

## Himachal to launch project to enhance milk output



The state government will launch a sex-sorted semen (SSS) project under the artificial insemination programme to ensure the birth of female calves to enhance milk production and fast-track profits of dairy farmers.

The SSS technology will be introduced in all 12 districts of the state next month, said Animal Husbandry Minister Virender Kanwar. He added that the Department of Animal Husbandry and Dairying (DAHD) of the Union Government had sanctioned the project under the Accelerated Breed Improvement Programme of the Rashtriya Gokul Mission and a grant of Rs 8.42 crore had been released to the state.

The minister said that the first insemination in cows and buffaloes under the programme would be undertaken next month and the SSS of advanced breeds such as Gir, Sahiwal, cross-bred Jersey and cross-bred Holstein Friesian.

## A.P, Animal Husbandry Department to promote Surrogacy to save native cow breeds



Department of Animal Husbandry, A.P. is embarking on a programme aimed at preserving native breeds including Ongole Bulls and Ponganuru cow breed by promoting surrogate motherhood and embryo transplantation in local cows. The department told that they had supplied 1,000 semen doses of native breeds including Ongole breed cows apart from embryo transplantation in surrogate mothers.

Research on improving the native breeds also will be carried out by the department. The programme is aimed at improving, conserving and propagating indigenous cow breeds through IVF embryos transplantation and as well as artificial insemination. Farmers need to purchase the semen doses at Rs 1,000 per dose.

## Mizoram Chief Minister Zoramthanga launches flagship scheme to uplift livelihood of 60,000 people



Mizoram Chief Minister Zoramthanga on Friday launched a family-oriented flagship scheme - 'Socio- Economic Development Programme (SEDP)' - to uplift the livelihood of 60,000 beneficiaries across the state.

During the function, the Chief Minister handed over cheques amounting to around Rs 153 crore to nine departments which would be implementing the SEDP and transferring the financial aid to the beneficiary's bank accounts at the rate of Rs 25,000 as the first installment.

Officials said that the SEDP would be implemented by nine line departments Agriculture, Horticulture, Animal Husbandry and Veterinary, Fisheries, Sericulture, Land Resources, Soil and Water Conservation, Commerce and Industries, Urban Development and Poverty Alleviation and Tourism Departments.

## Manure From California Dairy Farm Powers 17,000 Electric Vehicles

Cows from Bar 20 Dairy in California are helping fuel more than 17,000 electric vehicles in United States

Seven thousand cows from Bar 20 Dairy near Fresno are, providing manure to the project. The dung goes from Dairy goes into a pipeline and covered lagoon outfitted with a “first-of-its-kind, next generation, climate-smart digester”.

The methane reductions at the farm total more than 25,000 tons of carbon dioxide emissions annually. The cow power also is used to run a feed mixing system at Bar 20, replacing diesel and reducing smog-forming emissions by 90%. Two solar arrays provide electricity for the dairy barn and offset power usage.

The project totalled about \$13 million, including a \$3 million state grant. The partnership with BMW, to purchase renewable energy credits based on the cow power that’s created, helped make the project viable.



## Odisha dairy farmers in lurch, milk output hit



Shortage of cattle feed has hit milk production in Jagatsinghpur and Kendrapara districts, Odisha. Even as the water level of major rivers of the State is going down, the shortage of cattle feed in the past week has affected milk production in the flood-hit districts.

In Jagatsinghpur, as many as 27,261 cattle including 17,900 cows and buffaloes along with 9,361 goats and sheep were affected by the flood in 82 villages of seven blocks. Even after a week, little has improved in 26 villages of the district where 18,173 people remain marooned.

Large tracts of grazing land remain inundated depriving cattle of fodder. Chief district veterinary officer Bira Kishore Parida said dairy farmers in the affected villages of the district have been given cattle feed for 10 days. As many as 56 camps were opened in the affected villages where 15-ton cattle and 14 quintals of green fodder were supplied to the affected farmers. Manager of Nuapada Milk Chilling Plant, Tirtol Lalit Kumar Patra said milk production at the plant has come down to 35,000 litres per day against 55,000 litres before the flood.

## Israeli Ag-Tech start-up producing dairy proteins in lettuce

Israeli start-up Pigmentum is producing bio-molecules for the food industry in transgenic plants. Co-founder Tal Lutzky said, therein lies a 'major' problem: whether sourced from animals or plants, the bio-production of compounds is unsustainable and produces 'very limited' yields.

Together with co-founder Amir Tiroler, Lutzky is taking a more sustainable approach to the production of biomolecules, he explained. The Israeli ag-tech company is leveraging transgenic modification and molecular farming techniques to produce high yields of natural compounds for the food industry.



Their technology is founded on the inducible mechanism in transgenic plants. This means that the plant gene - which Pigmentum encodes to produce specific compounds - is 'fully silent' until the start-up deploys an external agrochemical signal.

The start-up is also producing animal-sourced compounds in its transgenic lettuce varieties. The first protein in its sights is the main protein in milk: casein. The protein exists in four sub types – as1-casein, as2-casein,  $\beta$ -casein, and K-casein - and Pigmentum hopes to commercialize them all for the alternative dairy sector.

## Agriculture Skill Council of India has organised a Agri Skill Conclave 2022



Agriculture Skill Council of India (ASCI)-the Sector Skill Council on Agriculture, organized the first Agri Skills Conclave, on the theme of "Krishi se Atmanirbharta" with the support of the Ministry of Skill Development and Entrepreneurship (MSDE) and the Ministry of Agriculture & Farmers' Welfare (MoA&FW).

The conclave will focus on some of the pertinent topics related to the Strengthening of the Skill Process and New Skilling Opportunities in the Agri sector, a release stated.

The Chairman of ASCI, Maneesh Mansingka addressed the confluence emphasizing the need for a skilled workforce that can meet the Agriculture sector's current and future needs and the urgency of developing new competencies focused on handling new technologies for improving the productivity and sustainability of the sector in the areas of agri-tech, farm digitization, agri-based e-commerce, alternative energy, to name a few, a release added.

He further highlighted the achievements of ASCI in the last year. He reiterated that ASCI will continue to contribute significantly to the skilling, upskilling, and reskilling of the workforce and bring about a positive impact on the 'Krishi se Atmanirbharta' initiative of the government, it added.

The Secretary, MSDE spotlighted the issues revolving around the sector and the need for mechanization and automation to increase the productivity of the sector.

ASCI took this opportunity to release the Farm Mechanization Sector Skill Gap Study and Short-term Courses Directory developed by ASCI through the auspicious hands of the Secretary, MSDE.

## CEDSI has signed an MoU with VKCoE, IRMA

CEDSI Signs MoU With VKCoE, IRMA. This collaboration between both organizations would help the dairy stakeholders to sensitize to the current & upcoming technological advancements.

Both organizations understand the importance of Skill Development in the Dairy sector & intend to augment the knowledge & Skill levels of the workforce. The influx of new technology such as data science, blockchain, automation, IoT, etc. has opened up a window for new skill sets and this association shall specifically work towards bridging the gap, making stakeholders lifelong employable.



## CEDSI Organized a Upskilling Program for the Dairy Farmers in collaboration with Khalsa University

Centre of Excellence for Dairy Skills in India organized a dairy farmers training program in collaboration with Khalsa University, Amritsar. The two-day training was organized for farmers where they were trained in end-to-end dairy farming practices. The training program was designed for the dairy farmers to promote dairy as a sustainable business.



## Dairy Farmer / Entrepreneur Training of Trainers – Program



Date: 5<sup>th</sup> September 2022

Registrations are Open

### Required Qualification

Minimum Educational Qualification of the Trainer	Sector Specific Experience (in years)
Regular VLDA (Veterinary livestock development assistant)	3
Regular Diploma more than 15 months in veterinary /Animal Husbandary / Dairying	3
B. Sc Agriculture	2
B. V. Sc./ B Tech Dairy	0

### Benefits of ToT Program

- ▲ Orientation and alignment of trainers and assessors with NSQF
- ▲ Development of training delivery skills, best practices and assessment criteria's in trainers engaged in imparting skill training of dairy farmer job roles at skill development training centers
- ▲ Road map for a profitable dairy business with evolving technological skill needs, to further create community resource person making dairy a profitable enterprise.

### Registration Charges:

Model of TOT	Online Mode
ToT for a New Trainer	Rs. 8000/- per candidate

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## Centre of Excellence for Dairy Skills in India

### Join Our Membership Drive and Get Benefits of

- ✓ Platform to interact with other members in the sector
- ✓ Networking opportunities with corporate leaders and government authorities
- ✓ Special costs of training in Skill India Certified Programmes
- ✓ Access to our Journal and Publications
- ✓ Expert advice in day-to-day operations and management of livestock /farm productions
- ✓ Free registration on the job portal and regular updates on job vacancies in the sector
- ✓ Recognize your organization with CEDSI Yearly Awards and Recognition
- ✓ Chance to reach across the board through advertising in our press releases, news and articles
- ✓ Consultative and advisory services to help members
- ✓ Consulting and advisory services to help members
- ✓ Periodic e-newsletter for the latest news, govt. announcement and schemes in dairy sectors
- ✓ Updates on training programs of CEDSI and access to the training calendar

### Who Can Become a Member -



Corporates/  
Cooperatives



NGO's/CSR  
Foundations



Dairy Farmers



Students



Professional

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