

**PUNJAB AGRICULTURAL MANAGEMENT & EXTENSION TRAINING INSTITUTE
(PAMETI), PAU Campus, Ludhiana**

**PROGRESS REPORT
(2023 – 24)**

Training Programmes Conducted

I. Under Main Scheme (A8):

S. No	Activities/ Workshop Organized	No. of Participants			No. of Mandays
		Male	Female	Total	
Training Programmes					
1.	Agri Start-ups in collaboration with MANAGE, Hyderabad (24-26 April, 2022)	54	09	63	189
2.	Extension strategies for linking Farmers with Market in collaboration with MANAGE, Hyderabad (16-19 May, 2023)	15	04	19	76
3.	Value Addition options in Horticulture Crops in collaboration with MANAGE, Hyderabad (6-9 June, 2023)	34	19	53	212
4.	Enhancing Performance of extension personnel for transfer of technology in collaboration with EEI, Nilokheri (4-7 July, 2023)	32	03	35	140
5.	Promotion of Central government sponsored schemes in Agriculture Sector (4 September, 2023)	64	19	83	83
6.	Agriculture Export Potential in collaboration with MANAGE, Hyderabad (3-6 October, 2023)	129	45	174	696
7.	Innovative Marketing Methods for Income Enhancement in collaboration with MANAGE, Hyderabad (12-14 February, 2024)	24	06	30	90
8.	Advances in ICTs in Agricultural Marketing System in collaboration with MANAGE, Hyderabad (11-13 March, 2024)	28	12	40	120
9.	Supply Chain Management in Agriculture in collaboration with MANAGE, Hyderabad (18-20 March, 2024)	40	11	51	153
TOTAL		418	127	545	1750

II. Under Rashtriya Krishi Vikas Yojana (RKVY) Project:

S. No	Activities/ Workshop Organized	No. of Participants			No. of Man days
		Male	Female	Total	
1.	Entrepreneurship in Fish Processing & Value addition in association with College of Fisheries, GADVASU (8-10 August, 2023)	17	4	21	63
2.	Food Preservation in association with Food Science & Tech., PAU (16-18 August, 2023)	0	24	24	72

3.	Organic Farming in association with School of Organic Farming, PAU (23-25 August, 2023)	21	8	29	87
4.	Milk Value-addition: Comprehensive Training for farm level Dairy Products in association with College of Dairy Science (18-20 September, 2023)	18	4	22	66
5.	Value-added Products of Millets in association with Dept. of Food & Nutrition, PAU (20-22 September, 2023)	3	24	27	81
6.	Kitchen Gardening (11-13 October, 2023)	14	8	22	66
7.	Bakery Products in association with Dept. of Food & Nutrition, PAU (16-18 October, 2023)	2	25	27	81
8.	Livelihood Options for Women (25-27 October, 2023)	0	28	28	84
9.	Mushroom Production (1-3 November, 2023)	12	8	20	60
10.	Livelihood Options for Women (6-8 November, 2023)	0	24	24	72
11.	Urban Agriculture (7-9 November, 2023)	14	5	19	57
12.	Entrepreneurship Options for Rural Women (20-22 November, 2023)	0	23	23	69
13.	Mushroom Cultivation and Processing (02-04 January, 2024)	8	10	18	54
14.	Bakery Products in association with Dept. of Food & Nutrition, PAU (03-05 January, 2024)	0	23	23	69
15.	Smart Home Gardening (08-10 January, 2024)	10	12	22	66
	TOTAL	119	230	349	1047

III. Skill Training for Rural Youth (STRY):

S. No	Activities/ Workshop Organized	No. of Participants			No. of Man days
		Male	Female	Total	
1.	Livelihood Options for Farm Women in collaboration with ATMA, Faridkot (31 July-05 August, 2023)	-	28	28	168
2.	Clean Milk Production in collaboration with Dairy Training Centre (DTC), Moga (18-23 September, 2023)	-	15	15	90
3.	Planting, Execution and Maintenance of Landscapes in collaboration with Chandigarh University (CU), SAS Nagar (9-14 October, 2023)	16	12	28	168
4.	Goat Rearing and Management in collaboration with ATMA, Bathinda (13-20 Oct, 2023)	28	-	28	168
5.	Planting, Execution and Maintenance of Landscapes in collaboration with CU, SAS Nagar (18-23 Oct, 2023)	17	11	28	168

6.	Integrated Dairy Development in collaboration with DTC, Amritsar (30 Oct - 4 Nov, 2023)	15	-	15	90
7.	Integrated Dairy Development in collaboration with DTC, Mansa (30 Oct-4 Nov, 2023)	11	4	15	90
8.	Integrated Dairy Development in collaboration with DTC, Moga (30 Oct-4 Nov, 2023)	6	9	15	90
9.	Fruit Processing in collaboration with ATMA, Fazilka (30 Oct-4 Nov, 2023)	-	28	28	168
10.	Integrated Dairy Development in collaboration with DTC, Ludhiana (30 Oct-4 Nov, 2023)	14	1	15	90
11.	Integrated Dairy Development in collaboration with DTC, Sangrur (30 Oct-4 Nov, 2023)	12	3	15	90
12.	Selection, Operation & Maintenance of Paddy Crop Residue Machinery in collaboration with ATMA Faridkot (30 October - 4 Nov, 2023)	28	-	28	168
13.	Selection, Operation & Maintenance of Paddy Crop Residue Machinery in collaboration with ATMA Faridkot (6-11 Nov, 2023)	28	-	28	168
14.	Goat Rearing and Management in collaboration with ATMA, Ferozepur (20-25 Nov, 2023)	28	-	28	168
15.	Urban Agriculture (12-17 Feb, 2024)	11	07	18	108
16.	Hortipreneurship (12-17 Feb, 2024)	06	9	15	90
17.	Goat rearing and management in collaboration with ATMA, Faridkot (12-17 Feb, 2024)	27	-	27	162
18.	Value addition in milk: comprehensive approach to enhance farmers income (19-24 Feb, 2024)	15	5	20	120
19.	Organic Farming in collaboration with FASC, Ferozepur (26 Feb - 2 March, 2024)	15	-	15	90
20.	Organic Farming in collaboration with FASC, Hoshiarpur (26 Feb - 2 March, 2024)	23	5	28	168
21.	Bee Keeping in collaboration with FASC, Amritsar (26 Feb - 2 March, 2024)	25	3	28	168
22.	Integrated Pest Management in collaboration with FASC, Ferozepur (26 Feb - 2 March, 2024)	28	-	28	168
23.	Soil Conservation in collaboration with FASC, Bathinda (23-28 Feb, 2024)	28	-	28	168

24.	Organic Farming in collaboration with FASC, Tarn Taran (28 Feb - 5 March, 2024)	18	10	28	168
25.	Integrated Pest Management in collaboration with FASC, Hoshiarpur (4-9 March, 2024)	27	1	28	168
26.	Integrated Farming System & Organic farming in collaboration with FASC, Rupnagar (4-9 March, 2024)	28	-	28	168
27.	Integrated Pest Management in collaboration with FASC, Bathinda (28 Feb - 5 March, 2024)	26	2	28	168
28.	IPM in vegetables in collaboration with FASC, Tarn Taran (7-13 March, 2024)	24	4	28	168
29.	Enhancing Livelihood opportunities for women in collaboration with ATMA, Ferozepur (11-17 March, 2024)	-	28	28	168
30.	Organic Farming (18-23 March, 2024)	08	09	17	102
31.	Bee Keeping in collaboration with ATMA, Bathinda (18-23 March, 2024)	20	04	24	144
32.	Bee Keeping in collaboration with ATMA, Faridkot (19-26 March, 2024)	15	-	15	90
	Total	547	198	745	4470

IV. Sponsored Training Programs:

S. No	Activities/ Workshop Organized	No. of Participants			No. of Man days
		Male	Female	Total	
1.	Refresher Training of Punjab State Rural Livelihood Mission (PSRLM) (19-25 April, 2023)	28	05	33	231
2.	Refresher Training of Punjab State Rural Livelihood Mission (PSRLM) (2-7 May, 2023)	04	36	40	240
3.	Crop Diversification Options in Punjab for Dist.- Amritsar Sponsored by Deptt. Of Agriculture and Farmers' Welfare (25-26 May, 2023)	13	06	19	38
4.	Backyard Poultry farming: Value Addition Sponsored by Department of Soil & Water Conservation under WDC of PMKSY 2.0 (18-20 October, 2023)	25	-	25	75
5.	Vermicomposting and Silage Making for SAS Nagar Sponsored by Department of Soil & Water Conservation under WDC of PMKSY 2.0 (4-5 March, 2024)	26	03	29	58
	TOTAL	96	50	146	642

Other Programs and Activities:

I. Diploma in Agricultural Extension Services for Input Dealers (DAESI)

The National Institute of Agriculture Extension Management (MANAGE), Hyderabad had designed a one-year diploma course titled 'Diploma in Agricultural Extension Services for Input Dealers (DAESI)', as per the directions of Ministry of Agriculture and Farmers Welfare, Government of India. The purpose of this diploma is to impart relevant and location-specific agricultural education to input dealers to transform them into para-extension professionals so as to enable them to address the day-to-day problems being faced by the farmers at field level.

In every state, SAMETIs are entrusted to start these diploma programmes in every district. In Punjab, PAMETI is conducting this programme since 2018 and so far conducted 22 batches both on campus and off-campus. The status of DAESI in Punjab during 2023-24 is as follows:

- PAMETI completed five (05) batches of DAESI during this year for session 2022-23: 2 batches at PAMETI; one at ATMA- Faridkot; and 2 batches at ATMA- Sri Muktsar Sahib
- PAMETI started five (05) batches of DAESI during this year for session 2023-24: 2 batches at PAMETI; and one batch each at KVK- Bathinda, ATMA- Ferozepur, and ATMA- Sri Muktsar Sahib
- Final examinations for nine (9) batches (PAMETI, ATMA- Faridkot, ATMA- Sri Muktsar Sahib, ATMA- Ferozepur, ATMA- Tarn-taran and KVK- Barnala) were conducted during this year
- Valedictory functions for seven (7) batches: at PAMETI (2 batches), ATMA- Faridkot, ATMA- Ferozepur, ATMA- Sri Muktsar Sahib, ATMA- Tarn-taran and KVK- Barnala were conducted

II. Consultancy Provided

- Providing consultancy to farmers for establishing agri. start-ups, preparation of value-added products, self-marketing, ICT related services, agronomic practices of various crops, insect-pest management, fertilizer application etc. through telephonically.

III. Other Activities

- Mr Ravneet Singh, Deputy Director (PHT) attended a webinar on "Value- Added Dairy Products: Opportunities and Challenges for Dairy Startups", organized by MANAGE (National Institute of Agricultural Extension Management), Hyderabad on 8th April, 2023.
- Annual meeting of PAMETI Governing Board was held under the chairmanship of the Principal Secretary, Agriculture and Farmers' Welfare, Punjab at Civil Secretariat-II, Chandigarh on 10th April, 2023.

- Dr. Rupinder Kaur, Deputy Director (HRM) and Mrs. Bharti Madan, Deputy Director (IT) attended meeting and presented PAMETIs project during 11th meeting of State Level Project Screening (SLPSC) under RKVY- cafeteria scheme under the chairmanship of worthy Principal Secretary, Agriculture & Farmers' Welfare, Punjab at Civil Secretariat-II, Chandigarh on 10th April, 2023.
- Dr Harmeet Kaur, Deputy Director (BM) and Mr Ravneet Singh attended meeting on "Diagnostic study on Strengthening KVKs and ATMA" at ATARI, Ludhiana on 8th May, 2023.
- Director PAMETI, Dr Balwinder Singh, Deputy Director (Agril. Extn.), and Mr Ravneet Singh attended meeting on "Strengthening of ATMA in Punjab" with Dr Sukhpal Singh, Chairman, The Punjab State Farmers Commission & his team at PAMETI on 9th May, 2023.
- Mrs Vandana, Deputy Director (IT) and Mr Ravneet Singh attended online training on "Agri Startups", organized by PAMETI in collaboration with MANAGE from 24-26 April, 2023.
- Dr. Rupinder Kaur attended a meeting for final question paper setting for conducting DAESI examinations at four centres- ATMA- Ferozepur, ATMA- Tarn-taran, ATMA- Sri Muktsar Sahib, and KVK- Barnala on 4th May, 2023.
- Mrs Vandana attended an online training on "Video Production Techniques for Dissemination of Information in Agriculture", organized by Bihar Agricultural University in collaboration with MANAGE from 8-12 May, 2023.
- Dr. Rupinder Kaur conducted a meeting with coordinators and facilitators of all DAESI centres regarding successful conduct of final examinations on 9th May, 2023.
- Dr. Rupinder Kaur arranged and conducted a visit for DAESI candidates from Faridkot to various departments of PAU on 18th May, 2023.
- Dr. Rupinder Kaur delivered a session on "Understanding the functioning of PAMETI" to M.Sc students from Department of Extension Education, PAU on 19th May, 2023.
- Mrs. Bharti Madan acted as jury member for evaluating the films for National Film Festival organized by MANAGE in May, 2023
- Dr. Rupinder Kaur visited ATMA, Tarn-taran to verify all the records and documents of DAESI batch at office of ATMA, Tarn-taran on 1st June, 2023.
- Dr. Rupinder Kaur visited KVK, Barnala for verification of records and documents of DAESI batch at office of KVK, Barnala on 7th June, 2023.
- Mr Ravneet Singh and Mrs Vandana attended an online training on "Value addition options in horticulture crops", organized by PAMETI in collaboration with MANAGE from 6-9 June, 2023.

- Dr. Rupinder Kaur visited KVK, Barnala as a panel member for conducting verification of records and viva-voce during final DAESI examinations on 22nd June, 2023.
- Mr Ravneet Singh attended an online orientation training to the Master Trainers for “Safe and Judicious use Glyphosate” by PCOs (Pest Control Operators), organized by National Institute of Plant Health Management (NIPHM), Hyderabad on 23rd June, 2023.
- Dr. Rupinder Kaur conducted a meeting with DAESI facilitators from all centers regarding evaluation of answer sheets of DAESI candidates on 3rd July, 2023.
- Dr. Rupinder Kaur visited Chandigarh University (CU), Mohali to conduct an inspection in context of starting DAESI programme at CU, Mohali on 10th July, 2023.
- Contact classes for 16th batch of Post-graduate Diploma in Agricultural Extension Management (PGDAEM) were conducted from 24-28 July, 2024.
- Dr. Rupinder Kaur attended a review meeting regarding funds utilization under RKVY 2023-24 conducted by Department of Agriculture & Farmers’ Welfare, Punjab on 2nd August, 2023 and 10th October, 2023.
- Mr Ravneet Singh attended a webinar on "Millets, Mahila Kisan and Mausam Parivartan”, organized by MANAGE, Hyderabad on 4th August 2023.
- Valedictory function, in which certificates and awards were distributed to all candidates of two batches of DAESI program at PAMETI was conducted on 25th August, 2024.
- Mrs. Vandana attended a webinar on “Drones for Agricultural Development”, organized under CBC (Capacity Building Commission) by MANAGE on 8th September, 2023.
- Mr Ravneet Singh attended one-day programme on “Invitation for Punjab FPOs, Industry Participation” at Guru Nanak Dev Bhawan, Ludhiana on 15th September 2023.
- Ms. Bharti Madan delivered a session on “Social Media: New Generation Tools for Extension Professionals” during online training on “Social Media for Agricultural Extension” organized by MANAGE, Hyderabad on 21st September, 2023.
- Mr Ravneet Singh attended online trainings on " Agricultural export Potential”, organized by National Institute of Agricultural Extension Management (MANAGE), Hyderabad from 3-6 October, 2023.
- Mr Ravneet Singh attended one-day workshop on “Hermetic storage of food grains” at JACOB Hall, COAET, PAU, Ludhiana on 6th October, 2023.
- Ms. Amanpreet Luthra- a women entrepreneur, who were trained under STRY by PAMETI got selected to exhibit her products including homemade soaps and oils under brand name “Raj Organo Products” at the International conference “From research to Impact: Towards just and resilient agri-food systems” at New Delhi from 9-12 October, 2023.

- Mrs. Bharti Madan delivered a session about “Role of PAMETI in Agricultural Extension” to B.Sc. (Community Science) students from PAU, Ludhiana on 13th October, 2023.
- Mrs. Bharti Madan and Dr Harmeet Kaur attended online meeting conducted under the Chairmanship of Additional Commissioner (Extension), DA&FW, about exploring the possibilities for conducting training programmes under PM Vishwakarma Scheme on 20th October, 2023.
- Dr Rupinder Kaur and Mrs Bharti Madan delivered various sessions to students during Skill Development Programme under Institutional Development Plan at GASDVASU, Ludhiana from 6-10 November, 2023.
- Dr. Rupinder Kaur organized Review meeting of DAESI for all Coordinators and Facilitators from each Nodal Training Institute (NTI) of Punjab on 15th December, 2023.
- Director, PAMETI and its faculty members promoted institute’s various activities/trainings under different governmental schemes through T.V. programme- “Mera Pind Mere Khet”, broadcasted on DD Punjabi on 9th January, 2024.
- Dr. Rupinder Kaur delivered a lecture to GADVASU students on “Motivation for Entrepreneurship” under Hamara Sankalp Viksit Bharat campaign on 18th December, 2023.
- Director, PAMETI attended Annual Training Planning Workshop -2024 ay MANAGE, Hyderabad from 9-10 January, 2024.
- Mr Ravneet Singh attended an online training program on “Gender-Sensitive Agri-Horti based Dimensions for addressing Livelihood, Nutrition and Entrepreneurship”, organized by ICAR-CIWA (Central Institute for Women in Agriculture) in collaboration with MANAGE from 15-19 January, 2024.
- Director, PAMETI alongwith all faculty members conducted an online State-level Training Needs Assessment Workshop on 18th January, 2024.
- Dr. Rupinder Kaur attended a webinar on “Successful Models of Para-extension workers among DAESI trained input dealers”, organized by MANAGE, Hyderabad on 30th January, 2024.
- Mrs. Bharti Madan delivered a session “Role of PAMETI in Extension” to students from Home Science Extension, PAU on 31st January, 2024.
- Director, PAMETI attended Inauguration and Valedictory Function for Diploma in Agricultural Extension Services for Input Dealers (DAESI) at ATMA, Ferozepur on 10th February, 2024.

- Dr. Damanjeet Kaur (Retd. Senior Wheat Nematologist, PAU), Facilitator, DAESI-PAMETI has been awarded as “Best Facilitator” during “Felicitation of Champions in DAESI Program (DAESI Awards 2024)”, organized by MANAGE, Hyderabad on 22nd February, 2024.
- DAESI Examinations have been conducted in Punjab from 25th February – 5th March, 2024.
- Dr. Rupinder Kaur has been awarded with a degree of Doctor of Philosophy (PhD) in Management by former Australian Prime Minister Hon’ble Tony Abbott from Lovely Professional University on 25th February, 2024.
- Director, PAMETI alongwith Mr Ravneet Singh and Mrs. Bharti Madan attended 12th State Level Project Screening Committee (SLPLC) meeting 2024-25 for reviewing the projects proposals under RKVY held under the chairmanship of honorable Special Chief Secretary, Punjab at Punjab Civil Secretariat on 26th February, 2024.
- Director, PAMETI co-chaired one of the technical sessions and presented two papers entitled “Effect of Different Cropping Systems on Soil Hydrolic Properties in North-Western India” and “Quality of Jaggery and its Products Produced by Different Jaggery Units in Punjab” during the 4th National Conference on “Agriculture in 2050-Technology Development and Dissemination”, organized by Jawaharlal Nehru Krishi Vishwa Vidyalaya (JNKVV), Jabalpur from 1-3 March, 2024.
- Director, PAMETI along with Dr. Rupinder Kaur and Mr. Ravneet Singh attended a meeting with DEE- PAU and GADVASU under the chairmanship of worthy Vice-chancellor, PAU-cum-Vice-chairman, PAMETI for finalization of Annual Training Calendar (2024-25) for PAMETI on 6th March, 2024.
- Mrs. Vandana attended a webinar on “Strengthening Millet Value Chain”, organized by Indian Institute of Millets Research (IIMR) and MANAGE on 7th March, 2024.
- Mrs. Vandana attended a webinar on “Governance and Management of Farmer Producer Organizations”, organized by IIMR in collaboration with MANAGE on 8th March, 2024.
- Mrs. Vandana and Mr Ravneet Singh attended online training programme on "Advances in ICTs in Agricultural Marketing System", organized by PAMETI in collaboration with MANAGE from 11-13 March, 2024.
- Dr. Rupinder Kaur attended 9th Academic Committee meeting of Extension Education Institute (EEI), Nilokheri to finalize their annual training calendar on 14th March, 2024.
- Mrs. Vandana attended online workshop on “Millets Production, Processing, Value Addition Technologies and Market Opportunities”, organized by IIMR in collaboration with MANAGE on 14th March, 2024.

- Mr Ravneet Singh attended online training programme on "Supply Chain Management", organized by PAMETI in collaboration with MANAGE from 18-20 March, 2024.
- Two batches of DAESI program at PAMETI have been inaugurated by Dr. Satbir Singh Gossal, Vice-chancellor, PAU-cum- Vice-chairman, PAMETI on 21st March, 2024.
- Director, PAMETI delivered a session on “Benefits of Satellite based Technology for improved farming, forecasting and enhancing productivity” during one-day workshop on “Benefits of Satellite-based technology for improve farming forecasting & enhance productivity” under Agro-Geo informatics Project of RKVY Scheme, chaired by Hon’ble Secretary Agriculture and Director Agriculture, Punjab, held at Punjab Remote Sensing Centre, Ludhiana on 22nd March, 2024.
- Mr Ravneet Singh selected as a “Esteemed panelist” and Best Representative in one day workshop on “Benefits of Satellite-based technology for improve farming forecasting & enhance productivity” under Agro-Geo informatics Project of RKVY Scheme, chaired by Hon’ble Secretary Agriculture and Director Agriculture, Punjab, held at Punjab Remote Sensing Centre, Ludhiana on 22nd March, 2024.
- Dr. Rupinder Kaur and Dr. RK Kalra (Retd. Pof. Of Extension Education, PAU), Facilitator, DAESI-PAMETI delivered sessions during training program for candidates who have applied for the posts of ADOs under PPSC, organized by Department of Agriculture & Farmers’ Welfare, Faridkot on 22nd March, 2024.
- Mr Ravneet Singh attended a webinar on "Is Family Farmer Concept Gaining Momentum in India?", organized by MANAGE, Hyderabad on 28th March, 2024.

IV. Publications:

- Brought out three editions of PAMETI Reporter - a Tri-Annual Publication (December 2022-March 2023, April-July 2023, August-November 2023)
- Paper written by Dr. Rupinder Kaur has been published with reference - Kaur, R. and Bhalla, P (2024), ‘Roads of agricultural extension in India – intentions and realities’, Int. J. Public Sector Performance Management, Vol. 13, No. 2, pp. 232–243.
- Abstract entitled “Quality of Jaggery and its Products Produced by Different Jaggery Units in Punjab”, written by Mr. Ravneet Singh and Dr. KB Singh, has been published in proceedings of the 4th National Conference on “Agriculture in 2050-Technology Development and Dissemination”, organized by Jawaharlal Nehru Krishi Vishwa Vidyalaya (JNKVV), Jabalpur from 1-3 March, 2024.

- One paper has been published with reference – Dhillon, B.S., and Singh, K.B. (2023), ‘ਬਰਾਨੀ ਮੱਕੀ ਦੀ ਕਾਸ਼ਤ ਲਈ ਅਹਿਮ ਨੁਕਤੇ’, Magazine “ਚੰਗੀ ਖੇਤੀ”, Punjab Agricultural University, June 2023.
- One paper has been published with reference – Kaur, T. and Singh, K.B. (2024), ‘ਜ਼ਮੀਨ ਦੀ ਸਿਹਤ ਲਈ ਮਿੱਟੀ ਪਰਖ ਅਤੇ ਹਰੀਆਂ ਖਾਦਾਂ ਦੀ ਮਹੱਤਤਾ’, Magazine “ਬਹੁਮੰਤਵੀ ਖੇਤੀ”, April-June 2024
- Paper has been published in a brochure in Punjabi and English language with reference - Dhillon, B.S., Khokhar, A., Singh, K.B., Singh, M., Yousuf, A, and Bhat, M.A. (2024), ‘Successful Cultivation of Wheat in Kandi Region of Punjab’, under project ‘All India Coordinated Research Project for Dryland Agriculture’ by Regional Research Station, Ballawal Saunkhri, PAU.
- A success story has been published in Punjabi and English language with reference - Dhillon, B.S., Yousuf, A, Singh, M., Singh, K.B., Bhat, M.A., and Khokhar, A. (2024), ‘Rainfed Integrated Farming System- A success story of Jasvir Kumar’, under project ‘All India Coordinated Research Project for Dryland Agriculture’ by Regional Research Station, Ballawal Saunkhri, PAU.
- Paper has been published with reference - Dhillon, B.S., Sharma, K.K., and Singh, K.B. (2024), ‘ਬਰਾਨੀ ਇਲਾਕਿਆਂ ਵਿੱਚ ਕਣਕ ਦੀ ਕਾਸ਼ਤ ਅਤੇ ਬਿਮਾਰੀਆਂ ਦੀ ਰੋਕਥਾਮ’, Extension Bulletin by Regional Research Station, Ballawal Saunkhri, PAU.
- Paper has been published with reference - Pathania, M., Dhillon, B.S., and Singh, K.B. (2024), ‘ਕਣਕ ਦੀ ਕਾਸ਼ਤ: ਕੀੜੇ-ਮਕੋੜਿਆਂ ਦੀ ਸਰਵਪੱਖੀ ਰੋਕਥਾਮ’, Extension Bulletin by Regional Research Station, Ballawal Saunkhri, PAU.
- Paper has been published with reference - Sharma, K.K., Dhillon, B.S., and Singh, K.B. (2024), ‘ਕੰਢੀ ਇਲਾਕੇ ਵਿੱਚ ਸਰ੍ਹੋਂ ਜਾਤੀ ਦੀਆਂ ਫਸਲਾਂ ਦੀ ਕਾਸ਼ਤ ਅਤੇ ਬਿਮਾਰੀਆਂ ਦੀ ਰੋਕਥਾਮ’, Extension Bulletin by Regional Research Station, Ballawal Saunkhri, PAU.