our partnerships on these new 50-percent targets. And we are convinced that this will produce good business models,” says Roberts.

Sustainable solutions already today

At the Networking Days, Bühler is presenting solutions that contribute to its sustainability targets even today:

- **Revolutionary Mill E3 and digital Yield Management System:** With Mill E3, Bühler is yet again redefining industrial grain milling. Thanks to a completely new mill design, new technologies, and systematic digitalization, mills of the future will take up 30 percent less space, use 10 percent less energy, and boost yields by several percentage points, depending on the specific application.
- **Energy-efficient wafer baking oven SWAKT-ECO:** A novel heating concept slashes gas consumption by as much as 25 percent and emissions by up to 90 percent.
- **Safe foods with Laatu,** the completely new technology for microbial reduction: Safe low energy electrons destroy 99.999 percent of all salmonellae in dry products such as spices. In comparison to steam treatment, Laatu cuts energy usage by as much as 80 percent, while water requirement and the application of chemicals is reduced to zero.
- **Digital die-casting cell:** Bühler has developed the digital die-casting cell for manufacturing aluminum and magnesium components. The vision is to produce castings with a reject rate of 0 percent, a 40 percent shorter cycle time, and 24/7 uptime. The new die-casting machine Fusion is part of the digital cell. It lowers energy consumption by as much as 40 percent.
- **QualiB:** Bühler has developed a quality verification process for mixing the electrode slurries used in lithium-ion batteries that applies data-based algorithms in order to ensure that only the very best slurry quality will make it to the next production stage. QualiB is capable of preventing over 1000 kilograms of waste per week (based on an output of 1000 kilograms per hour).
- **Industrial-scale insect processing:** For just under ten years now, work has been proceeding on the industrial processing of insects for protein production. In June 2019, Bühler and the Dutch producer Protix opened the world's first and at the same

time largest insect protein plant. The larvae of the black soldier fly transform low-grade food residues quickly and sustainably into body mass, thereby returning the waste to the food cycle. They need only very little space for growth, which gives them a very much smaller carbon footprint than other sources of protein. The protein of the larvae is processed into sustainable feeds. This reduces the pressure on other feed sources such as soya or fishmeal.

- **Meat alternatives:** Bühler has developed a special extrusion technology allowing meat food substitutes to be produced which have delicious taste, for instance from environmentally beneficial protein sources such as legumes.

People as the success factor

In order to allow even more such effective solutions to be applied on the broadest scale possible, a new level of collaboration, knowledge transfer, and training and continuing education is required. In addition to the Networking Days as an industry platform, Bühler has invested for decades in schools, training opportunities, dual education, and application centers. The most recent example is its new CUBIC Innovation Campus, which opened in Uzwil in May 2019. The investment of over 50 million Swiss francs houses eight new application centers. This brings the global knowledge network of Bühler up to a total of 29 application



centers for joint development ventures with customers and start-ups, over 7800 vocational training courses, around 600 apprentices at 25 locations, and dozens of cooperation programs with universities. “Now, in order to bring about the change toward sustainable food and mobility, we need all the talents there are and excellently educated people – regardless of their age, gender, nationality, religion, or position in the hierarchy,” says CEO Stefan Scheiber. He says that what counts in designing the transformation is not only expertise, but also passion, a readiness to accept responsibility, and communication and collaboration skills. That, he believes, is why diversity and openness as well as a curious mind are so important. “If we manage to make use of the knowledge of all of humankind, to utilize the full potential of technologies, and to really apply them in the global marketplace, we will have a chance of making a step toward the ecological turnaround. This requires values, passion, and collaboration,” concludes Stefan Scheiber.

Walnut production area in Ukraine forecast to reach 18,900 ha



The walnut production area in Ukraine is forecast to reach 18.9 thousand hectares (ha) for MY2019/20, one percent above the 18.7 thousand ha harvested in MY 2018/19. According to the State Statistics Service of Ukraine (SSSU) data, the growth of production area was achieved through an influx of new commercial orchard planting, overriding the retirement of older, Soviet-era orchards. Similarly, yields from newly planted varieties, managed with improved production technologies using irrigation, fertilizers, pest and

disease control, has offset the declines in production resulting from scaling down old walnut orchards. The majority of all walnuts harvested in Ukraine are produced by small private family farms that harvest trees growing on their land plots or in the vicinity of their farms. This category of producers is not typically concerned with the application of fertilizers and agrochemicals and uses manual labor for harvesting and shelling of the walnuts. Harvested walnuts are typically sold to intermediaries, who assemble batches designated for export.

Oregon hazelnut production forecast dips 4%



Oregon hazelnut production is expected to dip slightly in 2019 compared to last year's record-setting crop, though the industry remains poised for long-term growth as orchards planted within the last five years begin reaching maturity. The USDA National Agricultural Statistics Service estimates growers will harvest 49,000 tons of hazelnuts, which is 4% less than 2018 but still the second-highest total since 2008. NASS released the annual forecast Aug. 20, funded by the Oregon Hazelnut Industry Marketing Board. Nearly all U.S. hazelnuts are grown in the Willamette Valley. While Oregon produces just 3-5% of the world's hazelnuts, figures show acreage is expanding. Total planted acres have nearly tripled over the last decade, from 30,000 to more than 80,000. About 50,000 acres are now bearing nuts, while the rest is young orchards between 1 and 5 years old. China buys a little more than half of all the hazelnuts grown in Oregon, including 60% of in-shell varieties.

Australians go nuts for non-dairy 'milks'

Almond milk is close to taking over from soy milk as the most popular alternative milk in Australia, as the market for plant-based dairy alternatives continues to grow. Demand for almond milk soared over the past five years, moving from less than 20 percent of the non-dairy milk market to almost half, according to research company IBISWorld. Meanwhile, soy milk lost its dominance, declining from almost 70 percent to less than half. Consumption of dairy milk has declined steadily while plant-based milk now accounts for about 7 per cent of all milk consumed in Australia - and with more than two million Australians identifying as either vegetarian or vegan, that number will likely increase. Despite the huge inroads from almond milk in the past couple of years, soy remains a clear favourite at the coffee shop for those seeking a dairy-free option. Many in the dairy industry have fought the rise of dairy-free products in the past few years, calling for restrictions on the use of the word "milk".



FOODEES GROUP

FOODEES GROUP OF CONSULTANTS

Delhi based **"FOODEES GROUP"** is an internationally acclaimed Consultancy Organization engaged in providing comprehensive services for establishing processed food industries in different segments / verticals. Managed by team of young, dynamic, qualified & experienced and dedicated professionals from the processed food industry, Foodees Group, with its enormous & enriching experience in plant modules, customized equipments supplies, processing techniques, technology transfer, quality control & assurance,

regulatory compliances, product development etc provides total end to end solutions, from idea to raw material selection to engineering to processing and finally packing as per consumer needs.

"FOODEES GROUP OF CONSULTANTS" is the first consultant Firm from India to have been awarded with **RUSSIAN REPUBLIC CERTIFICATION "Talas - Kyrgyzstan"** for market consultancy for Organic green tea and cane.

Profile of Dr. Girish Gupta

Dr. Girish Gupta, Ph.D is the CEO of the FOODEES GROUP OF CONSULTANTS. He has a 30 year vast experience in food industry. He has helped / incubated various food projects in different segments all over India. He has worked/ done leadership roles in strategic positions in different Indian & MNC companies Dr. Girish Gupta is also known as the "Moving Encyclopedia" of Processed food industry in India.



Dr. Girish Gupta
(Founder), Ph.D.

We have association with various food machinery suppliers all over world. They are some of the trustworthy and renowned names in the industry. We are equipped with required echo system & have team of skilled professionals who make sure that plant & machinery installation & commissioning should be just perfect while we source the plants from the best of Vendors. We analyze the vendors on certain parameters and then only we place our order for the required products.

We are facilitated with a sophisticated R & D wing backed by a hard-working team of R&D professionals.

Nothing speaks louder than satisfied customers do. We are proud of the relationship we have built with many-reputed esteemed organizations like Haldiram (Noida), Kishlay (Assam), Yellow Diamond (Indore), Balaji (Gujarat) for Chips and Extruded Products. Our clients in Nepal: Maruti Snacks, Pokhra Noodles (P) Ltd, Himalaya Snacks & Noodles (Nepal), National Group of

Companies. Other Prominent Clients are: For Corn flakes - Keshri Food (Banaras), Savour India (Delhi), Gopal Chips (Kosi), Sarjan Nutraceuticals Pvt Ltd (Ahmedabad), Baggy's India Ltd. (Delhi), Sonthalia Food Pvt Ltd (Orissa).

For Spices: Praveen Masala (Pune), Jeet (India) Pvt. Ltd. (Noida), Dharampal Sataypal 'Catch Spices' (Noida).



GROUP COMPANIES

Recently, he has started a new company named **SHRISTI FOOD EQUIPMENT EXIM PVT LTD** to carry on business in India and Abroad as manufactures, importers, exporters and dealer of all the kind of food equipments, machine tools,

spares and industrial machinery especially for food industries. In short span of 4 years, SFEEPL, Delhi has supplied & successfully commissioned about 125 Plants in various Food Categories.

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Truant rains, sanctions on Iran hurt turmeric

The Erode region in western Tamil Nadu, a top turmeric growing belt, witnessed lower than normal rainfall initially. Lower rainfall and lower water level in reservoirs forced many farmers there to switch from turmeric to tapioca. The area under turmeric could eventually be 30-40 percent lower than the previous year, analysts felt. Interestingly, at the same time, in Maharashtra and Karnataka, turmeric growing regions like Sangli and Belgaum reportedly had excess rainfall. As per initial reports, turmeric standing crop was damaged due to waterlogging. Before that turmeric sowing area in the Sangli region came down by 10-15 percent due to deficient rainfall. Going by the state-run Spices Board statistics, turmeric was grown in 2,24,260 hectare during 2017-18, with production of nearly 11,07,920 tonne, which was lower than the 2016-17 level of 2,48,050 hectare and 12,15,520 tonne. India is the largest turmeric producer, with 75-80 percent share of the global production, and the demand for the commodity has been increasing rapidly from the medicinal and cosmetic industry. The Centre has raised the 2018-19 turmeric output estimate to 1.39 million tonne versus 1.15 million tonne. Indian turmeric exports have recently been hit by the US sanctions against Iran, the largest buyer of the spice from India. Turmeric exports to Iran have nearly come to a standstill since May following the expiry of the US sanctions waiver to India for six months. This has happened after a record turmeric export of over 1,20,000 tonne in 2018-19, as per the trade figures. Without the Iranian market, Indian turmeric growers do not have any big orders in hand. Although Bangladesh has started buying Indian turmeric recently, that's not in large quantities, experts pointed out. There are many sector analysts who felt that turmeric prices are expected to dip further with the slowdown in exports, before going up due to festival season demand.

Chinese ginger market is stable

After a period of continued price increases, the Chinese ginger market is now stable, although the price shows a slight decline. China is the most important producer of fresh ginger in the world. The annual ginger production volume is huge. A sizable portion of that production volume is exported to markets across the globe. The three largest export markets are Europe, the Middle East, and North America. The overall export volume is not large. Fresh ginger export to the middle East is relatively smooth. The export price increased in response to the rising price of Chinese ginger in the domestic market. The export to Europe and North America is less than ideal. The price refuses to rise. The main reasons for this situation are as follows: first, the European and North American markets are in their off season. The ability of the market to absorb supply is limited. Second, many importers are deterred by the high price of Chinese ginger and instead turn to Brazil and Thailand for ginger supplies.



Lankan spice exporters request India to remove MIP on pepper

Sri Lanka's spice producers are requesting the Indian authorities to remove the minimum import price (MIP) on imported black pepper to India as Sri Lanka's pepper exports to India have come into a halt, impacting the pepper prices in Sri Lanka adversely. Sri Lankan pepper was allowed to be exported to India at zero duty for up to 2,500 tonnes, under the Indo-Sri Lanka Free Trade Agreement. India imposed price controls as the Indian pepper producers claimed that cheap pepper imports from Vietnam are flowing into India through Sri Lanka. Sri Lanka's pepper prices have declined by over 29 percent year-on-year to Rs.585.84 in 2018, while pepper production declined by over 9,000 tonnes in the year.





As toor acreages rise, NAFED begins to offload stocks

As acreages under toor/arhar exceeded last year's levels after widespread rains in early August boosted the sowing, the government has begun to dispose of stocks. NAFED, the nodal procurement agency for pulses, has started offloading toor stocks in States such as Karnataka, Maharashtra and Gujarat. The move is expected to help ease prices of toor dal ahead of the forthcoming festival season while clearing the storage space for the new crop that will be harvested from December, trade sources said. Recently, Nafed floated tenders for disposing of around 40,259 tonnes of toor from the kharif 2017 crop lying in various godowns across Karnataka, Maharashtra and Gujarat. During the 2018-19 cropping season, NAFED procured about 2.75 lakh tonnes of toor. Bulk of the procurement was done in Karnataka and Maharashtra, the large producers of the pulses variety. According to the 4th Advance Estimates for 2018-19, production of toor had declined to 3.59 million tonnes from 4.29 mt in the previous year. This is mainly on account of drought in parts of Karnataka and Maharashtra. Toor prices had firmed up in the recent months on expectations of a lower crop in 2018-19 and also due to sluggish sowing trend in the early kharif period due to patchy rains. But, with monsoon delivering a surplus in August across all key producing regions, the acreages have picked up as sowing of the pulses crop has gained pace. Toor acreages as on August 23 stood marginally higher at 43.429 lakh hectares as against 43.261 lakh hectares last year. The growth has mainly come about in Karnataka, Andhra Pradesh, Telangana and Uttar Pradesh. In Maharashtra, it has gone down marginally as a section of pulses growers have shifted to other crops.



Nigeria first to approve Bt cowpea, Ghana may follow

Nigeria has become the first country to approve open cultivation of genetically modified (GM) Bt cowpea, according to a report by the International Service for the Acquisition of Agri-biotech Applications. Pests, particularly pod borer (*Maruca vitrata*), have hampered production of cowpea, the most important legume in the west African country. It has to import about 500,000 tonnes annually to meet demand, according to a release by Cornell University's Alliance for Science. Bt cowpea, faced opposition for years in Nigeria due to fears of an adverse impact on health. It contains the transgene Cry1Ab, which can be toxic for human liver cells and also alter immune systems of lab animals, anti-GM groups claimed. It was banned in South Africa where the cultivation of modified maize led to enormous pest resistance and infestation. Moreover, it hasn't been approved for commercial use elsewhere in the world, they have argued. After evaluating the risks involved it was, however, given a go ahead by the National Biosafety Management Agency (NBMA) in January 2019. The agency found "no known adverse impacts to the conservation and sustainable use to of biodiversity", considering the risk to human health, the NBMA said. With the new approval, a new crop has been included into the global biotech basket from Africa, the ISAAA said. Ghana, in the same region, can follow Nigeria in commercialising Bt cowpea as the country has completed field trials and is soon set to apply for commercial release of Bt cowpea, according to a Cornell report. Nigeria has previously approved GM cotton, along with Ethiopia, the ISAAA said, adding that the African continent has the potential to reap the benefits associated with modern agricultural biotechnology. The continent had, in 2018, recorded an impressive growth with South Africa planting 2.7 million hectares of biotech crops sustaining its ranking among the top 10 biotech crop countries in the last two decades.

Global Flavour Powerhouses to Lift the Lid on New Zest for Food Production at Gulfood Manufacturing 2019

Firmenich to exhibit latest tech which has resulted in 200 tonnes of sugar removed from consumer favourites without compromising on taste

Sector-wide collaboration crucial to the future of food manufacturing, says industry leader Givaudan

Dubai, UAE: Gulfood Manufacturing, the largest food and beverage processing and packaging show in the Middle East, Asia and Africa, will lift the lid on the reinvention of food production when it returns for its sixth edition from 29-31 October at Dubai World Trade Centre, as manufacturers race to improve efficiency and pricing while complying with increasing regulation. Growing food safety and waste concerns and a desire to get produce to market faster and more affordable are now driving innovation and impacting the equipment producers choose in a fiercely competitive F&B market. Gulfood Manufacturing 2019 will address these and other industry issues with the latest in processing technology on show across 81,000 square metres of exhibition space.

Tailored networking opportunities afforded at the mega event will also shape the industry's future, with sector-wide collaboration crucial to meeting the challenges, according to Swiss flavours manufacturing powerhouse Givaudan. The firm is making its Gulfood Manufacturing debut this year, aiming to use the platform to seek out partners to "co-create and innovate". Antoinette Khalil, Givaudan's Commercial Head – Africa & the Middle East, believes current industry challenges "cannot be solved in isolation," adding: "Some of the challenges we're seeing include changing consumer attitudes towards ingredients, origin, labelling, authenticity, sustainability, health and wellness. Consumer attitudes have significantly evolved in recent years – not only in mature markets – and we need to respond with speed, efficiency and new solutions. "Affordability in developing markets where consumers are becoming more conscious about how to spend their money is also another key issue. We are stepping up our collaborative efforts to tackle these challenges as part of a global

innovation ecosystem, while leveraging our market-leading knowledge and expertise for scalability to drive the necessary speed, efficiency and new solutions."

Key food innovators on display

Another Gulfood Manufacturing debutant from Switzerland, Firmenich, the world's largest privately-owned fragrance and flavor company, will be demonstrating its innovations for fat and salt reduction, MSG replacers, taste enhancers and alternative 'green' protein solutions amid the trend for sugar reduction and going 'natural', which is driving technological innovation. "In tackling today's malnutrition crisis, our latest





technology TastePRINT can reduce up to 100 per cent of added sugar naturally while keeping an equal taste experience. This year alone with our taste modulation technologies we removed 215 metric tonnes of sugar from products that consumers love, taking 870 billion calories out of their diets,” said Thoger Larsen, VP Flavors IMA, Firmenich.

FoodTech Summit will address the future of food

Firmenich's sugar reduction expertise will be leveraged at the second Gulfood Manufacturing FoodTech Summit when the company's VP of Taste, Imad Farhat, will discuss the latest developments. The second edition of the Summit will bring together international F&B experts and industry leaders, key decision makers and innovators to discuss global market developments and the latest solutions helping the industry improve efficiency, productivity, and quality.

“The second edition of this eagerly anticipated and crucial Summit will take the industry into the future with the introduction of next-gen technologies including blockchain, AI and robotics which are transforming F&B manufacturing facilities into smart factories,” explained Trixie LohMirmand, Senior Vice President, Exhibitions & Events, DWTC. “With food security an ever more pressing growing concern, the Summit programme will address how we can make food safe for the future and to what extent the industry can innovate and create alternative food supply and resources.”

Sharing the FoodTech Summit platform will be Sudarsan Thattai, the CIO of Lineage, who

will explore emerging cold chain technologies. Ignacio Ramirez Rico, Managing Director of Winnow MENA, will address waste reduction through a case study of the Emaar Hospitality Group - the first company to mobilise cutting-edge AI technology into its UAE kitchens.

The Summit is among a range of Gulfood Manufacturing features which have cemented the show as a forecasting, trend tracking and sector education platform. Four features – a **Big Buyers Programme**, which hosts up to 2,000 pre-selected buyers; **Innovation Tours**, which provide deep insights into artificial intelligence, machine learning, blockchain and robotics; **Gulfood Manufacturing Industry Excellence Awards**, designed to inspire, and a probing business talks conference – put the show at the forefront of F&B transformation.

Show information

Gulfood Manufacturing now has a well-established reputation as a multi-billion-dollar business transaction space with five dedicated sectors to improve the buyer and seller experience: Ingredients, Processing, Packaging, Automation & Controls, and Supply Chain Solutions – that will house more than 1600 local, regional and international suppliers and industry service providers from 60 countries as well as tens of thousands of visitors. Gulfood Manufacturing 2019 will run alongside co-located events including Private Label and Licensing Middle East Exhibition, the MENA region's exclusive exhibition for food and non-food FMCG product mix expansion and brand placement; SEAFEX Middle East, the only professional seafood event for the Middle East, Africa and Asia and yummex ME, the no.1 platform for producers and manufacturers spanning the global sweets, confectionery and snacks industry. Gulfood Manufacturing 2019 is open from 10 am – 6 pm on 29-30 October and 10 am – 5pm on 31 October. The show is open to food and beverage industry professionals and visitor attendance is free of charge. For more information, visit <http://www.gulfoodmanufacturing.com/>



FAO rises global cereal output estimate by 22 million tonnes to 2708 million tonnes for 2019

The Food and Agriculture Organization (FAO) of the United Nations has released a new Cereal Supply and Demand Brief, raising its July forecast for global cereal output by 22 million tonnes to 2708 million tonnes, 2.1% above the 2018 outturn. The revisions mostly reflect improved expectations for U.S. maize production. Meanwhile, FAO lowered its estimate for global wheat output in 2019 due to reduced crop productivity in the European Union and the Russian Federation, but it is still expected to be 5.0% higher than in 2018. The forecast for worldwide rice production has been revised up from July to 517 million tonnes, at par with last year's record level, driven by increases in China and the United States. World cereal utilization for the year ahead is expected to hit a new record of 2715 million tonnes, buoyed by rice consumption hitting an all-time high of 519 million tonnes, translating into a 0.5 kilogram per capita increase from the previous year. Utilization forecasts for wheat, maize and barley were also raised.

The stronger harvest prospects point to world cereal stocks reaching 847 million tonnes by the close of seasons in 2020, which, however, would remain around 16 million tonnes below their opening levels. Maize inventories are expected to accumulate sharply in the United States, while China's wheat stocks are currently set to expand by 7.9% and reach an all-time high. FAO left unchanged its forecast for world trade in cereals at nearly 415 million tonnes, as expected increases in wheat and rice trade offset reduced trade prospects for maize and sorghum.



New record for Canadian crop exports in 2018-19

Canada exported a record 44.6 million tonnes of major crops when the 2018-19 crop year ended July 31, up six per cent from the previous record of 41.9 set last crop year, according to Canadian Grain Commission (CGC) statistics. Canada exported a record 18.2 million tonnes of wheat (excluding durum), up 12 per cent from

2017-18 and 10 per cent above the five-year average. In sharp contrast, canola seed exports fell 39 per cent to 9.3 million tonnes in 2018-19 and were five per cent lower than the five-year average of almost 9.8 million tonnes. Agriculture and Agri-Food Canada (AAFC) projects a record 3.7 million tonnes canola seed carry-over into the current 2019-20 crop year. But an AAFC analyst noted the 2018-19 stocks-to-use ratio of 19 per cent is not a record. Twenty-two per cent is the record, set in 2009-10. Canadian exports of wheat, durum wheat, barley, soybeans, peas, corn, canary seed, mustard, dry beans, lentils and chickpeas were higher than the previous crop year. Oat, rye, flax and canola exports were lower. Indonesia, a traditional big Canadian wheat customer, bought more than two million tonnes. Bangladesh and Japan were also big buyers. Canadian exports of many pulse crops went up in 2018-19, but prices were mostly lower, Pulse Canada president Gordon Bacon said. Canadian pulse growers are still recovering from the loss of the Indian market due to a combination of tariff and non-tariff trade barriers. Canadian pea, lentil and chickpea exports were up three, 109 and six per cent, respectively, in 2018-19 versus the year previous. Canada's top five pulse export customers in 2018-19 were China, India, the U.S., Turkey and European Union.



Mexico's wheat output revised upward

Mexico's wheat production forecast for 2019-20 has been revised upward, according to an Aug. 28 Global Agricultural Information Network report from the U.S. Department of Agriculture (USDA). The USDA said favorable weather conditions and plentiful water reservoirs in Sonora, the main wheat producing state, helped to obtain higher yields than initially estimated, which will increase the country's wheat output to 3.3 million tonnes, up from 3 million tonnes in 2018-19. However, wheat consumption and imports are revised downward from last month's USDA projection as a result of the sluggish Mexican

economy and higher domestic production. Still, the projected import total of 5.2 million tonnes is higher than the 2018-19 total of 4.86 million tonnes. "The composition of imported wheat origins changed slightly in 2018-19 as imports from the United States increased compared to a year earlier, while imports from other origins such as Russia and Ukraine declined," the USDA said. "Mexico has diversified its sources of wheat over the past several years, with secondly suppliers varying depending on price and quality." Mexico's corn output in 2018-19 is estimated at 27.6 million tonnes, up 900,000 tonnes from the previous projection. "The increase reflects slightly higher area harvested than previously estimated and favorable weather conditions," the USDA said. In 2019-20, Mexico is forecast to produce 27 million tonnes of corn, slightly lower than the prior year, and is expected to import 18.5 million tonnes, well above the 2018-19 total of 16.1 million tonnes, the USDA said.

Government to prepare roadmap for distribution of fortified rice

The government will prepare a detailed roadmap for the nationwide distribution of fortified rice through ration shops. Food minister Ram Vilas Paswan reviewed the progress of rice distribution with NITI Aayog vice chairman Rajiv Kumar and instructed official to implement the distribution fortified rice. "We will take suggestions and feedback from all the states and stakeholders before implementing this programme," said Paswan. The government, in February this year, had a approved centre-sponsored pilot scheme on "Fortification of Rice and its Distribution under Public Distribution System". Under this scheme rice is fortified with Iron, Folic Acid and Vitamin B-12. The Pilot Scheme has been approved for a period of three year beginning 2019-20. Currently, the scheme focuses on 15 districts preferably 1 district per State during the initial phase of implementation. The operational responsibilities for implementation of the pilot scheme lie with states which fortifies the rice for distribution through Public Distribution System (PDS).

Chile keen to grow quinoa in Philippines

The Chilean government is keen on growing quinoa in the Philippines as part of its initiative to strengthen agricultural ties between the two countries. This was one of the proposals discussed between Department of Agriculture (DA) Secretary William Dar and Chilean Ambassador to the Philippines José Miguel Capdevila during a recent meeting on the Philippines-Chile Memorandum of Understanding on Agricultural Cooperation in Quezon City. In a statement, Dar said Capdevila had proposed the cultivation of quinoa, which could be an essential agricultural produce that can serve as substitute for rice and add-on to healthy dishes, including salads. The DA chief welcomed the proposal and directed the Bureau of Agricultural Research to study the potential of quinoa and conduct a two-year adaptability trial. Often referred to as a supergrain or superfood, quinoa is gluten-free and high in protein. It is also one of the few plant foods that contain sufficient amounts of all nine essential amino acids.

Glimpses of **Foodpro** 2019

13th Edition CII



The 13th edition of **Foodpro 2019** - An exclusive initiative on Food Processing, Packaging & Technology was organized from 23 to 25 August 2019 at Chennai Trade Centre, Chennai. Coinciding with Foodpro, the 2nd edition of ColdStoRe India 2019 - A focused initiative on Cold Storage and Refrigerated Transportation and T-Food 2019 - An exclusive showcase on Traditional Foods were organized.

Foodpro 2019 Exhibition and Conference focused on the latest trends, innovations, R&D, equipment & technologies and provided the platform to various stakeholders to learn the best practices and deliberated on the growth in the sector by fostering new business opportunities and technology adoption.

Shri Rameswar Teli, Hon'ble Minister of State for Food Processing Industries, Government of India was the Guest of Honour at the Inaugural Session of Foodpro 2019 Conference.

Thiru Banwarilal Purohit, Hon'ble Governor of Tamil Nadu was the Chief Guest for the Exhibition Inaugural.

Other key speakers included Mr R Kamaraj, Minister for Food & Civil Supplies, Govt. of Tamil Nadu. Dr K Ellangovan IAS, Principal Secretary, Department of Industries and Commerce, Government of Kerala; Mr S Gagandeep Singh Bedi IAS, Agricultural Production Commissioner and Principal Secretary to Government of Tamil Nadu; Mr Sanjay Jayavarthanavelu, Chairman, CII SR; Mr Navas Meeran, Chairman, Foodpro 2019 among others.

Foodpro 2019 Highlights:

- 310 exhibitors with 10,200 sq.mtrs display area
- Government of Tamil Nadu participated as the "Host State"
- Government of Kerala participated as the "Partner State"
- International representation from Germany, Italy, Malaysia, Netherlands, Spain, Turkey, UAE & USA
- This initiative was supported by NSIC and 21 Sectoral Associations
- 3 days sectoral conferences on Food Processing | Dairy Technologies | Traditional Foods
- 23,000 business/trade visitors | 600 delegates
- Release of Report on "Indian Food Processing Sector Trends & Opportunities"
- 800 B2B Meetings



(L-R): Mr Sathish Raman, Regional Director, Confederation of Indian Industry (Southern Region), Mr R Kamaraj, Minister for Food & Civil Supplies, Government of Tamil Nadu, Shri Rameswar Teli, Hon'ble Minister of State for Food Processing Industries, Government of India, Thiru Banwarilal Purohit, Hon'ble Governor of Tamil Nadu, Mr Sanjay Jayavarthanavelu, Chairman, CII Southern Region & Managing Director Lakshmi Machine Works Limited, Mr Navas Meeran, Chairman - Foodpro 2019 & Chairman Eastern Condiments (P) Ltd, Mr P Ravichandran, Vice Chairman, ColdStoRe India 2019 & President, Danfoss Industries Pvt Ltd.



Stalls of some of the exhibitors





Saudi Grains Organization to import 780,000 tons of feed barley

The Saudi Grains Organization (SAGO) is to import 780,000

tons of feed barley on 13 ships between October and December this year. The organization's Gov. Ahmed bin Abdul Aziz Al-Faris said that the batch of imported barley would help to meet local demand and maintain strategic stocks. SAGO is one of the leading national institutions with a prominent role in achieving economic

development and fulfilling the needs of citizens by providing key food commodities in Saudi Arabia. The organization was established by royal decree in February 1972. Its responsibilities include establishing and operating flour mills, monitoring flour production, and animal feed factories. SAGO also aims to market the products of the organization inside the Kingdom, as well as purchasing grains, maintaining appropriate reserve stock in case of emergency circumstances, and implementing the agricultural policy adopted by the government.

India's April-July rice exports drop 26.5%: Govt

India's rice exports in April-July plunged 26.5% from a year ago to 3.14 million tonnes, a government body said, as demand for non-basmati rice was subdued from African buyers. The country's non-basmati rice exports plunged 37% during the period to 1.7 million tonnes, the Agricultural and Processed Food Products Export Development Authority (APEDA) said in a statement. India's rice exports in 2019/20 are likely to fall to their lowest level in seven years, industry officials said, as weak demand from African countries weighs and shippers absorb the absence of government incentives that supported previous sales. New Delhi is the world's biggest exporter of rice, buffalo meat and guar gum. Meanwhile, India's guar gum exports dropped 16.3% to 148,812 tonnes on lower demand from the United States, while pulses exports fell 33% to 84,524 tonnes as local prices jumped due concerns over the production, the APEDA said.



Paddy farmers predict bumper harvest in Vijayawada

Paddy farmers of Krishna district are expecting bumper crop during this kharif season as adequate water is being released from Prakasam Barrage due to Krishna river floods. Paddy is the most important crop in Krishna district with total cultivated area of 2.45 lakh hectares. Most of the paddy crop is cultivated mainly in downstream of Prakasam Barrage from

Penamaluru and Vuyyur mandals to the Diviseema region, Kaikaluru, Kalidindi and other mandals. Due to heavy inflows of floodwater from upland area in Karnataka and Maharashtra States, reservoirs in Krishna river basin are filled with floodwater. Over 300 tmcft water was released from Pulichintala reservoir and Prakasam barrage this rainy season into sea. Lakhs of farmers in

the Krishna Delta are in a jubilant mood with release of irrigation water this kharif season. Farmers are expecting 34 bags of paddy per acre due to availability of water in the stipulated time, said P Mohana Rao, Joint Director of Agriculture. He also pointed out that there is no problem of pests this season and it will help to get better output. Except some interior areas in Diviseema, most part of the delta area got irrigation water for cultivation of paddy, irrigated dry crops and horticulture crops this season. The farmers had been depending on only Pattiseema water and groundwater for cultivation of crops for the past few years. Luckily, this kharif season, the delta region received sufficient waters.



Mega food park inaugurated in Telangana

Union Minister for Food processing Harsimrat Kaur Badal inaugurated the first Mega Food Park in Telangana promoted by Smart Agro Food Park at Lakkampally village in Nizamabad district. Badal said the Mega Food Park will leverage an additional investment of about Rs 250 crore in 22 food processing units and generate a turnover of about Rs 14,000 crore. It will also provide 50,000 direct and indirect jobs and benefit about one lakh farmers. Mega Food parks are aimed at facilitating doubling of farmer's income by 2022. The Minister said that Pradhan Mantri Kisan Samman Nidhi is a government initiative in which all small and marginal farmers will get up to Rs 6,000. Mega Food Parks shall further complement the government's scheme by reducing post harvest losses and hedging the farmer's risk. The Ministry of Food Processing Industries is focussing on boosting the food processing industry so that agriculture sector grows exponentially and becomes a major contributor to doubling the farmer's income and 'Make In India' initiative of the government.

The Mega Food Park Scheme is being implemented in order to give a major impetus to the food processing sector by adding value and reducing food wastage at each stage of the supply chain with particular focus on perishables. The government provides financial assistance up to Rs 50 crore per Mega Food Park project. The Smart Agro Mega Food Park has been set up in 78 acre of land at a cost of Rs 108.95 crore. The facilities being created by the



developer at Central Processing Centre (CPC) of this Mega Food Park include Raw Material Warehouse of 5000 MT, Finished Good Warehouse- 5000 MT, Multi Commodity Cold Storage-5000 MT, Deep Freeze Store-500 MT, Turmeric-Curcumin, Oleoresin Extraction unit-5 MT/Day, QC Laboratory and other related food processing facilities. The Park also has a common administrative building for office and other uses by the entrepreneurs and 3 PPCs at Medak, Gouraram and Nandipet having facilities for primary processing and storage near the farms.

Source: National News Service (NNS)

Vietnam eight-month rice exports down



Vietnam exported about 4.54 million tonnes of rice for nearly 2 billion USD in the first eight months of this year, up 0.3 percent in volume but down 14.9 percent in value from a year earlier, according to the Agro Processing and Market Development Authority (Agrotrade). In August alone, the country shipped abroad 591,000 tonnes of rice for 265 million USD, the agency said. Strong growth were seen in Ivory Coast (64.5 percent), Australia (63.9 percent), Hong Kong (China) (43.5 percent), and Saudi Arabia (31.3 percent) during the January – August period. The average export price in the eight months reached 433 USD per tonne, down 14.7 percent year on year. The Philippines outstripped China to become Vietnam's largest buyer during the reviewed period, accounting for 34.5 percent of the total rice exports or 1.46 million tonnes. Its rice imports from Vietnam increased 3.2 times in volume and 2.7 times in value from the same period last year. Vietnam's rice exports to China plunged 66 percent year-on-year to 350,000 tonnes, pushing the neighbouring country to the second position. Meanwhile, the country's rice exports to the EU are expected to grow strongly in the future due to the positive impact from the EU-Vietnam Free Trade Agreement (EVFTA) when it comes into effect. Under this agreement, Vietnam will have an export quota at 80,000 tonnes of rice per year with a tax rate of zero to the EU in the future, four times higher than the current exports of 20,000 tonnes per year with a tax between 65-211 EUR (71.9-233.3 USD) per tonne, or estimated at 50 percent of export value.

Forthcoming Trade Shows & Events

Foodagro Africa

Africa's largest International Food & Agriculture exhibition, aims to tap this huge investment potential with the launch of FOODAGRO Ethiopia. It provides an ideal platform for product launches, finding new buyers & distributors, promoting brand names and updating oneself with the latest trends in the food, agriculture and hotel industry.

Date: 24-26 Feb 2020

Venue: The Millennium Hall, Addis Ababa, Ethiopia

Thailand Bakery and Ice Cream Fair

It is effective platform for manufacturers, distributors from worldwide of bakery, ice cream equipment and supplies to increase sales or market share as well as to launch new products to the target buyers. The show also offers many activities to attract decision makers for world class barista competitions, workshop and seminars.

Date: 27 Feb- 01 Mar 2020

Venue: BiTEC, Bangkok International Trade & Exhibition Centre, Bangkok, Thailand

Hostex 2020

It is Africa's food, drink & hospitality trade expo. Featuring over 250 exhibitors showcasing thousands of innovative products, HOSTEX 2020 is the place where international suppliers and local commerce converges. HOSTEX continues to prove itself time and time again as the trade show that delivers innovation and opportunity.

Date: 01- 03 Mar 2020

Venue: Sandton Convention Centre, Johannesburg, South Africa

The Foodservice Show

It provides foodservice outlets and distributors with all of the food and drink needs for the modern professional kitchen. Do not miss being part of the UK's largest and most prestigious event, offering unrivalled access to 20,000+ decision makers that continually strive to discover the suppliers to improve their business.

Date: 03- 05 Mar 2020

Venue: ExCeL London, UK

Aahar- International Food & Hospitality Fair

It is a flagship fair focusing on improving food standards in India. This event showcases products like Fresh Produce & Dairy Products, Confectionery, Chocolate, Desserts, Bakery Products & Ingredients, Organic & Health Products, Frozen, Canned & Processed Products, Meat, Poultry & Sea Foods, Snacks & Convenience Food etc.

Date: 03-07 Mar 2020

Venue: Pragati Maidan, New Delhi, India

SGCCI Food & Agritech 2020

It will showcase the best and latest in Agriculture and allied sciences, Food Processing, Procurement, Machinery, Products, Services and Finance in India and abroad, making it a significant platform for business partnerships worldwide. It is being organized by the Southern Gujarat Chamber of Commerce & Industry (SGCCI).

Date: 06-08 Mar 2020

Venue: Surat International Exhibition and Convention Centre, Surat, India

Myanmar International Food & Drink Festival

Tastefully Myanmar will showcase biggest ever variety of food and drink products, including foodstuffs, processing food, meat and poultry, dairy and cheese, condiments and sauces, seafood, snacks & desserts, kitchen equipment, tea, ice cream, cakes and pastries, food ingredients and much more - right here in Yangon.

Date: 06-08 Mar 2020

Venue: Myanmar Expo, Yangon, Myanmar

Food Expo

It is the commercial forum that managed to attract the attention of international markets and made Greece the center for the development of Food & Beverages in Southeastern Europe. By attracting exhibitors and buyers from over 80 countries, it transforms the event's venue into a multicultural commercial forum.

Date: 07-09 Mar 2020

Venue: Metropolitan Expo, Athens, Greece



International Restaurant & Foodservice Show of New York

The International Restaurant & Foodservice Show of New York is the largest food and beverage experience in the Northeast and offers its attendees the opportunity to see the best in the restaurant and foodservice trade industry. From the newest food trends to the best in technology to fit your restaurant & everything in between.

Date: 08-10 Mar 2020

Venue: New York, USA

Midwest Foodservice Expo

It provides the latest products, training, trends and solutions, specifically for the restaurant and foodservice industries. Food, beverage and hospitality professionals unite with industry suppliers for new ideas and new products. At MFE, you'll find ways to improve profits, create efficiencies and build business.

Date: 09-11 Mar 2020

Venue: Wisconsin Center, Milwaukee, USA

ANUFOOD Brazil

It is the event fully dedicated to companies from various segments of the food and beverage industry in general, including producers, manufacturers, importers, exporters, food service equipment/services and foreign trade agencies, as well as pioneering agribusiness and its non-food products, processed, typical regional products.

Date: 09-11 Mar 2020

Venue: São Paulo, Brazil

Foodex Japan

Foodex Japan is the Asia's largest exhibition dedicated on food and drink across Japan and the whole world. Over 4 days of the exhibition, about 85,000 buyers from food service, distribution and trading companies are expected to attend. It will feature products like food processing equipment, filling machinery, bakery equipment etc.

Date: 10-13 Mar 2020

Venue: Makuhari Messe, Chiba, Japan

Coffee & Tea Russian Expo

At one time, in one place Coffee & Tea Russian Expo will bring together more than 6,500 professionals from Russia and other CIS countries and abroad. More than 170 companies will take part in CTRE as exhibitors and partners. It offers exhibition, professional coffee and tea competitions for barista, roasters and tea masters.

Date: 12-14 Mar 2020

Venue: Moscow, Russia

Africa Food Manufacturing

A trade fair for innovative solutions & machinery in food manufacturing & packaging. With over 200 exhibitors the Africa Food Manufacturing is the leading fair of its kind in Egypt and

North Africa. Quality-conscious visitors in search of cost-effective solutions while optimizing their processes will get valuable suggestions.

Date: 15-17 Mar 2020

Venue: Cairo, Egypt

Food Ingredients China 2020

During the exhibition, combining with Chinese companies' development demand and international requirement, FIC 2020 will continue to hold International Food Regulations & Standards Forum and The Academician Forum on Food Innovation and Development with industry organizations of various countries.

Date: 17-19 Mar 2020

Venue: Shanghai National Convention and Exhibition Center, Shanghai, China

Super Rio Expofood

Super Rio Expofood is an annual opportunity to be in contact with exhibitors and visitors from the most diverse segments and from all over Brazil. Here new partnerships are established and relationships are built with the aim of raising the performance and knowledge levels of visitors and exhibitors.

Date: 17-19 Mar 2020

Venue: Rio de Janeiro, Brazil

Modern Bakery Moscow

The Russian bakery market offers the best business opportunities for international companies. Exhibit your products in one of the largest markets in the world and use Modern Bakery Moscow as your stepping stone to Russia. The exhibitions cover the entire range of the bakery industry from raw materials to bakery equipment.

Date: 17-20 Mar 2020

Venue: Moscow, Russia

Nepal Food & Beverage Expo

Nepal Food & Beverage Expo will be focused exclusively on food, beverage & hospitality, a first of its kind in Nepal in recognition of the tremendous growth in the sector. Food & beverage have become a big revenue source and profit centres for the hotels, restaurants and party-palaces that have mushroomed in the last ten years.

Date: 20-22 Mar 2020

Venue: Chitwan Expo Centre, Bharatpur, Nepal

New England Food Show

New England Food Show is an international platform bringing the food industries and restaurants from all corners of the world under the same roof. The event focuses on promoting the foods and hospitality industries. It is a unique platform focusing on food businesses and restaurant services.

Date: 22-24 Mar 2020

Venue: Boston Convention and Exhibition Center, Boston, USA





Basmati Export Development Foundation (BEDF) aims at elevating programs of Basmati Rice



Basmati Export Development Foundation (BEDF) has been founded by Agricultural and Processed Food Products Export Development Authority (APEDA) and is a society registered under Societies Registration Act, 1860. BEDF has a vast mandate of undertaking and promoting programmes in respect of Basmati rice, for development of application technology, integration of activities of various stakeholders viz. farmers, millers, traders and exporters to strengthen the whole supply chain of Basmati export. State Government of Uttar Pradesh has provided about 10 acres of land at long-term lease for 70 years to APEDA to be used for activities of BEDF. A state of the Art laboratory and demonstration cum training (D&T) farm have been set up at this land in the campus of SVP University of Agriculture and Technology Modipuram, UP. The activities undertaken at these facilities include:

- DNA Fingerprinting for varietal identification of Basmati Rice;
- Testing on the basis of Physical Quality Characteristics;
- Testing of residues of pesticides and heavy metals samples of Basmati rice at concession rate
- Generation of data on Pesticide Residue by testing of samples drawn from farmers fields on sample basis
- At D&T farm breeder seed production of specified is undertaken as per allocation by Ministry of Agriculture & Farmers Welfare, GOI.

- Multiplication of foundation seed at Farmers Land for providing best quality seeds to maximum farmers in next Kharif season. This leads to capacity building of farmers for seed production and become part of seed supply chain in the trade.
- Demonstration and Training for improved package of practices for export oriented cultivation of Basmati paddy.
- Workshops are organized in Kharif season every year in the seven Basmati producing states viz., J&K, Punjab, Haryana, Himachal Pradesh, Uttarakhand, Delhi and Western UP for farmers and Extension officers of the Department of Agriculture of respective states. These workshops are organized with technical/ faculty support from State Agriculture University and the Zonal Centres of ICAR.

APEDA has been issued certificate of registration of Basmati Rice as a GI product on February 15, 2016 by GI Registry, Chennai. Towards implementation of this mandate, APEDA has developed a software based system for monitoring and bringing in traceability for authenticity in production and supply of Basmati Rice both in domestic and export markets. Software has been launched in seven Basmati producing state from Kharif 2017. Detailed field activities of registration of farmers, collection of random samples from mills and trade and their testing at Modipuram lab is to be coordinated by BEDF.

UP govt to procure 50 lakh tonnes paddy in 2019-20

The Uttar Pradesh government announced paddy procurement policy for 2019-20, which has set a target of procuring over 50 lakh tonnes of paddy. The policy was approved at a Cabinet meeting chaired by Chief minister Yogi Adityanath. "The state cabinet approved the procurement rate of Rs 1,815 per quintal for common variety and Rs 1,833 per quintal for grade 'A' variety," UP government spokesperson Shrikant Sharma told. An additional sum of Rs 20 per quintal will be paid to

the farmers for winnowing of paddy, Sharma said. He said that while in 2018-19 over 48.25 lakh tonnes of paddy was purchased, for the 2019-20 a target of 50 lakh tonnes has been fixed. Last fiscal, the price of paddy was Rs 1,750 per quintal for the common variety and Rs 1,770 per quintal for grade 'A' variety. Besides, an additional Rs 20 per quintal was given for winnowing. Paddy procurement will start from October 1 and continue till February 28, 2020.





Palay, corn output down in Q2

Palay (unmilled rice) and corn production in the country posted significant reductions in the second quarter of 2019 mainly due to drop in harvest area and yield. The Philippine Statistics Authority (PSA) in its "Palay and Corn Quarterly Bulletin" said the country's palay output dropped by 5.8 percent to 3.85 million metric tons (MT) in April to June this year compared to year-ago's 4.09 million MT. During the period, harvest area was 915,320 hectares (has), down 1.8 percent from last year's 932,790 has. Similarly, yield per hectare fell by 4 percent to 4.21 MT from 4.28 MT a year earlier. "Of the 16 covered regions

in the country, 13 recorded decrements in output with substantial cutbacks noted in MIMAROPA Region, Bicol Region, and Western Visayas. Increments in production, on the other hand, were observed in Zamboanga Peninsula, Northern Mindanao, and Autonomous Region in Muslim Mindanao (ARMM)," PSA said. Decline in harvest area was largest in Western Visayas at 31.1 percent, the agency added. Of the total palay production, 87.5 percent were irrigated while the remaining 12.5 percent were rainfed. Irrigated palay production was 3.37 million MT, down 4.1 percent from 3.52 million MT in 2018. Among the top producing regions were Cagayan Valley, Central Luzon and Bicol Region, with a combined share of 61.2 percent. Rain-fed palay output, on the other hand, totaled 0.48 million MT, down 16.3 percent from last year's 0.57 million MT. The top producing regions were Bicol Region, Eastern Visayas, and Caraga.

Meanwhile, the country's corn production fell by 8.7 percent to 1.17 million MT from 1.28 million MT a year ago. Harvest area contracted by 3.9 percent to 377,040 has from 392,360 has last year. Yield per hectare likewise fell by 5 percent to 3.27 MT. "Bulk of decrements in production was reported in Cordillera Administrative Region, Cagayan Valley, Bicol Region, and Soccsksargen. Significant decreases in harvest areas were observed in Ilocos Region, Central Visayas and Soccsksargen," PSA said. Yields of corn per hectare, however, were higher in Ilocos Region, Northern Mindanao, Caraga, and ARMM compared to 2018. Of the total corn production, yellow corn accounted for 76.3 percent while white corn comprised the remaining 23.7 percent. PSA said yellow corn output was at 0.89 million MT, down 9.1 percent from last year's 0.98 million MT. The major yellow corn producing regions were Ilocos Region, Cagayan Valley and Central Luzon with a combined production of 61.9 percent. Meanwhile, white corn production was 0.28 million MT, down by 7 percent from 0.30 million MT a year ago. Bulk or 57.2 percent of the total output was shared by Northern Mindanao, Davao Region and ARMM.

Rice exporters get 4-month breather from Saudi norms

Indian rice exporters can heave a sigh of relief, for now. They have got a breather till December 31 from stricter rules on shipment of basmati rice to Saudi Arabia. The Saudi Food and Drug Authority had earlier sought test reports on minimum residue levels (MRL), along with Certificate of Conformity from Indian exporters. Saudi's food authority had also sought DNA testing to prove the authenticity of the basmati rice variety, and asked Indian rice exporters to source rice from good agriculture practices (GAP)-certified farms, approved by it. "All consignments of Basmati rice shipped from India and arriving in Saudi Arabia by December 31, 2019 shall be exempt from the new requirement proposed by SFDA," said Vijay Setia, President of the All India Rice

Exporters Association. Setia said that exporters would brand the different blends of basmati rice according to quality, to bring in more transparency. Saudi Arabia is a major export market for Indian basmati rice and accounts for 20 percent of the country's annual exports of 4-4.5 million tonnes. Indian authorities have proposed that rice mills having BIS certification, ISO 22000 and BRC standards should also be able to export basmati rice, Setia said. Indian rice exports have been hurt by various non-tariff barriers, mainly over MRLs in the past few years. Indian companies have been working with farmers to reduce the use of pesticides.



Cambodia's rice export to China up 54 pct in 1st 8 months

Cambodia had exported 132,947 tons of milled rice to China during the first eight months of 2019, a rise of 54 percent over the same period last year, an official report said. China is still the top buyer of Cambodian rice during the January-August period this year, according to the report of the Secretariat of One Window Service for Rice Export. The export to China accounted for 39 percent of the country's total rice export, it said. Meanwhile, the Southeast Asian nation shipped 120,061 tons of rice to the European market, down 47 percent, said the report,



adding that the European Union (EU)'s market share for Cambodian rice had declined to 35 percent from 52 percent. The slump in the export to the European market came after the EU earlier this year imposed duties for three years on rice importing from Cambodia in a bid to curb a surge in rice imports from the country and to protect European producers. According to the report, Cambodia exported a total of 342,045 tons of rice to 51 countries and regions during the first eight months of this year, up only 0.1 percent over the same period last year.



Kansas State University releases 3 new wheat varieties

Kansas State University recently released three new wheat varieties, which are available to Certified seed growers this fall and will be available to farmers in fall 2020. The new releases include two hard red winter wheat varieties—KS Western Star and KS Dallas—and one hard white wheat, KS Silverado. They were all developed at the K-State Agricultural Research Center in Hays, Kansas. The wheat breeding program at Kansas State University, with locations in Manhattan and Hays, receives funding from the Kansas Wheat Commission through the two-cent wheat checkoff. Thanks to wheat breeding programs like the one at K-State, producers have ever-improving options of wheat varieties to plant. Whether it's improved resistance or increased yields, wheat breeders are creating varieties that meet producers' changing needs. Whether you are looking for high grain yield, rust resistance, heat and drought tolerance, resistance to wheat streak mosaic virus or milling and baking quality, Kansas State University's wheat breeding program has a variety for you. These three new varieties will be available to Kansas wheat farmers in fall 2020 through Kansas Wheat Alliance associates.

Bilby bounces into oats industry

An oat variety developed in South Australia promises to be a healthier option for consumers and offer significant benefits for farmers. Launched in Adelaide, South Australia, the new Bilby oat has been developed as part of the National Oat Breeding Program, which aims to improve the quality of export hay varieties and the nutritional benefits of milling oats, among other things. The National Oat Breeding Program is led by the South Australian Research and Development Institute (SARDI) in collaboration with Primary Industries and Regions SA, the Grains Research and Development Corporation, the Department of Primary Industries and Regional Development in Western Australia, Uncle Tobys and Agrifutures. The program has resulted in SARDI oat varieties accounting for up to 85 percent of the 160,000-tonnes of milling oats grown in south-eastern Australia. South Australia Minister for Primary Industries and Regional Development Tim Whetstone said the Bilby oat was expected to establish itself as a popular variety when it hits supermarket shelves in 2021.



India Aug mustard crushing jumps 15% on year to 575,000 tn

Mills in India crushed 575,000 tn mustard seed in August, up 15% on year, according to data compiled by the Mustard Oil Producers Association of India. It is also around 10% higher than 525,000 tn mustard crushed in July, an official with the association said. A rise in demand for mustard meal from exporters and a pick-up in purchases by oil millers led to higher crushing, the official said. Farmers brought 515,000 tn mustard to markets in August, lower than 685,000 tn in the year-ago period, the official said. Supply of the oilseed was lower due to lean arrival season, traders said. Typically, oil millers carry out crushing operations in full swing during March to June due to the peak arrival season of the fresh crop, traders said. Mustard, a crucial rabi oilseed, is sown during Sep-Oct and harvested from



February. New crop arrivals begin in February and gain momentum by March, while supply remains in full swing till June. In Rajasthan, the top producer, total supply of mustard seed was 190,000 tn in August, in Uttar Pradesh 85,000 tn, and in Madhya Pradesh 60,000 tn, the official said. The association has estimated mustard output in the country at 8.1 mln tn in 2018-19, up from 7.1 mln tn in the previous year. However, this is lower than 9.3 mln tn, which is what the farm ministry forecast in its fourth advance estimate. Mustard accounts for a fourth of the country's total oilseed production, and about 80% of the rabi oilseed basket.

Export of Oilmeals during April to August 2019 is down by 23%

The Solvent Extractors' Association of India has compiled the export data for export of oilmeals for the month of August 2019. The export of oilmeals during August 2019 is provisionally reported at 98,871 tons compared to 359,752 tons in August, 2018 i.e. down by 73%. The overall export of oilmeals during April-Aug., 2019 is reported at 1,016,682 tons compared to 1,326,626 tons in April-Aug., 2018 i.e. down by 23%. This is mainly due to higher price of domestic produce soybean meal, thanks to higher MSP of soybean. This make the domestic oilmeal expensive in international market compare to other origins. The export of castorseed meal has increased to 247,820 (188,040) tons, mainly exported to South Korea. During April-August 2019 Vietnam imported 147,869 tons of oilmeals (compared to 265,699 tons); consisting of 2,411 tons of soybean meal, 88,087 tons of rapeseed meal and 53,929 tons of De-oiled Rice Bran Extraction. South

Korea imported 398,048 tons of oilmeals (compared to 431,084 tons); consisting 18,367 tons of soybean meal, 184,512 tons of rapeseed meal and 195,169 tons of castorseed meal. Thailand imported 118,178 tons of oilmeals (compared to 135,229 tons) consisting 97,229 tons of rapeseed meal, 17,581 tons of Rice Bran Extractions and 3,368 tons of soybean meal. The export from Kandla is reported at 399,127 tons (39%), followed by Mundra handled 322,915 tons (32%), and Mumbai including JNPT handled 77,981 tons (8%) and Kolkata handled 78,073 tons (8%) and Others Ports handled 138,586 tons (14%).

Major Importers of Oilmeals

(Qty. in MT)

Country	April-Aug., 2019	April-Aug., 2018	% Change
Vietnam	147,869	265,699	(-) 44.35%
South Korea	398,048	431,084	(-) 7.66%
Thailand	118,178	135,229	(-) 12.60%
Taiwan	50,006	47,802	(+) 4.61%
Iran	74,681	88,054	(-) 15.18%

Export from Major Ports

(Qty. in MT)

Port	April-Aug., 2019	April-Aug., 2018	% Change
Kandla	399,127	735,206	(-) 45.71%
Mumbai/JNPT	77,981	75,661	(+) 3.07%
Mundra	322,915	153,841	(+) 109.90%
Kolkata	78,073	190,739	(-) 59.07%



Facts & Figures

Australia's national science agency has completed the "Grand Slam" of gluten detection. In addition to figuring out how to detect the specific glutes in wheat, barley and oats, the agency's scientists can now pinpoint gluten in a less-studied grain: rye. Australia's Commonwealth Scientific and Industrial Research Organization (CSIRO) said current commercial tests can only tell that gluten is present in a food, but not the grain from which it originates. But the new testing can do much more. The CSIRO researchers analyzed 20 varieties of rye from 12 countries. The experiment revealed six proteins that are specific to all rye varieties but don't appear in other grains. While testing a range of products, the team found that a cereal labeled "gluten free" actually contained trace amounts of rye. CSIRO said it plans to continue validating the method's accuracy and will work toward commercializing the testing.

Wheat Area, Yield and Production

Country/Region	Area Million Hectares				Yield MT. per Hec.				Production Million MT.			
	2017-18	Prel. 2018-19	2019-2020 Proj.	2019-2020 Proj.	2017-18	Prel. 2018-19	2019-2020 Proj.	2019-2020 Proj.	2017-18	Prel. 2018-19	2019-2020 Proj.	2019-2020 Proj.
World	218.28	215.33	218.71	218.78	3.49	3.39	3.53	3.51	761.87	730.55	771.46	768.07
United States	15.20	16.03	15.54	15.54	3.12	3.20	3.36	3.47	47.38	51.29	52.28	53.89
Total Foreign	203.09	199.31	203.17	203.24	3.52	3.41	3.54	3.51	714.49	679.26	719.18	714.18
European Union	26.16	25.59	26.45	26.15	5.78	5.35	5.72	5.74	151.14	137.22	151.80	150.00
China	24.51	24.27	24.10	24.10	5.48	5.42	5.48	5.48	134.33	131.43	132.00	132.00
South Asia												
India	30.79	29.85	29.85	29.85	3.20	3.37	3.39	3.39	98.51	99.87	101.20	101.20
Pakistan	9.05	8.80	8.80	8.80	2.94	2.85	2.91	2.91	26.60	25.10	25.60	25.60
Afghanistan	2.10	2.00	2.30	2.30	2.00	1.80	2.17	2.17	4.20	3.60	5.00	5.00
Nepal	0.77	0.76	0.76	0.76	2.31	2.35	2.35	2.35	1.78	1.79	1.79	1.79
Former Soviet Union-12												
Russia	27.37	26.34	26.30	27.00	3.11	2.72	2.82	2.70	85.17	71.69	74.20	73.00
Russia Winter	14.67	14.91	14.80	15.20	4.17	3.52	3.72	3.55	61.15	52.47	55.00	54.00
Russia Spring	12.71	11.44	11.50	11.80	1.89	1.68	1.67	1.61	24.01	19.22	19.20	19.00
Ukraine	6.64	6.72	7.00	7.05	4.06	3.73	4.14	4.14	26.98	25.06	29.00	29.20
Kazakhstan	11.91	11.40	11.40	11.10	1.24	1.23	1.23	1.14	14.80	13.95	14.00	13.00
Uzbekistan	1.44	1.40	1.40	1.40	4.79	4.29	4.86	4.86	6.90	6.00	6.80	6.80
Belarus	0.72	0.75	0.75	0.75	3.65	2.75	3.83	3.83	2.62	1.82	2.88	2.88
Canada	8.98	9.70	9.70	10.00	3.34	3.21	3.43	3.43	29.98	31.80	33.30	33.30
South America												
Argentina	5.80	6.04	6.20	6.30	3.19	3.22	3.23	3.25	18.50	19.50	20.00	20.50
Brazil	1.92	2.04	2.10	2.10	2.23	2.66	2.52	2.52	4.26	5.43	5.30	5.30
Uruguay	0.19	0.20	0.23	0.23	2.28	3.68	3.30	3.30	0.44	0.73	0.76	0.76
Australia	10.92	10.16	11.00	11.00	1.92	1.70	1.91	1.91	20.94	17.30	21.00	21.00
Africa												
Egypt	1.32	1.32	1.37	1.37	6.40	6.40	6.40	6.40	8.45	8.45	8.77	8.77
Morocco	3.32	2.85	2.75	2.75	2.14	2.58	1.60	1.60	7.09	7.34	4.40	4.40
Ethiopia	1.72	1.70	1.70	1.70	2.81	2.65	2.71	2.71	4.83	4.50	4.60	4.60
Algeria	1.60	2.07	2.10	2.10	1.50	1.90	1.90	1.90	2.40	3.94	4.00	4.00
Middle East												
Turkey	7.80	7.62	7.70	7.20	2.69	2.50	2.73	2.64	21.00	19.00	21.00	19.00
Iran	6.70	6.70	6.70	6.70	2.09	2.16	2.51	2.51	14.00	14.50	16.80	16.80
Iraq	2.20	1.70	2.40	2.40	1.82	1.76	2.00	2.00	4.00	3.00	4.80	4.80
Syria	1.10	1.10	1.60	1.60	2.00	1.82	3.00	3.00	2.20	2.00	4.80	4.80
Mexico	0.67	0.54	0.61	0.61	5.24	5.56	5.25	5.25	3.49	3.00	3.20	3.20
Serbia	0.54	0.68	0.60	0.60	4.26	5.04	4.83	4.83	2.30	3.40	2.90	2.90
Others	6.86	7.14	7.30	7.32	2.56	2.55	2.71	2.68	17.57	18.22	19.79	19.59

Note:- World and Selected Countries and Regions Wheat Area Million Hec., Yield Metric Tonnes/Hec., Production Million M.T./USDA

Rye Area, Yield and Production

Country/Region	Area Million Hectares				Yield MT. per Hec.				Production Million MT.			
	2017-18	Prel. 2018-19	2019-2020 Proj.	2019-2020 Proj.	2017-18	Prel. 2018-19	2019-2020 Proj.	2019-2020 Proj.	2017-18	Prel. 2018-19	2019-2020 Proj.	2019-2020 Proj.
World	4.02	3.73	3.79	3.62	3.06	2.68	3.11	3.11	12.31	10.00	11.78	11.28
United States	0.12	0.11	0.12	0.12	2.15	1.95	1.89	1.89	0.26	0.21	0.23	0.23
Total Foreign	3.90	3.62	3.67	3.50	3.09	2.70	3.15	3.15	12.05	9.79	11.55	11.05
European Union	1.93	1.92	1.95	1.96	3.83	3.23	3.90	3.83	7.41	6.20	7.60	7.50
Former Soviet Union-12												
Russia	1.17	0.96	1.00	0.83	2.17	2.00	2.00	1.94	2.54	1.91	2.00	1.60
Belarus	0.26	0.25	0.20	0.20	2.62	2.00	3.25	3.25	0.67	0.50	0.65	0.65
Ukraine	0.17	0.15	0.11	0.11	2.97	2.66	2.73	2.73	0.51	0.40	0.30	0.30
Kazakhstan	0.03	0.02	0.03	0.03	1.26	1.05	1.20	1.20	0.04	0.02	0.03	0.03
Turkey	0.10	0.11	0.11	0.11	3.17	2.91	2.91	2.91	0.32	0.32	0.32	0.32
Canada	0.10	0.08	0.13	0.13	3.39	2.97	3.08	3.08	0.34	0.24	0.40	0.40
South America												
Chile	0.00	0.00	0.00	0.00	5.00	5.00	5.00	5.00	0.01	0.01	0.01	0.01
Argentina	0.05	0.05	0.05	0.05	1.91	2.08	2.10	2.10	0.09	0.10	0.11	0.11
Other Europe												
Bosnia and Herzegovina	0.00	0.00	0.00	0.00	3.67	2.75	3.50	3.50	0.01	0.01	0.01	0.01
Switzerland	0.00	0.00	0.00	0.00	5.50	5.50	5.50	5.50	0.01	0.01	0.01	0.01
Serbia	0.00	0.00	0.00	0.00	2.50	2.50	2.50	2.50	0.01	0.01	0.01	0.01
Australia	0.04	0.04	0.04	0.04	0.75	0.68	0.68	0.68	0.03	0.03	0.03	0.03
Others	0.04	0.03	0.04	0.04	1.84	1.00	1.87	1.87	0.07	0.03	0.07	0.07

Note:- World and Selected Countries & Regions

According to the European Commission, since the beginning of 2019/20 and by August 25, 2019, the EU countries boosted soft wheat imports from Ukraine by more than 500% compared to the same period of the 2018/19 season – from 29.7 KMT to 188.8 KMT. Therefore, Ukraine became the largest supplier of soft wheat to the European Union with a share of 42% in total imports. Meanwhile, the purchases of soft wheat from Russia decreased to 42.4 KMT, and the share of Russian wheat in total imports by the EU dropped from 32% to almost 10%. In total, during July 01, 2018 – August 25, 2019, wheat imports by the EU countries grew by 11% to 448 KMT.

Chaudhary Charan Singh Haryana Agricultural University (CSHAU), Hisar, has developed an improved variety of sorghum HC713 for cultivation in the southern part of the country. The variety has been developed by the forage section, department of genetics and plant breeding of HAU. This variety of sorghum is suitable for high biomass and quality fodder in the southern states of Maharashtra, Karnataka and Tamil Nadu. HAU vice-chancellor Professor K P Singh said green fodder yield of HC 713 was 7.5% higher than the popular variety CSV 21F. Prof Singh said it was a sweet and juicy variety capable of growing in saline areas.

Sorghum Area, Yield and Production

Country/Region	Area Million Hectares				Yield MT. per Hec.				Production Million MT.			
	2017-18	2019-2020 Proj.			2017-18	2019-2020 Proj.			2017-18	2019-20 Proj.		
		Prel.	Jul	Aug		Prel.	Jul	Aug		Prel.	Jul	Aug
World	40.45	39.93	41.10	41.18	1.44	1.49	1.42	1.44	58.43	59.35	58.33	59.48
United States	2.04	2.05	1.86	1.94	4.50	4.53	4.23	4.64	9.19	9.27	7.85	8.99
Total Foreign	38.41	37.88	39.25	39.24	1.28	1.32	1.29	1.29	49.23	50.08	50.48	50.49
Africa												
Nigeria	5.82	5.80	5.90	5.90	1.19	1.17	1.17	1.17	6.94	6.80	6.90	6.90
Ethiopia	1.84	1.84	1.85	1.85	2.62	2.72	2.70	2.70	4.82	5.00	5.00	5.00
Sudan	6.30	7.00	7.00	7.00	0.59	0.64	0.57	0.57	3.74	4.50	4.00	4.00
Burkina	1.67	1.80	1.80	1.80	0.82	1.07	1.00	1.00	1.37	1.93	1.80	1.80
Mali	1.39	1.50	1.50	1.50	1.03	0.98	0.87	0.87	1.42	1.47	1.30	1.30
Niger	3.82	3.70	3.70	3.70	0.51	0.57	0.49	0.49	1.95	2.10	1.80	1.80
Cameroon	0.85	0.85	0.85	0.85	1.59	1.65	1.65	1.65	1.35	1.40	1.40	1.40
Tanzania	0.78	0.80	0.80	0.80	1.02	1.00	1.00	1.00	0.80	0.80	0.80	0.80
Egypt	0.14	0.14	0.14	0.14	5.36	5.36	5.36	5.36	0.75	0.75	0.75	0.75
Uganda	0.42	0.35	0.35	0.35	0.75	0.97	0.97	0.97	0.32	0.34	0.34	0.34
Ghana	0.25	0.25	0.25	0.25	1.11	1.26	1.12	1.12	0.28	0.32	0.28	0.28
Mozambique	0.21	0.20	0.20	0.20	1.19	1.32	0.90	0.90	0.25	0.26	0.18	0.18
South Africa	0.03	0.05	0.05	0.05	3.97	3.40	2.60	2.60	0.12	0.17	0.13	0.13
Mexico	1.35	1.35	1.50	1.50	3.37	3.48	3.33	3.33	4.55	4.70	5.00	5.00
South America												
Argentina	0.70	0.63	0.58	0.58	4.29	3.97	4.35	4.35	3.00	2.50	2.50	2.50
Brazil	0.78	0.74	0.82	0.82	2.73	2.92	2.82	2.82	2.14	2.15	2.30	2.30
South Asia												
India	5.02	4.01	5.00	5.00	0.96	0.92	0.90	0.90	4.80	3.70	4.50	4.50
Pakistan	0.26	0.24	0.24	0.24	0.60	0.92	0.58	0.58	0.15	0.14	0.14	0.14
China	0.68	0.72	0.75	0.75	4.74	4.59	4.80	4.80	3.20	3.45	3.60	3.60
Australia	0.46	0.50	0.60	0.60	2.72	2.58	2.83	2.83	1.26	1.28	1.70	1.70
European Union	0.12	0.14	0.13	0.15	5.32	5.51	5.58	5.43	0.66	0.74	0.73	0.82
Others	5.52	5.28	5.25	5.22	0.98	1.06	1.02	1.01	5.39	5.58	5.34	5.26

Note:- World and Selected Countries and Regions Sorghum Area Million Hec., Yield Metric Tonnes/Hec., Production Million M.T. //USDA

Barley Area, Yield and Production

Country/Region	Area Million Hectares				Yield MT. per Hec.				Production Million MT.			
	2017-18	2019-2020 Proj.			2017-18	2019-2020 Proj.			2017-18	2019-20 Proj.		
		Prel.	Jul	Aug		Prel.	Jul	Aug		Prel.	Jul	Aug
World	47.48	48.27	50.66	51.27	3.03	2.89	3.00	2.97	143.84	139.54	151.87	152.29
United States	0.79	0.80	0.94	0.94	3.93	4.17	3.94	3.97	3.12	3.33	3.72	3.75
Total Foreign	46.69	47.47	49.71	50.33	3.01	2.87	2.98	2.95	140.72	136.20	148.15	148.54
European Union	12.10	12.32	12.45	12.40	4.85	4.53	4.88	4.86	58.65	55.85	60.70	60.30
Former Soviet Union-12												
Russia	7.71	7.78	7.85	8.25	2.62	2.15	2.28	2.24	20.21	16.74	17.90	18.50
Ukraine	2.65	2.57	2.65	2.70	3.28	2.96	3.21	3.20	8.70	7.60	8.50	8.65
Kazakhstan	2.07	2.52	2.50	2.50	1.60	1.58	1.60	1.48	3.31	3.97	4.00	3.70
Belarus	0.45	0.43	0.40	0.40	3.14	2.20	3.50	3.50	1.42	0.94	1.40	1.40
Azerbaijan	0.32	0.32	0.32	0.32	2.55	2.72	2.72	2.72	0.82	0.87	0.87	0.87
Canada	2.11	2.40	2.70	2.70	3.73	3.50	3.78	3.78	7.89	8.40	10.20	10.20
Australia	4.12	3.72	4.20	4.20	2.24	3.23	2.19	2.19	9.25	8.31	9.20	9.20
Middle East												
Turkey	3.40	3.60	3.80	3.80	1.88	1.94	2.24	2.11	6.40	7.00	8.50	8.00
Iran	1.60	1.55	1.70	1.70	1.94	1.81	2.12	2.12	3.10	2.80	3.60	3.60
Iraq	0.78	0.60	1.20	1.20	1.26	1.30	1.33	1.33	0.98	0.78	1.60	1.60
Syria	0.80	0.80	1.20	1.20	0.97	0.50	1.00	1.00	0.78	0.40	1.20	1.20
Africa												
Ethiopia	0.96	1.00	1.00	1.00	2.13	2.20	2.30	2.30	2.03	2.20	2.30	2.30
Morocco	1.89	1.60	1.45	1.45	1.30	1.82	0.69	0.69	2.47	2.91	1.00	1.00
Algeria	0.76	1.03	1.03	1.03	1.27	1.90	2.00	2.00	0.97	1.95	2.05	2.05
Tunisia	0.39	0.31	0.40	0.40	1.02	0.99	1.63	1.63	0.40	0.31	0.65	0.65
South Africa	0.09	0.12	0.12	0.12	3.37	3.55	3.54	3.54	0.31	0.42	0.43	0.43
South America												
Argentina	0.94	1.20	1.00	1.20	4.00	4.22	4.00	4.00	3.74	5.06	4.00	4.80
Uruguay	0.15	0.15	0.15	0.17	2.52	3.83	3.75	3.82	0.39	0.58	0.57	0.63
Brazil	0.11	0.11	0.11	0.12	2.61	3.16	2.99	3.02	0.28	0.35	0.34	0.35
India	0.66	0.66	0.66	0.66	2.66	2.69	2.62	2.62	1.75	1.78	1.74	1.74
China	0.43	0.45	0.47	0.47	4.19	4.11	4.15	4.15	1.80	1.85	1.95	1.95
Mexico	0.36	0.35	0.36	0.36	2.81	2.82	2.81	2.81	1.01	1.00	1.01	1.01
Afghanistan	0.07	0.06	0.18	0.18	1.40	0.95	1.39	1.39	0.10	0.06	0.25	0.25
Others	1.77	1.83	1.81	1.81	2.26	2.23	2.32	2.30	4.00	4.07	4.20	4.17

Note:- World and Selected Countries and Regions Barley Area Million Hec., Yield Metric Tonnes/Hec., Production Million M.T. //USDA

The All India Pollution Control Board (AIPCB) has agreed to grant licences to dal millers of the country for a period of 15 years instead of the earlier practice of issuing licences for period of 3-5 years, senior representatives of the industry has said. The All India Dal Mills Association (AIDMA) had approached the Union government for doing away with the system of issuing No Objection Certificate (NOC) licences by the Pollution Control Board. A delegation led by Suresh Agrawal, president of the association, met senior officials of AIPCB to scrap the licence system or the system of issuing NOCs for the industry.

Turkey: Sunflower seed import duty in force

Over the last three seasons, sunflower seed crushing has grown in Turkey, owing to an increase in production and imports of raw materials. In the 2018/19 season all these indicators reached their highs. In order to protect local sunflower seed producers, Turkey actively applies state regulation through temporary introduction of import duties on imports of raw materials. This issue becomes especially relevant in the first half of a season, when sunflower seed supply in the domestic market grows, prices fall and commodities of local farmers become non-competitive. Over the past three seasons, the structure of sunflower seed imports has changed. A diversification, caused by an increase in supply from the Black Sea countries is seen. Moldova remains the key supplier of sunflower seed. Romania and Russia have considerable share in season 2018/19. The share of Ukraine has remained insignificant and varied within the range of 1-4%. Turkish government decided to raise sunflower seed import



duties from 20% to 27% until February 01, 2020. Thus, the increased duties will be in force during the first half of the 2019/20 season. Previously, the duty was raised from 13% to 20% until January 31, 2020. Given the crop reduction, the domestic demand will require import purchases, which will remain at the previous season's level and even increase slightly.

'FSSAI should tighten screws on adulterated coconut oil in Kerala'

Expressing concern over the prevalence of "adulterated coconut oil" in the market, the Cochin Oil Merchants Association (COMA) has requested the food safety authorities to prevent manufacturers outside the State from using the name 'Kera' or 'Kerala' in such oils. COMA alleged that these oils contain less than 25 percent of coconut and is mainly used in the production of hair oil and body lotions. The consumers should be made aware of the fact that such oils could not be used for edible oil purpose, Thalath Mahmood, president, COMA, said. The use of name 'Kera' or 'Kerala' in such oils should be banned and the authorities should carry out random checking of these products sold in the market, he said. He added that the arrival of adulterated coconut oil from outside Kerala is on the rise and in many cases liquid paraffin and palm kernel oil are blended. Many of the brands and loose coconut oil coming from other States are not subjected to any scrutiny at the production centres. The Association requested the Food Safety and Standard Authority of India (FSSAI) to take immediate steps to test and control the marketing and sale of adulterated coconut oil.



Government will buy groundnut at Rs 1,000 per 20kg: CM Vijay Rupani



Chief Minister of Gujarat Vijay Rupani said that the state government will procure groundnut at the same minimum support price as last year. Rupani said that despite expectations of a bumper crop due to a fair monsoon, farmers should not be worried about getting a lower MSP for their produce this year. Last season, the government had procured groundnut for Rs 1,000 a 'maund' (20kg), or Rs 50 per kg. Addressing farmers at the Mahatma Mandir in Gandhinagar, the CM said, "This year, you will get a bumper crop. The government will buy groundnut at the rate of Rs 1,000 (per 20kg). You do not have to worry." He added that farmers will get competitive prices for all other produce too.



Study identifies gene responsible for early-maturing, high-yielding rice

Chinese researchers have identified a gene that enables hybrid rice varieties to have a higher yield and shortens maturity duration by seven to 20 days. Early-maturing rice cultivars usually have a low-yield. Although Chinese researchers have developed some early-maturing and high-yielding hybrid rice cultivars, the molecular mechanism underlying remains unclear. Researchers from the Institute of Genetics and Development Biology under the Chinese Academy of Sciences, as well as Sichuan Agriculture University found that among hybrid rice varieties with a gene named Ef-cd, the nitrogen utilization was facilitated and photosynthesis rate was improved. The researchers said Ef-cd could be a vital contributor of elite early maturing hybrid rice varieties in balancing grain yield with maturity duration. They said the study provides breeders with a valuable genetic resource that is useful for balancing grain yield with maturity duration for further elevating food production.

Scientists isolate drought-resistant gene in barley

Researchers at Heriot-Watt University in Edinburgh have found a gene that helps barley cope with climate change. The discovery of a gene in barley responsible for drought resistance will help future-proof crops against some of the effects of climate change, scientists believe. Researchers spent nearly five years isolating the specific gene – HvMYB1 – from more than 39,000 genes in barley. Tests proved that plants in which the gene is more prominently expressed are better able to survive drought. The scientists believe this finding will have important implications for the cereal industry as it faces increasing challenges from climate crisis-related drought. HvMYB1 acts as a master switch, turning on other genes which protect the plant against heat stress and allowing it to continue growing even when water is scarce. The gene already exists in barley plants but at Heriot-Watt they have bred plants in which the genetic switch is always in the "on" position.



Cabinet approves Rs 6,268 crore sugar export subsidy

The Cabinet Committee on Economic Affairs (CCEA) has approved sugar export policy for evacuation of surplus stocks during sugar season 2019-20. The CCEA, chaired by Prime Minister Narendra Modi, gave nod to sugar export subsidy of about Rs 6,268 crore to liquidate surplus domestic stock and help mills in clearing huge sugarcane arrears to farmers. "We have taken an important decision in the interest of sugarcane farmers. The cabinet has approved export subsidy for 6 lakh metric tonne (LMT) for 2019-20," Information and Broadcasting Minister Prakash Javadekar said. The government will provide a lump sum subsidy of Rs 10,448 per metric tonne to sugar mills for the sugar season 2019-20, the minister said. The total estimated expenditure of about Rs 6,268 crore will be incurred for this purpose. The export subsidy will be provided for expenses on marketing costs including handling, upgrading and other processing costs, international and internal transport costs and freight charges. The subsidy would be directly credited into farmers' accounts on behalf of mills against sugarcane price dues. Subsequent balance, if any, would be credited to mills' account. The decision will benefit millions of farmers in Uttar Pradesh, Maharashtra and Karnataka as well as other states, Javadekar added. Given the surplus sugar production in the last two seasons and various measures taken by the government, the ensuing sugar season 2019-20 is expected to commence with an opening stock of about 142 LMT and season-end stock is expected to be about 162 LMT.





India leads in global black tea output with northern bumper

Despite a sharp fall in Kenyan production, the global black tea output in the first half of current calendar increased over the corresponding period of 2018 by 1.44 percent, essentially due to the increase in India. This increase of 12.90 mkg marked a marginal gain of 1.44 percent. The increase would have been more had it not been for a significant fall of 18.40 mkg or 7.97 per cent in Kenya where, due to adverse weather, black tea output dropped to 212.59 mkg from 230.99 mkg in Jan-June 2018. All other countries posted an increase. Sri Lanka, which was struggling to make even its crop assessment, managed to report an increase of 0.29 mkg or 0.18 percent as its production marginally rose to 157.88 mkg from 157.59 mkg. However, the highest increase came from India, offsetting the Kenyan loss.

India's output

"India produced 473.68 mkg against 451.83 mkg in Jan-June 2018, marking a gain of 21.85 mkg or 4.84 percent," Rajesh Gupta, compiler of annual Global Tea Digest said. Here again, the production would have been more had it not been for a fall of 9.64 mkg or 8.75 percent in South India, which was reeling under adverse weather conditions in Tamil Nadu and Kerala. "Production in South dropped to 100.52 mkg from 110.16 mkg," Gupta noted. "North India, however, posted a massive gain of 31.49 mkg or 9.22 per cent with the output increasing to 373.16 mkg from 341.67 mkg in Jan-June 2018," he said. In the first half of current calendar, India topped the global black tea production table with Kenya at a distant second followed by Sri Lanka. Bangladesh is enjoying better times with the production in the first half rising by 8.56 mkg or as much as 44.15 percent to reach 27.95 mkg from 19.39 mkg in Jan-June 2018.

Brazil, Vietnam tighten grip over coffee market

Atowering machine rumbles through the fields of Julio Rinco's farm in the Brazilian State of Sao Paulo, engulfing whole coffee trees and shaking free beans that are collected by conveyor belts in its depths. This automatic harvester is one of several innovations that have cut Rinco's production costs to a level that few who use traditional, labour-intensive methods can match. With increasing use of mechanisation and other new technologies, the world's top two coffee producers, Brazil and Vietnam, are achieving productivity growth that outstrips rivals in places such as Colombia, Central America and Africa. They are set to tighten their grip. A plunge in global coffee prices in recent months, to their lowest levels in 13 years, has begun to trigger a massive shake-out in the market in which only the most efficient producers will thrive, according to coffee traders and analysts.

Rival producers elsewhere in the world are increasingly likely to be driven to the margins, unable to make money from a crop they have grown for generations. Some are already turning to alternative crops while others are abandoning their farms completely. Such shifts are almost irreversible for perennial crops such as coffee, as the decision to abandon or cut down trees can hit production for several years. In Colombia and Central America, coffee is typically grown on hillsides where mechanisation is more difficult, and hand-picking cherries has kept production costs relatively high. The African sector, meanwhile, is dominated by small-scale farmers often unable to raise the capital needed for new techniques. One such machine in Brazil replaces dozens of people in the field. Even with financing and fuel bills, farmers and machine manufacturers say there is a reduction of 40 to 60 per cent on harvesting costs. Brazil and Vietnam now produce more than half the world's coffee.



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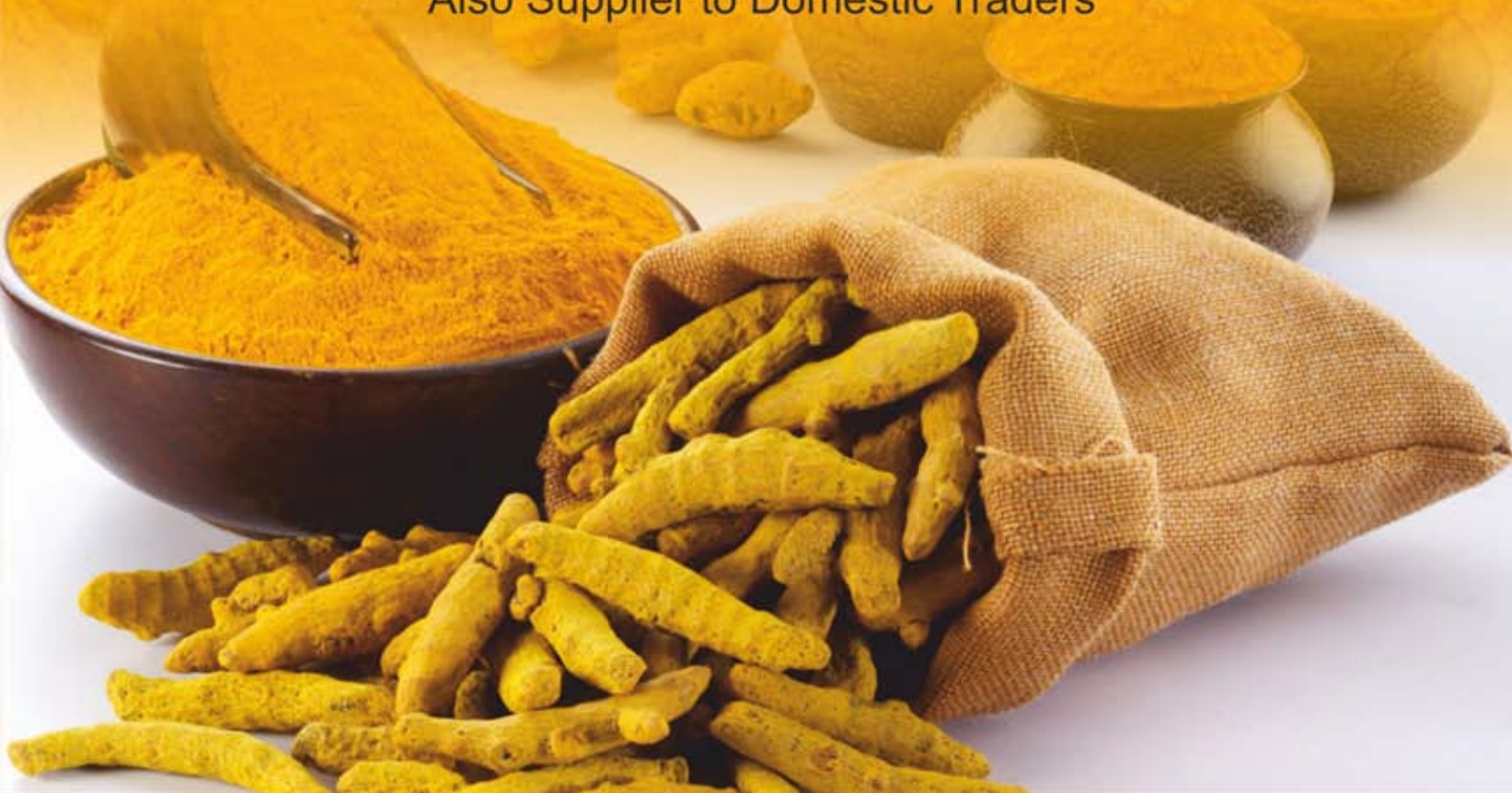


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The advertisement features a smiling woman with dark hair, wearing a green and black striped top, holding a small red SATMOLA bottle in her hand. In the foreground, there are two larger bottles of SATMOLA: a red one on the left and a green one on the right. The red bottle is labeled 'SATMOLA' and 'TARTY & DIGESTIVE TABLET'. The green bottle is labeled 'SATMOLA Pudina' and 'TARTY & DIGESTIVE TABLET'. Next to each bottle is a small packet of the same product. The background is a bright yellow and orange gradient with decorative floral patterns in the corners.



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