

# ANNUAL REPORT 2024-25



**AGRILIV<sup>®</sup>  
RESEARCH  
FOUNDATION**



*Integration of Livestock & Agriculture  
for Sustainable Development*



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**ARF TEST HOUSE**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

PANIPAT GOHANA ROAD, 28.5 KM, NH 71A, VILLAGE CHIDANA, TEHSIL GOHANA, SONIPAT,  
GOHANA, HARYANA, INDIA

in the field of  
**TESTING**

Certificate Number: TC-14345

Issue Date: 24/08/2024

Valid Until: 23/08/2026

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Entity: Ayurved Research Foundation

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer

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# Profile

<b>Name of the Organization</b>	<b>Agriliv Research Foundation</b> (formerly Ayurved Research Foundation)
Registered & Corporate Office Address	406, 4th Floor Sagar Plaza, District Centre, Laxmi Nagar Vikas Marg, Delhi-110092
R&D Centre	<b>Haryana Office:</b> 28.5 km, Panipat-Gohana Road, NH-71A, Village: Chidana, Tehsil: Gohana, Distt: Sonapat, Haryana-131306
Branch Office	<b>Uttar Pradesh Office:</b> Subhash Nagar, Ward No.-14 Nagar Panchayat Parishad, Maharajganj, Pin-273303
Phone Number	+91-7027540555
Website	<a href="http://www.agriliv.co.in">www.agriliv.co.in</a>
Name & Designation of Chief Functionary	Mr. Naveen Dhingra Chief Executive Officer (CEO)
<b>Registration Details</b>	
Trust Registration No.	21973
Principal Act and By Law by which organization is governed	Indian Trust Act, 1882
Act under which registered	“Deed of Trust” Registered with the name of “Ayurved Research Foundation” dated November 16, 2005, at New Delhi. Further, the name has been amended from “Ayurved Research Foundation” to “Agriliv Research Foundation” vide registered supplementary deed No. 1561 dated 12 <sup>th</sup> December 2023.
National CSR Hub Code	B/04/13/09/323
Income Tax	Section 12A
Income Tax Exemption	80G
Recognized by Department of Scientific & Industrial Research (DSIR)	Certificate No. F. No. 11/707/2016 -TU-V
<b>Auditors</b>	Sandy Associates Chartered Accountants 104, Delhi Chamber, Delhi Gate, New Delhi-110002
<b>Banks</b>	ICICI Bank Canara Bank Punjab National Bank



**Pradip Burman**  
Chairman

# Chairman's Message

I am pleased to present the Annual Report of the Agriliv Research Foundation (ARF) for the year 2024–25, marking the 16th consecutive edition of our publication. I take this opportunity to acknowledge and commend the ARF team for their dedication and innovation in implementing impactful projects across multilayer farming, livestock health and productivity, and integrated farming systems—all contributing meaningfully to rural development, sustainability, and increased farm income.

During the year, the Agriliv Research Foundation (formerly Ayurvet Research Foundation) placed special emphasis on the integration of livestock with sustainability through the "One Health" approach.

Farmers across Uttar Pradesh and Haryana benefited from live demonstrations promoting sustainable agriculture and integrated livestock practices. ARF's R&D Centre played a crucial role by offering essential testing services for soil, milk, water, and feed ingredients, thereby enabling farmers to produce safe and nutritious food. Furthermore, our focused project on enhancing the reproductive and health status of indigenous female calves has underscored the importance of balanced nutrition and proper management. Noteworthy progress was made through collaborative projects with DBT Biorationals, particularly those focusing on indigenous cow breeds. These initiatives have shown encouraging outcomes in improving soil fertility and reducing dependence on chemical fertilizers.

As we move forward, ARF remains steadfast in its commitment to building stakeholder trust and driving sustainability-led value creation.

Best regards,

A handwritten signature in black ink, appearing to read 'Pradip Burman', with a vertical line above it.



# CEO'S Message

**Naveen Dhingra**  
Chief Executive Officer

It is with great pride and gratitude that I present the Annual Report of Agriliv Research Foundation (ARF) for the financial year 2024–25. This year marks a period of meaningful progress, strategic partnerships, and deeper engagement with farming communities as we continue our mission to promote sustainable agriculture, livestock integration, and rural development.

Our rebranded identity—from Ayurved Research Foundation to Agriliv Research Foundation—reflects our renewed focus on holistic agri-livestock livelihood solutions. We have continued to champion integrated farming models, strengthened our multilayer farming programs, and advanced livestock health initiatives, all tailored to improve farm productivity and resilience with a focus on maintaining circularity of natural resources.

Notably, our collaborative efforts under the “One Health” framework have yielded promising results, especially in projects focusing on indigenous cow breeds and soil fertility. Through our field demonstrations, capacity-building sessions, and scientific support via the R&D Centre, we have been able to reach and empower farmers across Uttar Pradesh and Haryana with knowledge, tools, and resources for sustainable and profitable farming.

Looking ahead, ARF remains committed to driving innovation, building strong institutional linkages, and creating scalable models for rural prosperity. I sincerely thank our partners, donors, and field teams for their unwavering support and dedication. Together, we move closer to our vision of transforming rural livelihoods through science, sustainability, and community participation.

Warm regards,

# Board of Trustees



## **Mr. Pradip Burman, Chairman**

An alumnus of the world-renowned MIT (Mechanical Engineering). Mr. Burman is the creator of the Trust. Mr. Burman has held several positions in Dabur India before joining the Board of Dabur in 1985. He is currently the Chairman of Dabur Nepal Pvt. Limited (a subsidiary of Dabur India Ltd.) and also serves as a promoter director on the Board of Aviva Life Insurance Co. Ltd. with many awards and honours in his name. He is also the former Chairman of Ayurved Limited. He is currently the Chairman of Mobius Foundation and has a passionate interest in Sustainability, social work and creative arts.



## **Mr. Mohan Ji Saxena, Managing Trustee**

A gold-medal Pharmacy post-graduate from Banaras Hindu University. Retired as Managing Director of Ayurved Limited after over 30 years of service to animal health. He led Ayurved's R&D before assuming the MD's role. His work focuses on food safety, antimicrobial resistance, agriculture, and rural development, with several published papers in reputed journals.



## **Dr. Vibha Dhawan, Trustee**

Dr Dhawan is Director General of TERI. For more than three decades she has been actively involved in tree tissue culture and has developed the technique of in-vitro nodulation for the leguminous tree and has been instrumental in setting up of the modern tissue culture laboratory at the institute. She has a number of awards to her credit including: AIBA award in the category of Individual Scientist for the year 1998; Kamal Kumari Foundation award for science and technology for the year 1998; First Biotech Product & Process Development and Commercialization Award of the Department of Biotechnology for the year 2000.



## **Prof. A.C. Varshney, Trustee**

Prof. A.C. Varshney former Vice Chancellor Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwa Vidyalaya evam Go-Anusandhan Sansthan, Mathura (U.P.) . Prior to that he held the position of Dean, College of Veterinary Sciences and Animal Husbandry, CAU, Aizawl, Mizoram and Dean, College of Veterinary and Animal Sciences, CSKHPKV, Palampur. Dr. Varshney has a brilliant academic record as a student as well as a teacher and scientist and has published 160 research articles and guided 13 postgraduate students.



## **Prof. Arvind Kumar, Trustee**

Padma Shri Awardee Prof. Arvind Kumar is a renowned Agronomist and the founding Vice-Chancellor of Rani Lakshmi Bai Central Agricultural University (RLBCAU), Jhansi, Uttar Pradesh, recognized for his contributions in the domain of agricultural research. He also served as Deputy Director General (Agriculture Education) of ICAR, New Delhi, Director, ICAR - DRMR, Bharatpur and Joint Director (Extension) in G.B. Pant University of Agriculture & Tech., Pantnagar. He published around 160 research papers and 90 articles.

# Research Advisory Board

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**Dr. Kusumakar Sharma, Chairman**

Former ADG-HRD, ICAR  
New Delhi

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**Mr. Mohan Ji Saxena, Member**

Former Managing, Director, Ayurved Ltd., Delhi  
Managing Trustee, Agriliv Research Foundation  
Director, Alternative Green Energy Solution Pvt. Ltd.

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**Dr. T.P. Trivedi, Member**

Former Project Director and ADG, ICAR  
New Delhi

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**Dr. Anup Kalra, Member**

Former Executive Director, Ayurved Ltd., Delhi  
Director, Alternative Green Energy Solution Pvt. Ltd.  
Director, QCS Herbals Pvt. Ltd.

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**Prof. A.C. Varshney, Member**

Ex Vice Chancellor, DUVASU, Mathura

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# Meet Our Team



## **Mr. Naveen Dhingra, Chief Executive Officer**

Mr. Dhingra is a distinguished leader and policy expert with over 35 years of extensive experience in agriculture and rural development. He has held various prominent positions at the National Bank for Agriculture and Rural Development (NABARD) and its subsidiary, NABARD Consultancy Services (NABCON).



## **Dr. Anup Kalra, Strategic Advisor**

Dr. Kalra is a seasoned expert in the area of Animal Health & production. He has held several senior positions in Animal Nutrition & Health industry. He has many awards, books, and published papers to his credit.



## **Ms. Kanchan Chauhan, Senior Manager HR & Operations**

Ms. Chauhan is a seasoned professional with a robust academic background, holding a graduate degree in Agricultural Engineering and a postgraduate degree in Human Resources Management.

## Projects



**Jainendra Kr  
Gupta**



**Kusum Saha**



**Abdul Kadir**



**Asha Rautela**



**Pooja Shrivastav**

## HR | Admin

## Finance & Accounts | IT



**Piyush Kr Pandey**



**Anjana**



**Deepak Tyagi**



**Angrej Singh**

## R&D | Test House



**Dr. Anil Kanaujia**



**Dr. Puneet Pathak**



**Anil Rathee**



**Somveer**



**Nitesh Thakur**



**Kirti Sharma**



**Shashi Prabha Yadav**



**Purushottam Singh**



**Divyanshu Dubey**



**Shivcharan**

## Key Highlights

**Agriliv Research Foundation** (formerly Ayurvet Research Foundation), a Public Charitable Trust duly registered under the Indian Trust Act with its own state of the art DSIR approved R&D Centre. Since 2005, ARF has successfully carried out research and extension activities in the area of food safety, soil and water health, quality control of livestock production, health and nutrition management, better crop cultivation technologies, vermicomposting, trainings of youth and farmers, skill development and empowerment of women.

## Key Activities

### A. Agriculture Extension – Multilayer Farming:

The Agriliv Research Foundation (formerly Ayurvet Research Foundation) had made a successful effort to educate farmers on Multilayer Farming technique with the support of NABARD. The duration of the project was for two years. This multi-layer farming model project was demonstrated in 10 acres of land, one acre per farmer in three villages of Muradnagar block, Ghaziabad District.

The project model effectively demonstrated an increase in the aggregate production of multiple crops per unit land area. The farmers could generate 2.1 times higher income compared to sugarcane mono farming in the first phase of the project. Efforts of the work done by farmers and ARF team under this project were highly appreciated by government officials.

### B. Product Development for Value Creation – DBT Biorational:

Agriliv Research Foundation (formerly Ayurvet Research Foundation) had received the project from Department of Biotechnology under the SUTRA- PIC program. The program focused on upliftment of dry cows of indigenous breed. Through this project team promoted their status by developing a product out of their dung. The management of cow dung and urine is very important for

use in organic farming and the environment. This would help to educate the farmers about usefulness of cows and their dung.

### C. Skill Development – Micro Enterprise Development Program (MEDP):

Under Livelihood Entrepreneurship Development Program (LEDP) Project of NABARD, Agriliv Research Foundation (formerly Ayurvet Research Foundation) provided 10 days detailed oriented training on milk processing and value added by products to 30 women of Self-Help Group (SHG). Training on milk processing and its value addition was delivered by professionals from NIFTEM, AMUL, VERKA, LUVAS, Krishi Vigyan Kendra, and related subject experts. These women received a certificate and financial support following their training.

### D. Rural Development Projects:

In an effort to increase the income of farmers, ARF implemented various programs. Farmers and milk producers were mobilized for formation and promotion of Farmer Producer Organizations (FPOs) in 7 districts of Haryana and Uttar Pradesh. ARF conducted different training programs on methodology and benefits of Integrated Farming, Organic Farming, Food Processing, Vermicomposting, Multilayer Farming and Advance Agro Technologies. Assistance was provided in marketing of their produce at different commercial platforms. Farmers were trained under the various programmes to use vermicompost instead of



artificial fertilisers. To assist in learning related technology for simple adaption and application, farmers were taken to various agricultural institutes in India. ARF received a Cluster Based Business Organisation (CBBO) project by NAFED for the establishment and promotion of 5 FPOs in Eastern Uttar Pradesh under the central sector scheme.

**E. ARF Institute of Entrepreneurship Development:**

To create livelihood opportunities in rural India, ARF has trained 15 rural youths in Artificial Insemination (AI) and dairy farming for three months. Under this programme, youths were trained in both theoretical and practical aspects. Post training, most of the youths have started earning their livelihood by providing animal healthcare and AI services in their own villages.

**F. Animal Health and Breed improvement programme:**

ARF organised 15 farmer meetings to create awareness to get the maximum production with minimum input cost. ARF promoted artificial insemination to upgrade the breed of the animals to improve the total production & productivity of individual. Total 1647 artificial insemination were performed with the use of semen of genetically superior bulls of cattle & buffaloes. After the pregnancy diagnosis of the inseminated animals, 955 animals were found pregnant. i.e., 58% conception rate.



**KEY AREAS OF INTERVENTION**

## G. ARF Test House:

ARF Test House was successfully accredited by NABL. ARF Test House is the commercial arm of Agriliv Research Foundation (formerly Ayurved Research Foundation). It is undertaking testing of soil, water, animal feeds and herbs. More than 1200 samples were analyzed and reports were shared. Successfully cleared the 2nd surveillance audit conducted by NABL for meeting the regulatory compliance of testing (Valid till - 23/08/2026).

## Governance

Agriliv Research Foundation (formerly Ayurved Research Foundation) is governed by Board of Trustee(s) headed by Sh. Pradip Burman, Chairman. The research programme and extension activities conducted by the organization were regularly reviewed by Board to ensure fulfilment of its vision and implementation of objectives.

Our research programs were undertaken as per guidance from Research Advisory Committee headed by Dr. Kusumakar Sharma (Former ADG-HRD, ICAR).

## Audits

Internal and statutory audits are conducted and submitted to Board of Trustees.

## Regulatory Financial Compliance

Agriliv Research Foundation (formerly Ayurved Research Foundation) is registered under Section 12A and 80G of Income Tax Act 1961 and adheres to all legal requirements.

## Research and Development Centre

Agriliv Research Foundation (formerly Ayurved Research Foundation) R&D Centre has been recognized as a SIRO (Scientific and Industrial Research Organization) by the Department of DSIR, Ministry of Science and Technology, to conduct research in the areas of food safety, agriculture, hydroponics, AMR, animal health and

nutrition, medicinal plants, soil and water health, waste to wealth management etc. R&D Centre is well equipped with 56 modern instruments. In order to strengthen and streamline the processes, centre



## ISO 9001:2015 Certification

complied with ISO 9001:2015 guidelines, for which it was certified.

## Research projects for the industry/ institutions:

**1. Project Title: Awareness and Assessment of Mastitis in Sonipat and Panipat District.**

**Duration: 12 months (April 2024 - March 2025)**

### Objective:

To identify the causal microorganism for mastitis and its sensitivity against antibiotics.

To create awareness about udder health and prevention of mastitis. Mastitis is the most dreaded disease for dairy farmers owing to its impact on milk

production, increased treatment, labour and milk loss cost. On recommendation of the veterinarians, around 240 milk samples of suspected cases were collected from villages of district Sonipat & Panipat.

**Result:** Infection was due to presence of *S. aureus*, *S. epidermis* and *E. coli*. Apart from these, there were other causal organisms such as *Pseudomonas* sp.

Overall, it was found that usage of Enrofloxacin, Ciprofloxacin, Ceftriaxone/ Tazobactam, Cefoperazone/ sulbactam; Oxytetracycline, Neomycin, and Streptomycin were more sensitive than rest of the antibiotics.

The cure rate was close to 85%, which was appreciated by the veterinarians and farmers.

## 2. Project Title: Estimation of Total Aflatoxin Content in Raw Material of Cattle and Poultry Feed.

**Duration:** 12 months (April 2024 - March 2025)

**Objective:** To study the total aflatoxin present in raw material for assuring the quality feed in different districts of Haryana.

Aflatoxins are secondary metabolites produced by microscopic fungi which show toxic effects on human beings and animals. Mostly *Aspergillus flavus* and *Aspergillus parasiticus* are found in cattle and poultry feed ingredients as a contaminant. Total 24 samples were received for the aflatoxins analysis. The aflatoxin analysis was done using ELISA reader.

**Result:** To avoid the adverse effect of the aflatoxin. It has been advised to the manufacturers to store all raw material in moisture free, airy and ambient environment conditions to avoid fungal contamination.

## 3. Project Title: Quality Assurance of Medicinal Plants.

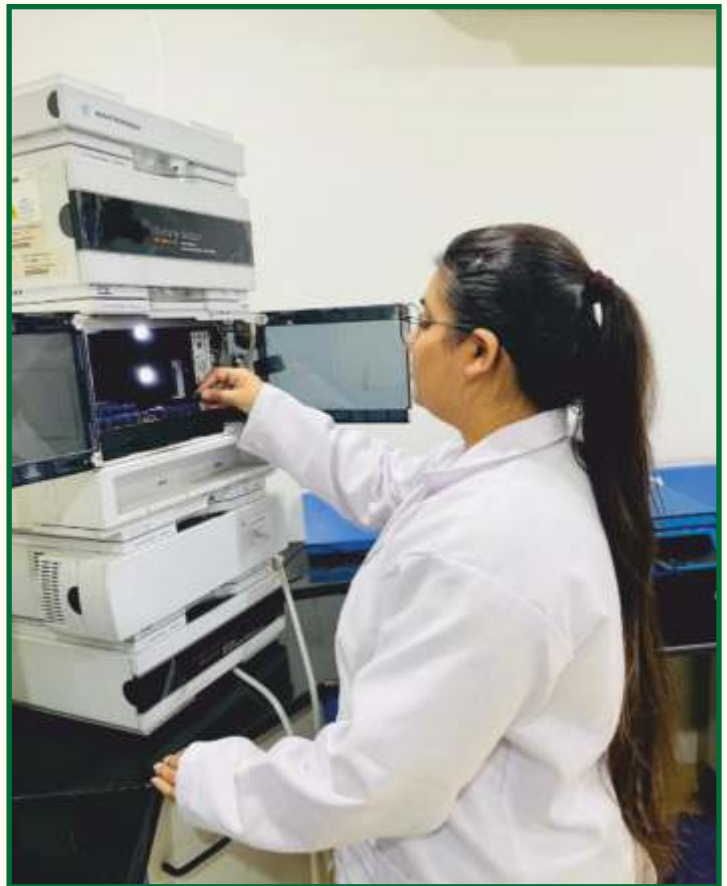
**Duration:** 12 months (April 2024 - March 2025)

**Objective:** Ensuring the safety of plant materials

through analysis of API quality parameters.

ARF has worked extensively to define quality criteria for herbal raw materials, ensuring high-quality materials reach its stakeholders. Total 15 samples of herbs such as – Tulsi, Ashwagandha, Kaunch seeds, Makoi seeds, Isabgul seeds, Datura seeds, etc. were analyzed and for active ingredients using HPLC.

**Result:** 60% of the samples met the standard quality specifications, while 40% failed to comply with parameters such as moisture content, and



acid-insoluble ash.

Analysis of active ingredients in herb samples using HPLC

## 4. Project Title: Analysis of Raw Material/Feed on Quality Parameters for Cattle and Poultry Feed.

**Duration:** 12 months (April 2024 - March 2025)

**Objective:** To evaluate the quality standards of different raw materials and feed used in the preparation of finished cattle and poultry feed

formulations.

High-quality animal feed is essential for maintaining livestock health and enhancing production. 100 samples such as organic feed, Soya, Poultry farm feed, Wheat, Maize, Bajra, DORB, DDGS, Molasses etc. were tested using Indian Standard Method.

**Result:** 65% samples were found to comply BIS specifications while 35% of these samples were



found not to comply with parameter crude protein, fibre content and acid insoluble ash.

Analysis of raw material for cattle and poultry feed

### **5. Project Title: Analysis of Soil and Water Samples.**

**Duration: 12 months (April 2024 - March 2025)**

**Objective:** To examine the health parameters of soil and water and maintain their optimal fertility levels. Total 87 soil samples and 05 water samples were analysed using STFR Machine and Water Testing Kits, respectively.

Farmers were encouraged to analyze their soil samples for 12 distinct macro and micro-nutrient parameters prior to sowing.



**Result:** Soil samples were mainly found to be deficient in organic carbon & nitrogen and high salinity. Total Dissolved Solids (TDS) & hardness were high in water samples received.

Analysis of soil samples using STFR Machine

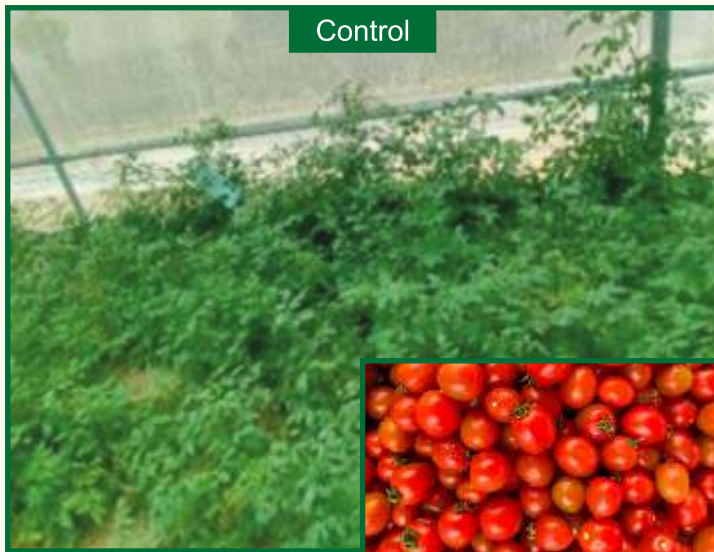
### **6. Project Title: Evaluation and Development of Indigenous Cow-excreta Based Bio-rationales for Enhanced Plant and Soil Health**

**Duration: 3 years (Jan 2022 - Jan 2025) DBT Funded.**

- I. Preparation of bio-compost using Cow excreta of indigenous cows.
- Microbial consortium analysis and field application
- ii. Enrichment of the prepared bio-compost using known microbes.
- iii. Impact analysis of the bio-compost on to the soil health and pathogen

Funding Agency: DBT

Bacteria, protozoa, and fungi are the most common microbes found in the reticulorumen, with bacteria and protozoa being the most abundant. It improves soil mineral status, plant growth, and promotes other beneficial activities such as sulphur oxidation and phosphorous solubilization. The study aims to develop indigenous cow-based excreta biorational for enhanced soil and plant health.



**Results:** Dung from indigenous Sahiwal and Haryana cows contained diverse bacteria essential for nutrient cycling, unlike Holstein Friesian (HF) cows. Haryana dung showed superior microbial activity, aiding zinc, phosphate, and potassium solubilization and nitrogen fixation, promising reduced chemical fertilizer dependence. Bio-composting boosted microbial populations, yet key

bacteria decreased over time, highlighting the need for periodic augmentation. Microbial consortia from indigenous dung improved plant growth, accelerating flowering and boosting yields, especially in tomato and capsicum. Soil nutrient levels, including phosphorus and potassium, significantly enhanced, with Haryana-based bio-compost offering superior results. Synergy between bio-compost and microbes enriched soil health will promote sustainable farming practices.

### Animal Health:

**1. Project Title: Upliftment of Reproductive and Health Status of Indigenous Cattle Female Calf in Sonipat District.**

**Duration: 3 Year (June 2021 - December 2024)**

**Funding Agency: NABARD**

**Location: 8 villages of Sonipat district**

**Objective:**

- i. To demonstrate the farmers about rearing of healthy, reproductively efficient and highly productive indigenous cattle.
- ii. To develop the farmers as dairy entrepreneur and improve the socio-economic status by skilling, training for calf raising in scientific manner.

Under the NABARD supported project, 25 beneficiaries were selected with 25 calves of indigenous breeds, among them 15 are Sahiwal, 7 Haryana and 2 Gir breed. The aim is to get female calf in the next generation by the use of sexed semen. Regular monitoring of average daily gain (ADG) by monthly body weight examination, formulation of Total Mixed Ration (TMR) based feed, vaccination, quarterly deworming and quarterly fecal test was conducted.

**Result:** Under this project, it was successfully demonstrated at the farmers' level in 8 villages of Gohana and Mundlana blocks of Sonipat Districts of Haryana that scientific feeding can lead to better calf/heifer growth rates, early puberty, timely and successful AI to reduce first calving period, and a

higher female calf population (using sexed semen). The Calf Bank Project highlights the significant advantages of scientific feeding and breeding strategies.

i. The age and weight range at first artificial insemination (AI) varied among breeds and were achieved at an early age. Approximately 52% of calves were parturied after the first AI, and 12% after the second AI. The success rate of the first AI is crucial for reducing the first calving period. The first calving period was significantly reduced for:

- Sahiwal breed: saving 3 to 9 months.
- Haryana breed: saving 9 to 21 months.
- Gir breed: saving 5 to 9 months.

ii. Out of 25 selected calves, 24 cows (96%)



AI activity under the calf bank project successfully parturied, indicating a high success rate of calving. Only one cow (4%) was non-pregnant.

- iii. Among the 24 parturied cows, 21 female calves (87%) and 3 male calves (13%) were born.
- iv. AWG for Sahiwal, Haryana, and Gir cows was higher than the conventional reported AWG of 300 g/day.
- v. 96% of newly born calves were healthy (1 calf mortality, i.e., 4%) and showed progressive body weight gain, observed up to 18 months during the project duration.

vi. The beneficiaries got extra milk production after scientific feeding and one additional and early lactation. A higher female calf population also



Newborn female calf using sexed sorted semen

### Publications:

1. Climate Change and Its Impact on Agriculture: Challenges and Adaptation Strategies. Sharma K., Pathak P., (2024), Octa Journal of Environmental Research, 12(03): 016-025.
2. Biomass Derived Biochar for Environmental Remediation, In Handbook of Biomass Derived Materials for Environmental Remediation. Sharma, C., Saxena J., Pathak P., Kumar S. (2024) Edited by: Sabu Thomas, Cintil Jose Chirayil, Rini Thresia Varghese, Springer, Singapore: Springer Nature Singapore, pp. 91-122. ISBN: 978-981-97-4299-8. [https://doi.org/10.1007/978-981-97-4300-1\\_6](https://doi.org/10.1007/978-981-97-4300-1_6).
3. The Potential of Bacterial Nanocellulose-based Hydrogels and Their Nanocomposites as Coating Materials in Regenerative Biomedicine, In book: Medical Applications for Biocompatible Surfaces and Coatings. Sharma C., Potdar, P., Kumar, S., Gautam, S., Pathak, P. (2024) Edited by: Shrikaant Kulkarni; A K Haghi; Banacha Yingngam; Matthew Chidozie Ogwu., Royal Society of Chemistry, 2024, pp 119–160.

ISBN: 978-1-83767-434-3.

<https://doi.org/10.1039/9781837675555-00119>.

4. Sharma, C., Raza, M. A., Purohit, S. D., Pathak, P., Gautam, S., Corridon, P. R., & Han, S. S. (2025) Cellulose-based 3D printing bio-inks for biomedical applications: A review, *International Journal of Biological Macromolecules*, 141174, <https://doi.org/10.1016/j.ijbiomac.2025.141174>.
5. Sapna, Sharma C., Pathak P., Kumar A., Gautam S., (2025) Chitosan Edible Coatings Loaded with Bioactive Components for Fruits and Vegetables: A Step Toward Sustainable Development Goals, *Food and Bioprocess Technology*, <https://doi.org/10.1007/s11947-025-03770-4>.
6. Yadav S. P., Sharma C., Pathak P., Kanaujia A., Saxena M. J., Kalra A. (2024) Management of Phyto-Parasitic Nematodes Using Bacteria and Fungi and their Consortia as Biocontrol Agents *Environmental Science: Advances*, the Royal Society of Chemistry (RSC), <https://doi.org/10.1039/D4VA00216D>.
7. Sharma C., Pathak P., Kumar A., Gautam S., (2024) Sustainable Regenerative Agriculture Allied with Digital Agri-Technologies and Future Perspectives for Transforming Indian Agriculture Environment, Development and Sustainability, <https://doi.org/10.1007/s10668-024-05231-y>.
8. Sapna, Pathak P., Sharma C., Yadav S P. (2024) All-Natural Edible Coatings to Prevent Post-Harvest Losses of Vegetables and Fruits for Sustainable Agriculture Progress in Organic Coatings. 193, 108537 <https://doi.org/10.1016/j.porgcoat.2024.108537>.
9. Das A, Kaur P, Kaletha S, Pathak P., Kanaujia A, Kalra A., Saxena M. J. (2024) Role of hydroponics in paddy nursery for water conservation to promote food security and environmental sustainability *South Asian Journal of Agricultural Sciences*, 4(1): 207-210.
10. Sapna, Sharma, C., Pathak, P., Saxena, J., Gautam, S. (2025), Revolutionizing Post-Harvest Packaging: Energy-Efficient Approach for Fresh
11. Produce Preservation in Book Energy Efficient Technologies for Food Safety, Quality, and Security, Edited by: A.A. Hamad; P. Singh; D. Saxena; A.K. Haghi. DOI: 10.4018/979-8-3693-8342-1, IGI Global Publishing (Accepted)
12. Pathak P., Sharma C., Gautam S., Yadav S.P., Das A. Valorization of Rice Straw for Ethanol Production and Lignin Recovery Through Acidic and Alkaline Pre-treatments. Edited by Dr. Suresh Sundaramurthy et al., *Black liquor waste management in the pulp and paper industry*, Springer (Accepted).
13. Living Planet Report 2024. [https://wwflpr.awsassets.panda.org/downloads/2024-living-planet-report-a-system-in-peril\\_1.pdf](https://wwflpr.awsassets.panda.org/downloads/2024-living-planet-report-a-system-in-peril_1.pdf)

## Training/Visit:



Puneet Pathak, Shashi Prabha Yadav; 2 Days training on "Indoor cultivation of Saffron" (June 29-30, 2024).

## Webinars:



Role of Quality Herbs for Managing Cancer.



Puneet Pathak, Shashi Prabha Yadav; 1 day training on Mushroom Cultivation at MHU Regional Mushroom Research Centre, Murthal (05.07.2024).



Drone in Agriculture.



Dr. Pramod Kumar (Dist. Hort. Officer, Sonipat) visited ARF on 23.10.2024.



World Milk Day & World Environment Day.

## Media Coverage:

### किसानों की समृद्धि में सारथी बनेंगे कृषि वैज्ञानिक

**जिलाधिकारी की अध्यक्षता में आत्मा योजना की गवर्निंग बोर्ड की बैठक**



जिलाधिकारी आत्मा की गवर्निंग बोर्ड की बैठक लेते हुए।

दिये कि किसानों को सम्मत्याओं, समुचित विमानों के लिए एम्प्लोयमेंट लिंकर, उनमें संयोजकों की उपस्थिति सहित साक्षात्कार प्रदान तकनीकी परामर्श प्रदान करके

● जनशक्ती संवर्धन, बागमती जिलाधिकारी ने कहा कि किसानों और कृषि वैज्ञानिकों के बीच जुड़ाव को बढ़ावा देते हुए खेती में आधुनिक तकनीकों को अपनाने के लिए किसानों को प्रोत्साहित किया जायेगा।

संस्कार को सम्मोचन प्रथमार्थ में आत्मा

Governing Board meeting of ATMA Scheme held under the chairmanship of District Magistrate.

### किसान सीखेंगे कृषि से जुड़ी आधुनिक तकनीक



सरभना: मंगलवार को राष्ट्रीय कृषि एवं ग्रामीण विकास बैंक नाबार्ड के तत्वावधान में नीर आदर्श एफपीओ से जुड़े किसानों का 25 सदस्यीय प्रतिनिधिमंडल तीन दिवसीय प्रशिक्षण प्राप्त करने के लिए रवाना हुआ। नाबार्ड की वित्तीय सहायता एवं आयुर्वेद रिसर्च फाउंडेशन के सहयोग से किसानों का यह प्रतिनिधिमंडल आठकर शमता निर्माण के लिए प्रशिक्षण प्राप्त करेगा। आयुर्वेद रिसर्च फाउंडेशन के अधिकारी कुष्णा गोपाल ने बताया कि प्रगतिशील किसानों का दल गोविंद वल्लभ पंत विश्वविद्यालय, उत्तराखंड, कृषि विज्ञान केंद्र, काशीपुर, गन्ना अनुसंधान केंद्र, काशीपुर, में एकिकृत कृषि, गन्ना, गेहूँ, सब्जी, मूंगी पालन, फसुपालन, मत्स्यपालन आदि में अपनाए के लिए आधुनिक प्रणाली एवं तकनीक का प्रशिक्षण प्राप्त करेगा। प्रतिनिधिमंडल में आयुर्वेद रिसर्च फाउंडेशन से कुष्णा गोपाल, धर्मद कुमार एवं किसानों में विनय सेनी, पंकज कुमार, कहर सिंह, रवि दत्त एवं अन्य किसान भी उपस्थित रहे।

Farmers to learn modern agriculture techniques through training program organized by NABARD.

### 25 किसानों का प्रतिनिधिमंडल तीन दिवसीय क्षमता निर्माण कार्यक्रम (कैट) के लिए पहुंचा गोविंद वल्लभ पंत विश्वविद्यालय, उत्तराखंड



बैरठ। राष्ट्रीय कृषि एवं ग्रामीण विकास बैंक (नाबार्ड) के तत्वावधान में नीर आदर्श एफ. पी. ओ. से जुड़े किसानों का 25 सदस्यीय प्रतिनिधिमंडल तीन दिवसीय प्रशिक्षण प्राप्त करने के लिए रवाना हुआ। नाबार्ड की वित्तीय सहायता एवं आयुर्वेद रिसर्च फाउंडेशन के सहयोग से किसानों का यह प्रतिनिधिमंडल आठकर शमता निर्माण हेतु प्रशिक्षण प्राप्त करेगा। आयुर्वेद रिसर्च फाउंडेशन के अधिकारी कुष्णा गोपाल ने बताया कि प्रगतिशील किसानों का दल गोविंद वल्लभ पंत विश्वविद्यालय, उत्तराखंड, कृषि विज्ञान केंद्र, काशीपुर, गन्ना अनुसंधान केंद्र, काशीपुर, में एकिकृत कृषि, गन्ना, गेहूँ, सब्जी, मूंगी पालन, फसुपालन, मत्स्यपालन आदि में अपनाए के लिए आधुनिक प्रणाली एवं तकनीक का प्रशिक्षण प्राप्त करेगा। प्रतिनिधिमंडल में आयुर्वेद रिसर्च फाउंडेशन से कुष्णा गोपाल, धर्मद कुमार एवं किसानों में विनय सेनी, पंकज कुमार, कहर सिंह, रवि दत्त एवं अन्य किसान भी उपस्थित रहे।

कशीपुर, में एकिकृत कृषि, गन्ना, गेहूँ, सब्जी, मूंगी पालन, फसुपालन, मत्स्यपालन आदि में अपनाए के लिए आधुनिक प्रणाली एवं तकनीक का प्रशिक्षण प्राप्त करेगा। प्रतिनिधिमंडल में आयुर्वेद रिसर्च फाउंडेशन से कुष्णा गोपाल, धर्मद कुमार एवं किसानों में विनय सेनी, पंकज कुमार, कहर सिंह, रवि दत्त एवं अन्य किसान भी उपस्थित रहे।

प्रतिनिधिमंडल में आयुर्वेद रिसर्च फाउंडेशन से कुष्णा गोपाल, धर्मद कुमार एवं किसानों में विनय सेनी, पंकज कुमार, कहर सिंह, रवि दत्त एवं अन्य किसान भी उपस्थित रहे।

A group of 25 farmers from FPOs attended a three-day Capacity Building Program (CAT) at Govind Ballabh Pant University, Uttarakhand.

### नाबार्ड के उप महाप्रबंधक ने जिले में संचालित विभिन्न विकास परियोजनाओं का किया निरीक्षण

बागमती (एम.एन.एम.)। शुक्रवार को राष्ट्रीय कृषि एवं ग्रामीण विकास बैंक (नाबार्ड) के उप महाप्रबंधक अजितेश श्रीवास्तव ने जिले में विभिन्न विकास परियोजनाओं का निरीक्षण किया और प्रगति की समीक्षा की। नाबार्ड के सहयोग से आयुर्वेद रिसर्च फाउंडेशन द्वारा जिले में आजीविका एवं उद्यम विकास कार्यक्रम, कृषि उत्पादक संगठन (एफपीओ), औषधीय पौधों से फसल विविधिकरण आदि परियोजनाएँ संचालित हैं जिसमें जिले के कृषक प्रभावित ले रहे हैं। उप महाप्रबंधक ने जिले में चल रहे सभी प्रोजेक्ट का निरीक्षण किया और अलावलपुर में औषधीय पौधों के खेतों का भ्रमण भी किया। किसानों को औषधीय पौधों की खेती कर जल संरक्षण करने के लिए प्रोत्साहित भी किया। वहाँ टोकोदी में अंतराल डेपरी एफपीओ पर स्वयं सहायता समूह की महिलाओं को आजीविका एवं उद्यम विकास कार्यक्रम के अंतर्गत संगीत, कुसुम ब्रीडिंग, पौध, प्रबोध, बाबरी, विटिल, रातुल, अरबिंद को प्रशिक्षण के प्रमाणपत्र विनियत किए और तीन दिवसीय प्रशिक्षण कार्यक्रम का शुभारंभ किया जिसमें डेपरी क्षेत्र के संबंध में स्वयं सहायता समूह की महिलाओं को प्रशिक्षण मिलेगा। मौके पर आयुर्वेद से मुख्य वैज्ञानिक डॉ. पूनीत पाठक, प्रोजेक्ट हेड कुष्णा गोपाल, समन्वय अधिकारी धर्मद कुमार आदि उपस्थित रहे।



NABARD organized a financial literacy program to empower women farmers with training on investment and savings.

### पंत विवि में बासमती धान पर दी मेरठ के किसानों को जानकारी

संवाद सुद, पंतनगर : देश में हरित क्रांति लाने वाले जीवो धान कृषि एवं प्रौद्योगिकी विवि में किसानों को खेतीबाड़ी की शिक्षा देने आते हैं। यहां किसानों को फसलों की गुणवत्ता के साथ उगाए के लिए तरीके बताए जाते हैं। अलग-अलग फसलों की कार्यशाला में संबंधित कृषि विज्ञानी जानकारी देते हैं।

संयोजकों की प्रसार विदेशक अक्षयशर्मा ने मेरठ के किसानों के लिए बासमती धान की खेती पर तीन दिवसीय कार्यशाला का शुभारंभ हुआ। कार्यशाला में धान की नर्सरी, रोपाई, सिंचाई, रिसाई, खाद डालने, बीमारी से बचाव आदि की जानकारी दी जाएगी।

विधि के प्रसार विदेशक डा. जितेंद्र क्वारा ने मंगलवार को मेरठ के 25 किसानों की विस्तृत जानकारी दी। किसानों को बताया कि गुणवत्तापूर्ण उत्पादन कर उसके विपरीत अधिक आय अर्जित की जा सकती है। उन्होंने कहा कि किसानों की आय बढ़ाने के लिए केंद्र सरकार भी प्रयत्नशील है। इसी क्रम में देश में 10 हजार कृषक उत्पादक संगठन बनाए गए हैं। प्रत्येक संगठन में कम से कम तीन से सदस्य होना जरूरी है। ये संगठन अपने जल के नाम पर उत्पाद को बेचते हैं। अक्षय सिंह नगर में गढ़पुर और काशीपुर में कृषक उत्पादक संगठन हैं, जो क्रमशः बासमती व बासमती पर काम करते हैं।

Farmers from Meerut received training on Basmati rice at Pant University.

### मेरिनो पोटैटो सीड्स कम्पनी-हापुड़ द्वारा किसान भाइयों व पशुपालकों की चौपाल

संवाददाता धवन कमल

अलीगढ़ पोटैटो सीड प्रोड्यूसर कंपनी लिमिटेड के तत्वावधान में सहयोगी संस्था एजीलिय रिसर्च फाउंडेशन के द्वारा बड़ा घाघ-आनसपुर पर किसान भाइयों व पशुपालकों की चौपाल का शुभारंभ श्री रवि अग्रवाल अध्यक्ष-मेरिनो पोटैटो सीड्स कंपनी-हापुड़ व देवदत्त मिश्र समन्वयक एजीलिय रिसर्च फाउंडेशन अलीगढ़ के कर कमलों द्वारा भी सरकारी के समक्ष दौष प्रस्तुत कर किया गया इस शुभ अवसर पर मेरिनो कम्पनी के

देवदत्त किस तरह की जाये विस्तार से बताया गया व किस बीमारी से कौन से दवा बरकरार है इस पर प्रकाश डाला गया। इस अवसर इंदोपामा कम्पनी से पशु श्री अनुप कुमार द्वारा किसानों को प्रशिक्षण प्रदान कर वैश्विक खाद का उपयोग कर व फसल की अधिक पैदावार लेने हेतु हमें विद्या साधकनी बतानी है विस्तृत चर्चा की गयी। तथा का बकाल संरक्षण की मनोहर कुमार सरभना उग्र अजीवण्ड



Merino Potato Seeds Company-Hapur organized a Chaupal for farmers and livestock rearers.

## Livelihood and Entrepreneurship Development Program on milk-based processing (LEDP Maharajganj)



Inaugural program on milk-based processing

**Duration:** 2 years (Feb 2024 - Aug 2025)

**Agency:** NABARD

**Location:** Maharajganj

**Project Cost:** ₹ 8.04L

**No. of Beneficiaries:** 120

The program was inaugurated on February 2024 by DDM NABARD, District Development officer, Veterinary officer and also LDM Maharajganj, village of Maharajganj district, UP. In his inaugural speech Veterinary officer motivate the Self-Help Group (SHG) women to start their business by unitedly forming organization and increase their livelihood. In this project 120 women were given training for 10 days on milk processing by various trainers.

### Outcome:

Implementing a project with Self-Help Group (SHG) women focused on dairy by-products and vermicomposting can have a significant multi-dimensional impact.

SHG women can process milk into products like ghee, curd, paneer, butter, flavoured milk, and cheese, which often have higher profit margins.

Adds value to raw milk, helping women earn more from the same quantity.

Reduces wastage of surplus milk during low-

demand periods.

Converts dairy waste (like cow dung) and kitchen/agri waste into **high-quality organic fertilizer**.



Interaction with members of FPO

Can be sold locally to farmers or used for SHG's own organic farming, reducing input costs.

Opens new revenue streams from waste.

### MLF Project Maharajganj:

**Project Duration** – Two years

**Total Project Outlay** – 37 L

**Total Number of Beneficiaries** – 20

**Location** – Nichloul, Maharajganj U.P.

The project targets to 20 vegetables growing farmers, in Nichloul block, Maharajganj district of Uttar Pradesh. The initiative aims to elevate their livelihoods by augmenting their current agricultural methods. Given the opportunity to adopt this technology, and market accessibility, the project is structured to amplify farm productivity through a high value multilayer vegetables farming (MLF). Monitoring visit are scheduled on monthly basis, along with DDM NABARD and ARF team.

Now the project is about to complete 1 year, the farmers have adopted this project very well. After completion of proper crop cultivation of 1 season, the farmers have also planted the crops of the 2nd crop season in the field.

**Impact: Vegetable multilayer farming** is a highly efficient and income-boosting practice, especially suitable for small and marginal farmers.

By growing crops with different harvesting times (e.g., spinach in 20 days, tomatoes in 60 days), farmers get **regular income throughout the year**.

If one crop fails (due to pests or weather), the others can still provide returns.

A farmer earning ₹30,000–₹40,000 per acre annually from monoculture.

Earn **₹80,000 to ₹1,50,000 lakhs per acre/year** with multilayer vegetable farming.

#### **TDF Project:**

**Project Duration – 5 years**

**Total Project Outlay – 1.74 Cr**

**Total Number of Beneficiaries – 225**

**Location – Nautanwa, Maharajganj U.P**

The project targets to aid 225 economically disadvantaged tribal farmers, including landless families, residing in Maharajganj district of Uttar Pradesh. These families are struggling below the

poverty line and lack adequate resources for sustenance. The initiative aims to elevate their livelihoods by augmenting their current agricultural methods. Given the prevailing hurdles in agri-horticulture, animal husbandry, and market accessibility, the project is structured to amplify farm productivity through a dual focus on high-value agriculture and integrated livestock rearing (ILR).



Demonstration of Vegetable multilayer farming



Visit of NABARD officials

#### **Work Activity Progress:**

1. Baseline survey
2. Selection of beneficiary
3. Selection of beneficiary's field
4. Formation of VPC and PTDC
5. Awareness meeting
6. Field fencing & barbed wire
7. Nursery raising and Water resource development
8. Horticultural plantation completed

**Name of village:** Vishunpura, Traini, Sekhuwani, Chakrar, Piprahiyan, Devghatti



Awareness meeting about plantation



Awareness meeting for SHGs women

Research Foundation as POPI (Producer Organization Promoting Institution) has been promoting 5 FPOs on organic farming, milk processing, vegetables, mustard oil in district Sonipat and Panipat, and all 5 FPO located in this block – Brijmanganj, Sadar, Paniyara, Partawal, Siswa, district Maharajganj Uttar Pradesh. Our all FPO registered on May 2023 and this project duration are 5 year and according to need this project are exceeded.

**Impact:** Farmer Producer Organizations have a transformative impact on agricultural systems, empowering farmers, improving livelihoods, and contributing to sustainable rural development. Right now, each FPO started the inputs shop and also, they work on their core business as per business plan. Our all FPO registered on May 2023 and this project duration are 5 year and according to need this project are exceed.

**Impact:** The **Tribal Development Fund (TDF)** project, initiated by NABARD (National Bank for Agriculture and Rural Development) in India, aims to support sustainable livelihoods for tribal communities by focusing on **orchard-based farming systems** and other holistic rural development models.

**Income Enhancement:** Farmers participating in TDF projects typically see a **3–5 times increase in annual income** through cultivation of mango, Guava, Papaya, and other orchards and vegetables crop.

**Asset Creation:** Development of orchards and associated infrastructure (irrigation, fencing, roads) creates long-term productive assets.

**Employment Generation:** Seasonal and permanent employment is generated, particularly in nursery management, orchard maintenance, and agri-processing.

**All 5 - CSS-FPO Maharajganj:**

**Title:** Formation and promotion of farmer producer organizations

**Duration:** 5 Years

**Agency:** NAFED

**Area Covered:** 50 village of Maharajganj district (5FPO)

Under NAFED sponsored scheme, Agriliv



Siswa FPO Review Meeting



Brijmanganj FPO Review Meeting

Agricoin Fed Farmers Producer Company Limited	
Address of Reg. Office of FPO	Partwal Chowk, Kaptanganj Road, Partwal, Maharajganj - 273301, Uttar Pradesh
Email ID	<a href="mailto:agricoin.fpo2023@gmail.com">agricoin.fpo2023@gmail.com</a>
Name of contact person of FPO	Parmod kumar Patel
Contact no. of contact person of FPO	9935823451
Registrartion No./CIN of FPO	U01611UP2023PTC183221
Date of Registration	03-06-2023
Total membership ( no.)	312
Share capital of FPO ( )	2,50,000
Nature of Business	Medicinal plant and vegetables
No. of BOD Members	5
Rating/Grading	B
Value addition Initiatives	1. Own inputs shop 2. Jaggry cubes manufacturing
E-NAM	Registered
Input License	Fertilizer, Insecticides, Pesticides, Seeds
Compliances under MCA	Yes
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2023-24	2,45,000
Products	Medicinal Plant/Vegetables/Fertilizers/seeds



Interaction with members of FPO



Brijmanganj FPO Review Meeting

Paniyara Fed Vegetables Farmer Producer Company Limited	
Address of Reg. Office of FPO	Beltikara, Rajaurakurd, Paniyara, Maharajganj - 273158, Uttar, Pradesh
Email ID	<a href="mailto:paniyara.vegfpo@gmail.com">paniyara.vegfpo@gmail.com</a>
Name of contact person of FPO	Deepchandra Gupta
Contact no. of contact person of FPO	9628196491
Registrartion No./CIN of FPO	U01611UP2023PTC181440
Date of Registration	04-05-2022
Total membership ( no.)	310
Share capital of FPO ( )	2,50,000
Nature of Business	Vegetables
No. of BOD Members	5
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Registered
Input License	Fertilizer, Insecticide, Pesticide, Seeds
Compliances under MCA	Yes
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2023-24	5,50,000
Products	Fresh vegetables / Fertilizers/Seeds



Visit of officials at FPO



Mobilisation of farmers of FPO

Sohagibarwa Vegetables Fed Farmer Producer Company Ltd.	
Address of Reg. Office of FPO	NH-730, Police chowki, Pakara Chauraha, Maharajganj
Email ID	<a href="mailto:svegetables.fpo186@gmail.com">svegetables.fpo186@gmail.com</a>
Name of contact person of FPO	Govind Yadav
Contact no. of contact person of FPO	8881643567
Registrartion No./CIN of FPO	U01611UP2023PTC186328
Date of Registration	26-07-2023
Total membership ( no.)	310
Share capital of FPO ( )	4,00,000
Nature of Business	Vegetable production and Bulk marketing
No. of BOD Members	5
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Registered
Input License	Fertilizers, Insecticides, Pesticides, Seeds
Compliances under MCA	Yes
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2023-24	12,10,510
Products	Fresh vegetables / Fertilizers/Seeds



Marketing of products



Marketing of products

Siswa Maharajganj Banana & Vegetables Fed Farmer Producer Company Ltd.	
Address of Reg. Office of FPO	House n. 2 Near Police Chowki, Bandi dhala, Munderi, Siswa, Maharajganj - 273151
Email ID	<a href="mailto:siswamri.bnanafpo1278@gmail.com">siswamri.bnanafpo1278@gmail.com</a>
Name of contact person of FPO	Virendra Pal
Contact no. of contact person of FPO	9454383651
Registration No./CIN of FPO	U01611UP2023PTC181278
Date of Registration	01-05-2023
Total membership ( no.)	309
Share capital of FPO ( )	3,02,000
Nature of Business	Vegetables & Banana
No. of BOD Members	5
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Registered
Input License	Fertilizers, Insecticides, Pesticides, Seeds
Compliances under MCA	Yes
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2023-24	30,50,000
Products	Fresh vegetables / Fertilizers/Seeds



Demonstration of vegetable farming



Marketing of products

Adigauri Fed Farmer Producer Company Limited	
Address of Reg. Office of FPO	Mahuari Lalpur, Brijmanganj, Maharajganj - 273157
Email ID	<a href="mailto:adigaurifpo2023@gmail.com">adigaurifpo2023@gmail.com</a>
Name of contact person of FPO	Padmendra Singh
Contact no. of contact person of FPO	7236002675
Registration No./CIN of FPO	U01611UP2023PTC183357
Date of Registration	02-06-2023
Total membership ( no. )	310
Share capital of FPO ( )	2,50,000
Nature of Business	Cereals and Millets
No. of BOD Members	5
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Yes
Input License	Cereals and Millets
Compliances under MCA	Yes
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	15,00,000 -
Turn Over ( ) FY 2023 -24	15,60,000
Products	Millets / Fertilizers/Seeds



Interaction with members of FPO



Training programme for the farmers of FPO

Pilana Farmer Producer Company Limited	
Address of Reg. Office of FPO	C/o Saguwa Pilana Khas Baghatpat Uttar Pradesh 250615
Email ID	<a href="mailto:pilanafpo@gmail.com">pilanafpo@gmail.com</a>
Name of contact person of FPO	Mr. Vinod Tayagi, Mr. Bijendra Tayagi
Contact no. of contact person of FPO	97192260,90 ; 7500153370
Registration No./CIN of FPO	U01100UP2021PTC149596
Date of Registration	26-07-2021
Total membership ( no. )	520 (Male 467, Female 53)
Share capital of FPO ( )	6,65,000
Nature of Business	Drip irrigation Dealership (Finolex), Mustard oil processing, Sugarcane and vegetable, Pesticides & seed.
No. of BOD Members	5 ( 4Male & 1 Female)
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Registered
Input License	FSSAI, GST Resgistration, Pesticides & Seed License
Compliances under MCA	Completed
Custom Hiring Centre	Yes
CCDP	Sugarcane/Mustrad
Market committee License	Not required
CC limit	5,00,000
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2023 -24	30,00,000
Products	Mustard Oil, Seed, Pesticides, Jaggery, Drp irrigation dealership



Visit of officials at FPO



Mobilisation of farmers of FPO

Sohagibarwa Vegetables Fed Farmer Producer Company Ltd.	
Address of Reg. Office of FPO	NH-730, Police chowki, Pakara Chauraha, Maharajganj
Email ID	<a href="mailto:svegetables.fpo186@gmail.com">svegetables.fpo186@gmail.com</a>
Name of contact person of FPO	Govind Yadav
Contact no. of contact person of FPO	8881643567
Registrartion No./CIN of FPO	U01611UP2023PTC186328
Date of Registration	26-07-2023
Total membership ( no.)	310
Share capital of FPO ( )	4,00,000
Nature of Business	Vegetable production and Bulk marketing
No. of BOD Members	5
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Registered
Input License	Fertilizers, Insecticides, Pesticides, Seeds
Compliances under MCA	Yes
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2023-24	12,10,510
Products	Fresh vegetables / Fertilizers/Seeds



Marketing of products



Marketing of products

Siswa Maharajganj Banana & Vegetables Fed Farmer Producer Company Ltd.	
Address of Reg. Office of FPO	House n. 2 Near Police Chowki, Bandi dhala, Munderi, Siswa, Maharajganj - 273151
Email ID	<a href="mailto:siswamrj.bnanafpo1278@gmail.com">siswamrj.bnanafpo1278@gmail.com</a>
Name of contact person of FPO	Virendra Pal
Contact no. of contact person of FPO	9454383651
Registration No./CIN of FPO	U01611UP2023PTC181278
Date of Registration	01-05-2023
Total membership ( no.)	309
Share capital of FPO ( )	3,02,000
Nature of Business	Vegetables & Banana
No. of BOD Members	5
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Registered
Input License	Fertilizers, Insecticides, Pesticides, Seeds
Compliances under MCA	Yes
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2023-24	30,50,000
Products	Fresh vegetables / Fertilizers/Seeds



Demonstration of vegetable farming



Marketing of products

Dudhshakti Producer Company Limited	
Address of Reg. Office of FPO	Vill. Nayagaon Block Nakur, Distt. Saharanapur, Pincode- 247342, Uttar Pradesh.
Email ID	<a href="mailto:dudhshaktipl@gmail.com">dudhshaktipl@gmail.com</a>
Name of contact person of FPO	Mr. Satyapal Singh
Contact no. of contact person of FPO	7078790720
Registration No./CIN of FPO	U01100UP2021PTC151077
Date of Registration	25-08-2021
Total membership ( no.)	600
Share capital of FPO ( )	5,85,000.00
Nature of Business	Khoya & desi ghee, Tie up with Amul in Raw Milk (under Process)
No. of BOD Members	5
Rating/Grading	A
Value addition Initiatives	Own inputs shop
E-NAM	Registered
Input License	FSSAI, Fertilizer
Compliances under MCA	Completed
Business Development Grant (BDG) ( )	5,00,000
CC limit	30,00,000
Market committee License	Yes (Availed)
Term loan	8,60,000
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2024 -25	2,90,66,525.00
Products	Milk, Mustard Oil, Ghee, Khoya, and Paneer.



Visit of officials at FPO



Demonstration of vegetable farming

Antral Dairy Producer Company Limited	
Address of Reg. Office of FPO	2 Village Tyodhi, Baghpat, Uttar pradesh 250611
Email ID	<a href="mailto:antralfpo@gmail.com">antralfpo@gmail.com</a>
Name of contact person of FPO	Mr. Praveen Sharma
Contact no. of contact person of FPO	9557048111
Registration No./CIN of FPO	U01111UP2021PTC156928
Date of Registration	15-12-2021
Total membership ( no.)	310
Share capital of FPO ( )	7,56,000
Nature of Business	Processing of packaging of milk, Milk product such as curd , paneer,mawa, ghee, butter and sweets
No. of BOD Members	7 ( 3Male & 4Female)
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Registered
Input License	No
Compliances under MCA	Completed
Custom Hiring Centre	N/A
CCDP	Not required
Market committee License	No
CC limit	Under Process
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2023-24	30,00,000
Products	Milk dairy Products and sweet, ghee, mawa, etc



Visit of officials at FPO



Training programme for the farmers of FPO

Aligarh Potato Seed Company Limited	
Address of Reg. Office of FPO	Vill. Heerpur, Husainpur, Aligarh 202123
Email ID	<a href="mailto:aligarhpotatoseed2022@gmail.com">aligarhpotatoseed2022@gmail.com</a>
Name of contact person of FPO	Mr. Jitendra singh
Contact no. of contact person of FPO	86030372106
Registration No./CIN of FPO	U01100UP2022PTC175270
Date of Registration	19-12-2022
Total membership ( no.)	307
Share capital of FPO ( )	6,67,000
Nature of Business	Potato seed producer
No. of BOD Members	5 ( 4Male & 1 Female)
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Yes
Input License	Yes
Compliances under MCA	Completed
Custom Hiring Centre	will apply in 24-25
CCDP	Yes
Market committee License	No
CC limit	N/A
Authorized capital ( )	15,00,000
Turn Over ( ) FY 2023 -24	53,43,000
Products	Pesticide and Potato seed



Inaugural program of FPO



Interaction with members of FPO

Milkmg Producer Comapany Limited	
Address of Reg. Office of FPO	C/o Ghasitu Singh, Villi Bilaspur Post Dhundla, distt. - Saharanpur, Pincode 247341 Uttar Pradesh
Email ID	<a href="mailto:milkmugcpl@gmail.com">milkmugcpl@gmail.com</a>
Name of contact person of FPO	Mr. Nafe Singh
Contact no. of contact person of FPO	9627828226
Registration No./CIN of FPO	U01100UP2021PTC148701
Date of Registration	31-07-2021
Total membership ( no.)	601
Share capital of FPO ( )	6,60,000
Nature of Business	Khoya & desi ghee, Tie up with Amulin Raw Milk (under Process), Input supply (Cattle feed, khal, choker)
No. of BOD Members	5
Rating/Grading	A
Value addition Initiatives	Own inputs shop
E_NAM	Registered
Input License	FSSAI, Pesticides & Fertilizer
Compliances under MCA	Completed
Business Development Grant (BDG) ( )	5,00,000
UP FPO Shakti Portal (Registration)	Yes
Market committee License	Not required
CC limit	Applied for 20 Lakh
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2024-25	1,31,24,650.10
Products	Marketing of Mustard Oil, Ghee, Khoya and Paneer.



Interaction with members of FPO



Demonstration of vegetable farming

Gangiri Maize & Potato Processing Company Limited	
Address of Reg. Office of FPO	C/o Kapil Sharma, villlage Rehmapur Alampur Rani, C.D Aligarh, 202129
Email ID	gangirimazep5045@gmail.com
Name of contact person of FPO	Kapil Sharma
Contact no. of contact person of FPO	9675431200
Registration No./CIN of FPO	U01100UP2022PTC175045
Date of Registration	14-12-2022
Total membership ( no.)	320
Share capital of FPO ( )	7,06,000
Nature of Business	Maize and potato processing
No. of BOD Members	5 (1 female & 4 male)
Rating/Grading	B
Value addition Initiatives	Own inputs shop
E-NAM	Yes
Input License	Yes
Compliances under MCA	Completed
Custom Hiring Centre	N/A
CCDP	Maize & potato
Market committee License	No
CC limit	N/A
Authorized capital ( )	15,00,000
Turn Over ( ) FY 2023 -24	57,67,000
Products	Seed, pesticide and coming product mustard oil



Inaugural program of FPO



Interaction with members of FPO

Dairo Greens Milk Producer Company Limited	
Address of Reg. Office of FPO	Village Rindal, Gheer, Karnal
Email ID	<a href="mailto:dairogreens@gmail.com">dairogreens@gmail.com</a>
Name of contact person of FPO	Mr. Rohit Kumar
Contact no. of contact person of FPO	9466623123
Registration No./CIN of FPO	U01500HR2023PTC110402
Date of Registration	03-04-2023
Total membership ( no.)	501
Share capital of FPO ( )	5,01,000.00
Nature of Business	Dairy Farming
No. of BOD Members	5
Rating/Grading	New started
Value addition Initiatives	Own inputs shop
E-NAM	N/A
Input License	N/A
Compliances under MCA	Completed
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2024 -25	23,10,890
Products	Prospective item-Milk, ghee, paneer & khoya etc.



Interaction with members of FPO



Training programme for the farmers of FPO

Shiv Gorakh Farmers Producer Company Limited	
Address of Reg. Office of FPO	Vill. Uncha Samana, Gharaunda, Karnal
Email ID	<a href="mailto:Shivgorakh2029@gmail.com">Shivgorakh2029@gmail.com</a>
Name of contact person of FPO	Mr. Man Mohan
Contact no. of contact person of FPO	9991041234
Registration No./CIN of FPO	U01611HR2023PTC110617
Date of Registration	03-04-2023
Total membership ( no.)	500
Share capital of FPO ( )	5,00,000.00
Nature of Business	Dairy Farming
No. of BOD Members	5
Rating/Grading	New started
Value addition Initiatives	Own inputs shop
E-NAM	N/A
Input License	N/A
Compliances under MCA	Completed
Custom Hiring Centre	N/A
CCDP	N/A
Market committee License	N/A
CC limit	N/A
Authorized capital ( )	10,00,000
Turn Over ( ) FY 2024 -25	21,45,070
Products	Prospective item- Milk, ghee, Paneer & Khoya etc.



Visit of officials at FPO



Interaction with members of FPO



Demonstration of vegetable farming

# Initiatives : Enriching the Employee Experience & Engagement

**Christmas Celebration at ARF**



**Holi Celebration at ARF**



**Zumba Session**



**Dental Checkup**



**Diwali Celebration and Gift Distribution**



# Financials

AGRILIV RESEARCH FOUNDATION  
4TH FLOOR, SAGAR PLAZA, DIST.CENTRE, LAXMI NAGAR, DELHI -110092

## BALANCE SHEET AS AT 31ST MARCH, 2025

PARTICULARS	SCHEDULES	AS AT 31ST MARCH,2025 (Rs.)	AS AT 31ST MARCH,2024 (Rs.)
<b>SOURCES OF FUNDS</b>			
TRUST FUND		32,905,911	31,825,000
CORPUS FUND		55,000,000	55,000,000
GRANTS FROM GOVERNMENT	A	-	3,920,836
GRANT AGAINST FIXED ASSETS		4,126,678	4,126,678
LOAN & ADVANCES		5,234,123	-
ACCUMULATED DEPRECIATION	B	32,107,012	29,920,493
<b>TOTAL</b>		<b>129,373,724</b>	<b>124,793,007</b>
<b>APPLICATION OF FUNDS</b>			
GRANTS	A	2,803,009	-
FIXED ASSETS	B	47,628,935	47,606,590
FIXED ASSETS AGAINST GRANT	BA	4,126,678	4,126,678
INVESTMENTS	C	55,024,819	55,624,819
<b>OTHER ADVANCES:</b>	D		
A) SUNDRY DEBTORS		3,850	1,883,985
B) CASH & BANK BALANCES		3,256,220	6,574,083
C) LOANS & ADVANCES		1,937,618	2,037,102
		<u>5,197,689</u>	<u>10,495,170</u>
LESS: CURRENT LIABILITIES AND PROVISIONS	E	2,660,394	2,537,294
			6,270,492
INCOME & EXPENDITURE A/C		17,252,988	13,210,243
<b>TOTAL</b>		<b>129,373,724</b>	<b>124,793,007</b>

NOTES TO ACCOUNTS I & 2

FOR SANDY ASSOCIATES  
CHARTERED ACCOUNTANTS  
FRN - 007337N

SANDEEP GUPTA  
PROPRIETOR  
M. NO - 086069



FOR AND ON BEHALF OF THE BOARD

NAVYEN DINGRA  
CHIEF EXECUTIVE OFFICER

PRADIP BURMAN  
CHAIRMAN/TRUSTEE

PLACE: DELHI  
DATED: 02ND JULY, 2025

**AGRILIV RESEARCH FOUNDATION**  
4TH FLOOR, SAGAR PLAZA, DIST.CENTRE, LAXMI NAGAR, DELHI -110092

**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31ST MARCH, 2025**

PARTICULARS	SCHEDULE	FOR THE YEAR	
		2024-25 (Rs.)	2023-24 (Rs.)
<b><u>A) INCOME</u></b>	<b>F</b>		
DONATIONS		14,118,000	22,505,000
INTEREST INCOME		4,895,662	3,366,557
GOVERNMENT GRANT UTILIZED		9,758,247	9,405,784
SALES		1,405,221	2,995,350
TRAINING FEE/OTHER INCOME		2,003,026	3,550,552
<b>TOTAL INCOME</b>		<b>32,180,155</b>	<b>41,823,243</b>
<b><u>B) EXPENDITURE</u></b>			
PURCHASES	G	634,536	-
EMPLOYEE COST	H	19,068,381	15,759,357
OTHER EXPENSES	I	14,394,275	25,463,644
DEPRECIATION	B	2,125,708	2,472,717
<b>TOTAL EXPENDITURE</b>		<b>36,222,901</b>	<b>43,695,717</b>
DEFICIT FOR THE YEAR		(4,042,745)	(1,872,474)
DEFICIT BROUGHT FORWARD		(13,210,243)	(11,337,769)
BALANCE CARRIED OVER TO BALANCE SHEET		(17,252,988)	(13,210,243)

AS PER OUR REPORT OF EVEN DATED ATTACHED

FOR SANDY ASSOCIATES  
CHARTERED ACCOUNTANTS  
FRN - 007337N

*Sandeep Gupta*  
SANDEEP GUPTA  
PROPRIETOR  
M. NO - 086069













FOR AND ON BEHALF OF THE BOARD

*Navleen Dhillon*  
NAVEEN DHINGRA  
CHIEF EXECUTIVE OFFICER

*Pradip Burman*  
PRADIP BURMAN  
CHAIRMAN/TRUSTEE

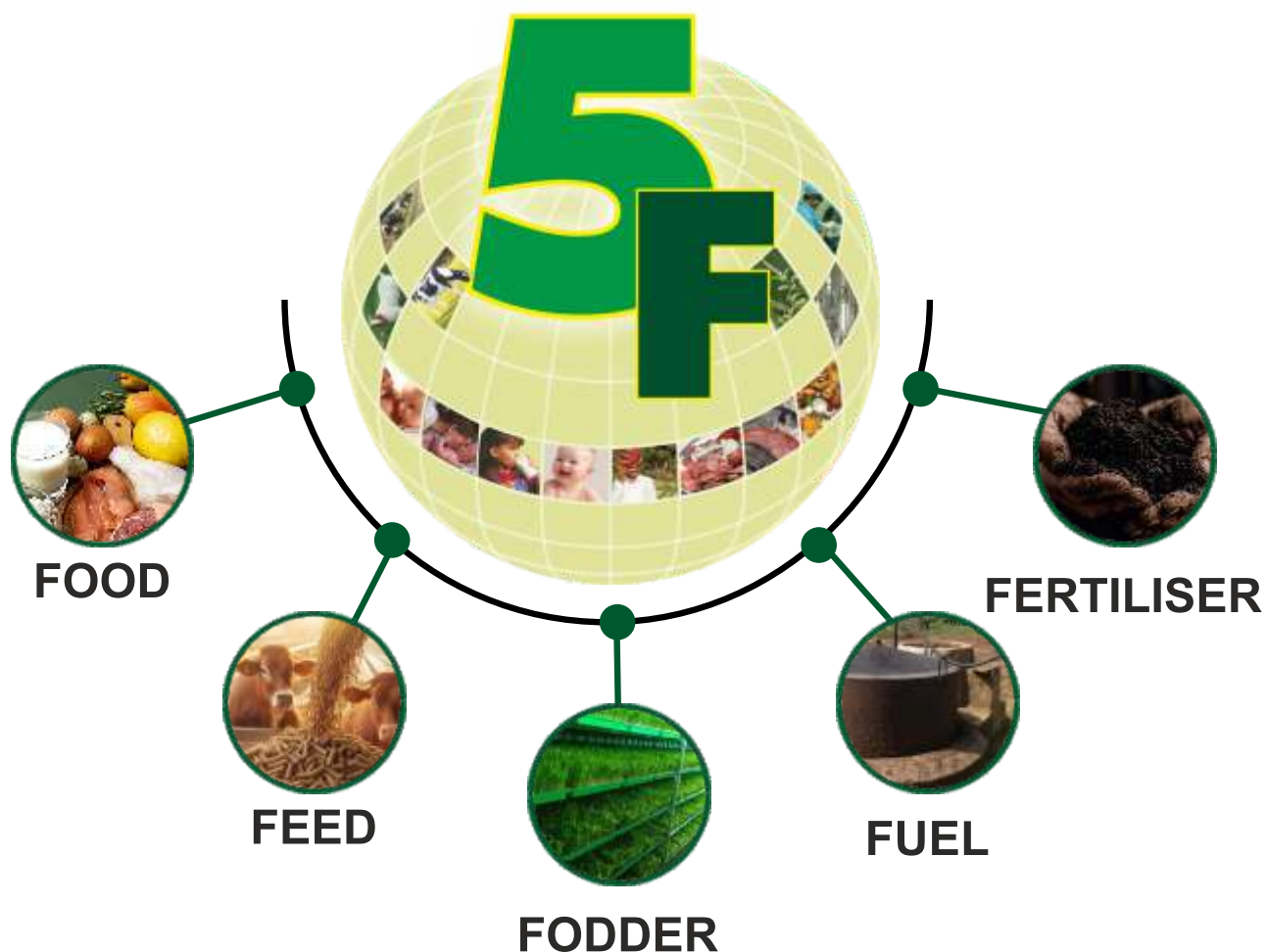
PLACE: DELHI  
DATED: 02ND JULY, 2025

# Our Esteemed Collaboration

	<b>NABARD -</b>	National Bank for Agriculture and Rural Development
	<b>NABCON -</b>	NABARD Consultancy Services Private Limited
	<b>NAFED -</b>	National Agricultural Cooperative Marketing Federation of India Ltd.
	<b>DUVASU -</b>	U.P. Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalya Evem Go Anusandhan Sansthan, Mathura, U.P.
	<b>MAFSU -</b>	Maharashtra Animal & Fishery Sciences University Nagpur, Maharashtra
	<b>GLA -</b>	Ganeshi Lal Aggarwal University, Mathura, U.P.
	<b>RAJUVAS -</b>	Rajasthan University of Veterinary and Animal Science Bikaner, Rajasthan
	<b>LUVAS -</b>	Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar, Haryana
	<b>NMPB -</b>	National Medicinal Plant Board
	<b>SVPUAT -</b>	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut

# SUSTAINABLE AGRI FOOD SYSTEM

The Interactions of agrifood systems with the environment, economy, nutrition, health and society are ultimately connected to the Sustainable Development Goals. Agriliv Research Foundation (ARF) is working to address the challenges of Agrifood system for achieving the SDGs.



**AGRILIV<sup>®</sup>**  
**RESEARCH**  
**FOUNDATION**

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