



BASAI News Updates

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LATE MONSOON REVIVAL BOOSTS FARM OUTLOOK

NEW DELHI: A late revival of the monsoon has brightened farm prospects, enabling a swift catch-up in sowing deficits of kharif crops that supply half of India's annual food output, data from the farm ministry show. The overall area planted with a range of crops, which was smaller due to erratic rains just weeks ago, now stands slightly above the normal limit, which is an average of the past five years, the data show as on September 16.



Late monsoon revival may help recover deficit in kharif output

Zia Haq

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NEW DELHI: A late revival of the monsoon has brightened farm prospects, enabling a swift catch-up in sowing deficits of kharif crops that supply half of India's annual food output, data from the farm ministry show.

The overall area planted with a range of crops, which was smaller due to erratic rains just weeks ago, now stands slightly above the normal limit, which is an average of the past five years.

At 109.2 million hectares, acreage has surpassed the average of 108.5 million hectares, the data show as on September 16.

To be sure, the area under rice, oilseeds and pulses is still lower than last year as heavy rainfall in some states and dry conditions in others hammered crops. But the sowing deficits in each of these have narrowed. As rainfall recovered, farmers acted swiftly to sow crops, especially



The area under rice remains lower than last year. PTIFILE

millets, whose area has jumped 4.2% to 18 million hectares.

The area under pulses stood at 13.1 million hectares, the data showed, bridging the deficiency of about 6% in August to 4.1% now.

The sowing deficit in paddy, which was nearly 18% in July, has been gradually tapering, and narrowed to 4.5% at 39.9 million hectares. The shortfall in oilseeds is just 0.6% now, to stand at 39 million hectares.

The paddy gap will remain because not much rice can be grown in August. The country is unlikely to see any serious shortage of key items as kharif acreage in most states is at normal levels, a farm ministry official said, requesting anonymity.

"The revival in monsoon is very good news not just because it narrowed sowing gaps, but also because large reservoirs are getting filled, soil moisture is being replenished and this is crucial for the rabi season," said KK Singh, head of agricultural meteorology at the India Meteorological Department.

The Reserve Bank of India, in a report released on Friday, said: "With the late revival and spread of the monsoon to the deficit regions and predictions of a delayed withdrawal, kharif sowing is set to exceed last year's acreage. Even paddy and pulses are swiftly catching up."

Extreme weather this year hit farm output prompting the country to ban export of the grain in May and put restrictions on shipments of rice this month.

Paddy season set to begin, Palwal admn gears up to check farm fires

BIJENDRA AHLAWAT TRIBUNE NEWS SERVICE

PALWAL, SEPTEMBER 17

With paddy harvesting set to begin, the district authorities have announced a drive to curb incidents of stubbleburning, claimed to be one of the main causes for the generation of the bad quality of air in the region.

"Though a total of 96 villages where paddy is grown will be on the radar, the authorities will give special attention to 18 villages included in the "red" and "yellow" zones respectively." said an official of the Agriculture Department here.

He said "red" and "yellow" zones were those from where a majority of the incidents of stubble burning were reported. While three villages of Baswa, Biduki and Khambi had been categorised to be in the "red zone", 15 villages, identified as Mandkol, Alawalpur, Badram, Janoli, Khajurka, Kithwari, Rasulpur Asawata, Chajjunagar (Palwal block) Sondh and Sewali of



Hodal Block and Hassanpur. Pinghor and Raidaska villages of Hassanpur block, were in the "yellow" zone.

"Besides keeping a check through the images collected by the Haryana Space Applications Centre (HARSAC), a nodal agency of the Citizen Resources Information Department, Haryana, for Remote Sensing and Geographic Information System (GIS), physical patrolling will be carried out 24X7 by teams the agriculture, police and panchayat departments to check the menace," said Dr Sharma, Deputy Pawan

Director, Agriculture (DDA).

Adding that the teams might have to halt in villages. he said monitoring would be done on a daily basis by a committee headed by the DC. He said as paddy harvesting was expected to start within a week and continue till October-end, swift action would be taken against the violations, which include the issuing of challans and registration of FIRs.

The district has a total of 25,000 hectares of area under paddy, which includes 22,000 acres under basmati and 3,000 hectares under the nonbasmati variety of the crop.

■ 96 villages where paddy is

grown to be on the radar

villages included in 'red'

Agriculture, police, pan-

chayat depts and remotesensing teams to be on job

A hoarding asking farmers.

Special focus on 18

and 'yellow' zones

Around 78 cases of stubble burning had been reported in the district last year in which a penalty of Rs 2.02 lakh was imposed, along with the lodging of four FIRs. Over 110 and 210 incidents were recorded in the district in 2020 and 2019, respectively, according to officials.

"As a violation invites a fine of Rs 2,500 for each acre, an amount of Rs 1,000 per acre is also given to those farmers who adopt proper measures for the proper disposal of the stubble." said the DDA.





Source T 18.09.2022 Delhi Edition

My miracle rice



I worked on rice breeding for 35 years and developed more than 300 high-yielding rice varieties, which came to be known as miracle rice. These were widely adopted and planted all over the world. In India, this gave impetus to the Green Revolution. From being food insecure and on the verge of famine in the 1960s, India has not only become self-sufficient, but has also become a food surplus country

COME from a farming family. While I was studying, the opportunities were very limited and I always wanted to go abroad for higher studies and do research. In this, I was encouraged by my father, who was my first mentor. Interestingly, he was the only one from his village. Rurkee, 7 km from Phagwara, to pass from a high school. After graduation from Punjab Agricultural University (PAU), Ludhiana, in 1955, I borrowed money from a relative and went to England. There, while I worked in a factory at night to return the borrowed sum. I'd apply for admission to various universities during the day. I was fortunate to get admission with scholarship in three universities in the US. In 1957, I joined the University of California, Davis, which offered me admission to PhD in Genetics with half-time assistanceship. After completing my PhD in sionals. It is vital to keep our country food istan. Our farm production is also dependent same university for seven years.

mended my name to the director of the and higher income for farmers. International Rice Research Institute (IRRI) The bane of the agricultural sector in India eventually affecting food production. in the Philippines; when he had come to our is that the farm size is very little. Nearly 80- Indian farmers should aim to produce university looking to hire a young rice 90 per cent farms in our country are less healthy food free of chemicals and other breeder 1 joined the IRRI in 1967, from than 2 hectares. Besides, the input costs contaminants. Less attention has been paid the University of California as adjunct pro- ple are dependent on farming. Slowly and cereals. Thus, the poor in India suffer from fessor and worked for another 13 years.

developed more than 300 high-yielding rice ment opportunities. varieties, which later came to be known as miracle rice. These were widely adopted and much area under rice cultivation. We need to improved living standards. An increasing planted all over the world, particularly in diversify and grow crops that require less number of Indians can now afford high-val-Asia. In India, this gave impetus to the Green water. The area planted for rice should be ue foods such as meat, milk, fruits and veg-Revolution. From being food insecure and on reduced progressively to less than half of what etables. They derive fewer calories from the verge of famine in the 1960s, India has it is at present. At present, the country spends not only become self-sufficient but has also more than \$2 billion in importing edible oils. become a food surplus country. It is the sec- Alternative crops such as soyabean and other ond largest producer of foodgrains, the pulses and sunflower should be grown largest milk producer, and the second largest instead. Small farmers should grow high-valproducer of vegetables in the world. It has 70- ue crops and vegetables. They could invest in consumption, are contributing to the increase million tonnes of buffer stocks of rice and animal farms. This will help increase production to besity. It is estimated that 70 per cent of wheat and is the largest exporter of rice in tion in poultry and fisheries sectors. the world. Because of the Ukraine-Russia conflict, India has become a major exporter resource management. Efforts should be of wheat. Yet, 200 million Indians are food made to develop newer technologies for water insecure and 40 million children below five and soil management. Indian soils have, on an years of age are stunted. This dilemma of average, 0.5 per cent of organic matter, wherefood surplus and food insecurity at the same as for high productivity, there should be at time is due to poverty and lack of employ-least 1.5 to 2 per cent organic matter. Because ment for the food insecure people.

I come to India almost every year and meet with philanthropic activities of my foundation which offers scholarships to the needy students. PAU is doing good work in farm now the norm all over the country, and a very research. But research on cellular and molecular biology (biotechnology) is advancing such as sprinkler and drip irrigation. rapidly and we need to invest in new areas of Countries like China are already investing cent less than normal, Bigger dangers lie as



RICE AND SHINE: (From left) Dr Gurdev Singh Khush, Dr Norman Borlaug and Dr MS Swaminathan, the agricultural scientists who played a seminal role in the Green Revolution, excrocourtest the warran

1960, I worked as a faculty member in the secure through farm research. Our scientists on the water from glaciers that melt in sumshould aim to do research worthy of a Nobel mers. The faster melting of our glaciers I was researching on tomato there when Prize. The breakthroughs in technology would lead to flooding of the Ganga and Sutthe chairman of my department recom- should go hand in hand with a rise in GDP lei basins. There will be lesser supply of

where I retired in 2002. Thereafter, I rejoined have been increasing rapidly. Too many peo- to improving the micronutrient content of slowly, we have to move more people away a lack of adequate amounts of zinc, iron I worked on rice breeding for 35 years and from farming and create alternative employ- and Vitamin A in their dief. On the other

of low organic matter, fertiliser-use efficiency. is also lose Not much attention has been paid

Water use in agriculture is treated as a free and unlimited resource. Flood irrugation is limited area is under water-saving methods

Already, climate change is affecting proresearch and make attempts for break-ductivity Last season, because of high tem- do is share my experiences and work with throughs in increasing food productivity. perature, the production of wheat was 10 per heavily in basic research. Young scientists the glaciers are melting very fast. A recent should aspire to become world-class profes-consequence has been the floods in Pak-

water left for irrigation during summer,

hand, we have changing food habits, which Also, the water table is going down due to too are a natural outcome of urbanisation and cereals such as wheat and rice. Thus, greater amounts of wheat and rice are now available for export.

Urbanisation leads to the consumption of processed foods. This, combined with over-Indians will live in urban areas by 2050. This Indian scientists have paid less attention to will impact the incidence of obesity, and healthcure costs will increase.

I have mixed feelings about subsidies. Some of the subsidies are necessary. For example, fertiliser subsidy was required during the food deficit decades of 1960s and 1970s. The Green Revolution may not have happened if there had been no subsidy for fertiliser At the same time, higher levels or pollution. The provision of free electricity for

I have worked for almost 60 years now. Though I no longer hold any office. I continue to work with young scientists who are doing research work. The best thing I can younger people

tubewells in Punjab is a bad use of subsidy.

- Based in California, the writer is an acclaimed agronomist and geneticist (As told to Seema Sachdeva)



Source T 18.09.2022 Delhi Edition

Modi to meet Union ministers, secys on economy, commerce

Saubhadra Chatterji

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NEW DELHI: Prime Minister Narendra Modi will meet the council of ministers and all secretaries later this month for a threadbare discussion on the issues of economy and commerce, officials familiar with the matter told HT.

One of the officials mentioned above said the meeting is of "utmost importance" as it takes place in the backdrop of the World Bank's latest report which indicates that the world could face a recession next year amid simultaneous tightening of monetary policy by central banks.

"Also, for a long time, economy and commerce have not been discussed at such meetings," the official added.

With just 20 months left for the next general election, the meeting is also intended to identify priority areas and political tasks, said the official. THE MEET COMES
IN THE BACKDROP
OF THE WORLD
BANK'S REPORT
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GLOBAL RECESSION
NEXT YEAR

The meeting, to be held either on September 28 or 30, is likely to see a stock-taking of the outcomes in the two sectors.

"All participants have been verbally informed, but no agenda of the meeting has been circulated so far to ensure free-flowing discussions on the two vital topics," said the second official.

Another looming issue is the soaring retail inflation that has grown to 7% in August — the eighth consecutive month when the Consumer Price Index remained above the 6% mark.

which is the upper limit of the Reserve Bank of India (RBI)'s tolerance band.

Opposition parties have been targeting the government on the issues of price rise and spiralling fuel prices, including cooking gas.

Discussions are also likely to be held on further ways to attract fresh investment and rejuvenate efforts for domestic production under the Make in India programme, said the second official.

"The Free Trade Agreements are a major area for the government and we are trying to push many of our traditional products, such as AYUSH components, into the WTO mainstream," said the official.

So far, India has signed 13 FTAs across the world and is now eyeing such agreements with the UK and Canada. Negotiations are also on for an FTA with the European Union.



Biological Agri Solutions Association of India

ll things control. But it is also bad news because could have also been worse measure many of the challenges are not new — and therefore, obstinate, if not systemic. The Mainstream the role of gender in climate policy course, and with this, the recognition that any framework to mitigate the situation requires a gender component. The nise the effects of the climate crisis on the lower agricultural yields that force rural-to-urban migration, especially by men, leaving the women to face greater vulnerabilities such as tackling water scarcity plan on the climate crisis. Governments and greater care-giving responsibilities, which take a toll on their health. On the policy level, gender has slowly been integrated into various climate frameworks, but this has not meant representation of women at the levels required, especially at the grassroots. In India, extreme weather events have steadily risen. Writing countries. The manner in which Accredited in a Compendium of Essays on Applying a Social Health Activists played a role in tack-Feminist Lens to India's Foreign Policy ling the climate crisis and health is worth brought out by Kubernein Initiative and The Asia Foundation, scholar and climate Mantri Ujjwala Yojana, which promotes expert Dhanasree Jayaram says that in LPG among rural women, is another examnearly 40% of India's districts, there have ple of a mitigation initiative. As Jayaram been shifts in extreme climate events. This says, "India has already put in place several adaptation on the one hand, and gender However, in most policies, women are seen as vulnerable or victims, and not the other. These can bring further stakeholders. This can only change if genin the way climate policies are designed and A milestone in India's climate diplomacy has been the setting up of the International Solar Alliance (ISA), with its focus on clean energy technologies. Without explicitly Change's gender action plan itself." mentioning it, gender is a key component of ISA, which supports a project called Solar mate policy and diplomacy would give Mamas under which women are trained to greater legitimacy to India's efforts in an make and maintain solar panels. arena in which it can demonstrate that it is This demonstrates a real intersection of both an innovator and a responsible global the climate crisis and the role of gender in power in the South Asian region. alleviating it. Another area which has potential for gender mainstreaming is lalita.panicker@hindustantimes.com The views expressed are personal SUNDAY LETTERS Road ahead for UK It's time to build regional climate summits This refers to Bharati Chaturvedi's Collaborate to build up climate resilience (September II). It is time to build Thapar's Sunak lost, but

Source HT 18.09.2022 Delhi Edition

Super bowl: It's a high score for the ultimate wholegrain



n 1994, Rickard Öste, professor emeri-tus with the department of food technology at Lund University, Sweden, invented an oat-based drink he called years it remained a niche product.

launched "the barista blend", in 2014. Com- once!) cannot separate it into its comporecommend it to their customers. The baristas loved it because the plant-based milk had a rich texture that made frothing easier.

The brand became so successful, mainly via cafés, that it debuted its IPO on the Nasdag valued at \$10 billion, in 2021. The company has gone on to launch oat-based creamers, ice-cream, yoghurt. There's talk of oatbased cheeses next.

The oat breakfast beyond Oatly, meanwhile, has evolved too. You can now buy oat reabsorption. The body then makes up for groats, rolled oats, instant oats. All this star- the lost bile by converting existing cholesring a grain that was viewed with disdain for centuries. Samuel Johnson's Dictionary of the English Language (1755) defined the oat as "A grain, which in England is generally given to horses, but in Scotland supports the people." (The UK is one of the world's largest

gesting enzyme, lipase, that makes the grain and pasty when heated. go rancid quickly unless inactivated by heat treatment. It's also a hard grain to cook. Whole groats (oats with just the husk removed) take up to four hours. Grinding the grain is an option, but that yields a pulpy por-

ridge with an admittedly unlikeable

One of the first breakthroughs in cooking time was achieved by chopping up groats using

cook in an hour. Another significant improvement came when the Nagel brothers (John and Henry, from Illinois) were able to produce oat flakes by pressing oat groats with rollers. This technique, invented in 1900, dropped the cook time to 10 minutes or

The thing about oats is that they're really good for you, precisely because they are so hard to process. Unlike rice and flour, oats cannot have their fiber refined away. The oat grain does not break cleanly into bran, germ Then Oatly's new CEO Toni Petersson and endosperm. Food manufacturers (for pany reps were sent to high-end coffee shops nents. Oats remain technically wholegrain, across New York City to convince baristas to even when steel-cut or chopped up. This ous, zinc etc) to a far greater degree.

Oats are also rich in soluble fibers called terol levels in the body. One theory is that beta glucans do this by absorbing water to form a gel in the stomach. This gel acts like a net that traps bile and pushes it through the intestines and out of the body, preventing terol into bile. Beta glucans also have anti-inflammatory properties, boost the growth of good gut bacteria and some studies suggest they may help lower the risk of heart disease.

Meanwhile, unable to break down the grain, food technology has focused instead on ancillary products such as oat milk. This Yes, oats are a late bloomer compared to is good news too. Try making oat milk at staples such as rice and wheat. There's a rea-home. The moment you heat it, it gets gooey son for this. Oats carry two to three times and viscous. This is because of the presence more fat than wheat. They contain a fat-di- of a starch called amylose, which gets thick

How does "barista oat milk" prevent this? Öste figured out that if enzymes were added to oat milk, they would break down the main starch components (amylose and amyloped tin) into smaller carbohydrates such as... dextrin and glucose. As a bonus, they make the oat milk taste sweet with no added sweeteners. Whichever way you cut it, oats are a





F.No. 2-5/2022-NRAA Government of India Ministry of Agriculture & Farmers Welfare Department of Agriculture & Farmers Welfare (National Rainfed Area Authority) NASC Complex, 2nd Floor, Dev Prakash Shastri Marg, Pusa New Delhi-110012

Subject: Engagement of Senior Technical Consultant, Technical Consultant and Young Professional on contract basis in National Rainfed Area Authority.

National Rainfed Area Authority (NRAA) invites applications for engagement against one position each of Senior Technical Consultant (Forestry/Agro-forestry), Senior Technical Consultant (Watershed Development), Technical Consultant (Watershed & Community Management), Technical Consultant (Horticulture) and Young Professional (Water Management), Young Professional (Forestry) on contract basis.

2. For further details relating to eligibility and other terms and conditions, the applicants may visit NRAA official website www.nraa.gov.in under the link www.nraa.gov.in/ Recuritments.aspx. The last date for receipt of applications is up to 21st October, 2022.

Sd/-

(Bikram Singh), Section Officer

CBC 01145/12/0012/2223

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