

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION

**LOK SABHA**  
**UNSTARRED QUESTION NO. 1668**  
TO BE ANSWERED ON 06/03/2018

**CO-ORDINATION AMONG AGRICULTURAL UNIVERSITIES**

1668. DR. RAMESH POKHRIYAL “NISHANK”:

Will the Minister of AGRICULTURE AND FARMERS WELFARE  
कृषि और किसान कल्याण मंत्री be pleased to state:

- (a) the details of the scheme formulated by the Government to promote the research work and mutual coordination amongst the various agricultural universities;
- (b) the number of posts of scientists, professors lying vacant in the Agricultural Universities, the time since when these posts are lying vacant and the time by which these are likely to be filled; and
- (c) the specific steps taken by the Government to provide benefits of the research to farmers and their fields, particularly for the promotion of agriculture and horticulture in the Himalayan region?

**A N S W E R**

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
कृषि और किसान कल्याण मंत्रालय में राज्य मंत्री  
**(SHRI GAJENDRA SINGH SHEKHAWAT)**

- (a) In order to promote research work and mutual coordination amongst the various Agricultural Universities, the Indian Council of Agricultural Research (ICAR) is running All India Coordinated Research Projects/Network Projects in collaboration with the State Agricultural Universities as per the details given in the **Annexure-I**.
- (b) No such information is available with the ICAR.
- (c) The Krishi Vigyan Kendras (KVKs) assess and demonstrate the technologies developed by National Agricultural Research System for its application in farmers' fields and capacity development of the farmers. For the purpose, the KVKs organize On Farm Trials to assess the location specificity of the technologies and organize Frontline Demonstrations to establish production potential of technologies on the farmers' fields.

The KVKs also organize training programmes for farmers and extension personnel to update their knowledge and skills on modern agricultural technologies. Besides, the KVKs produce quality technological inputs like seeds, planting materials and livestock strains and fingerlings on improved varieties/breeds for availability to the farmers. The achievements of KVKs on these activities during last 4 years including those on agriculture and horticulture in Himalayan region are highlighting at **Annexure-II**.

Further, ICAR has implemented “**Pt. Deen Dayal Upadhyay Unnat Krishi Shiksha Yojna**” (PDDUUKSY) for farmers. Under this programme launched during 2016-2017 and continued during 2017-18 100 training centres have been established across the country to train farmers in **Organic Farming/ Natural Farming/Cow Based Economy**. Out of 100 training centres, following training centres have been established in Himalayan region under the supervision of State Agricultural Universities/ICAR Institutes of Himalayan region during these years. The detail of centres under different agricultural universities are given in the following table. One centre is responsible for organizing at least 5 training programmes in a year with an aim to train at least 30 participants/training. An amount of Rupees one lakh is earmarked for conducting each training programme through SAUs/ICAR-Institutes. Hence, 15000 farmers through 100 training centres across the country are trained every year in **Organic Farming/ Natural Farming/Cow Based Economy** of which, 600 farmers will be trained in Himalayan region.

#### **Farmers training centres under PDDUUKSY in Himalayan region**

<b>Sl. No.</b>	<b>Name of SAU's/ICAR-Institutes</b>	<b>No. of Centres</b>	<b>No. of Training Programmes proposed at each center</b>	<b>Total Amount (Rs. Lakhs)</b>
1.	Sher-e-Kashmir Univ of Agricultural Science & Technology of Jammu	1	5	5.00
2.	Govind Ballabh Pant University of Agriculture & Technology, Pantnagar	2	5	10.00
3.	CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur	1	5	5.00
4.	IARI Regional Station, Kalimpong, Dist. Darjeeling, W. Bengal	1	5	5.00
<b>Total</b>		<b>5</b>	<b>20</b>	<b>25.00</b>

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**SMD-Wise List of AICRPs/AINPs/Other projects**

<b>I. CROP SCIENCE DIVISION</b>	
<b>AICRPs</b>	
1	Biological Control, Bangalore
2	Chickpea, Kanpur
3	Cotton, Coimbatore
4	Forage Crops, Jhansi
5	Groundnut, Junagarh
6	Honey Bee & Pollinators, New Delhi
7	Linseed, Kanpur
8	Maize, New Delhi
9	MULLARP, Kanpur
10	National Seed Project (Crops), Mau
11	Nematodes, New Delhi
12	Pearl Millets, Jodhpur
13	Pigeon Pea, Kanpur
14	Rapeseed & Mustard, Bharatpur
15	Rice, Hyderabad
16	Sesame and Niger, Jabalpur
17	Small Millets, Bangalore
18	Sorghum, Hyderabad
19	Soybean, Indore
20	Sugarcane, Lucknow
21	Sunflower, Safflower, Castor, Hyderabad
22	Wheat & Barley Improvement Project, Karnal
<b>Network Projects</b>	
23	Agricultural Acarology, Bangalore
24	Arid Legumes, Kanpur
25	Insect Biosystematics, Bangalore
26	Jute and Allied Fibres, Barrackpore
27	Microorganisms in Agriculture & Allied Sectors (AMAAS), Mau
28	Pesticides Residues, New Delhi
29	Potential Crops, New Delhi
30	Soil Arthropod Pests, Durgapur
31	Tobacco, Rajahmundry
32	Vertebrate Pest Management, Jodhpur
<b>Other Project</b>	
33	ICAR Project on Seed production in Agricultural Crops and Fisheries
<b>II. HORTICULTURAL SCIENCE DIVISION</b>	
<b>AICRPs</b>	
34	Arid Zone Fruits, Bikaner
35	Cashew, Puttur

36	Floriculture, Pune
37	Fruits, Bangalore
38	Medicinal and Aromatic Plants including Betel Vine, Anand
39	Mushroom, Solan
40	Palms, Kasaragod
41	Potato, Shimla
42	Spices, Calicut
43	Tuber Crops, Thiruvananthapuram
44	Vegetable Crops including NSP on Vegetable, Varanasi
	<b>Network Projects</b>
45	Improvement of Onion & Garlic
46	Outreach of Technologies for Temperate Fruit Crops, Kashmir
<b>III. ANIMAL SCIENCE DIVISION</b>	
<b>AICRPs</b>	
47	Animal Disease Monitoring and Surveillance (ADMAS), Bangalore
48	Cattle, Meerut
49	Foot and Mouth Disease, Mukteshwar
50	Goat Improvement, Mathura
51	Nutritional and Physiological Interventions for Enhancing Reproductive Performance in Animals
52	Pigs, Guwahati
53	Poultry Breeding, Hyderabad
<b>Network Projects</b>	
54	Blue Tongue Disease, Izatnagar
55	Haemorrhagic Septicaemia, Izatnagar
56	Animal Genetic Resources, Karnal
57	Buffaloes Improvement, Hisar
58	Gastrointestinal Parasitism, Izatnagar
59	Diagnostic Imaging and Management of Surgical Conditions in Animals (New initiative in XII Plan), Izatnagar
60	Neonatal Mortality in Farm Animals (New Initiative in XII Plan), Izatnagar
61	Sheep Improvement, Avikanagar
	<b>Other Projects</b>
62	Mega Seed Project on Pig

63	Mega Seed Project on Sheep
64	Outreach Programme on Ethno Veterinary Medicine
65	Outreach Programme on Monitoring of Drug Residues and Environmental Pollutants
66	Outreach Programme on Zoonotic Diseases
67	Outreach Project on Estimation of Methane Emission Under Different Feeding Systems and Development of Mitigation Strategies
68	Mega Seed Project on Poultry
<b>IV. FISHERIES SCIENCE DIVISION</b>	
<b>Network Projects</b>	
69	Fish Health, Chennai
70	Mari-Culture, Kochi
<b>V. NATURAL RESOURCE MANAGEMENT DIVISION</b>	
<b>AICRPs</b>	
71	Micro Secondary & Pollutant Elements in Soils and Plants, Bhopal
72	Agroforestry, Jhansi
73	Agrometeorology, Hyderabad including Network on Impact Adaptation & Vulnerability of Indian Agriculture to Climate Change
74	Dryland Agriculture, Hyderabad
75	Integrated Farming System Research, Modipuram including Network Project on Organic Farming
76	Irrigation Water Management Research, Bhubaneswar
77	Long Term Fertilizer Experiments, Bhopal
78	Management of Salt Affected Soils & Use of Saline Water in Agriculture, Karnal
79	Soil Test Crop Response, Bhopal
80	Weed Control, Jabalpur
	<b>Network Project</b>
81	Soil Biodiversity-Biofertilizers
<b>VI. AGRICULTURAL ENGINEERING DIVISION</b>	
<b>AICRPs</b>	
82	Energy in Agriculture and Agro Based Industry, Bhopal
83	Farm Implements & Machinery, Bhopal
84	Plasticulture Engineering and Technologies, Ludhiana
85	Post Harvest Engineering Technology (PHET), Ludhiana
86	Utilization of Animal Energy (UAE), Bhopal

87	Coordinated Research Project on Ergonomics and Safety in Agriculture
	<b>Network Projects</b>
88	Conservation of Lac Insect Genetic Resources, Ranchi
89	Engineering Division on Agricultural Bioinformatics and Computational Biology, New Delhi
90	<b>Harvesting, Processing and Value Addition of Natural Resins and Gums, Ranchi</b>
<b>VII. AGRICULTURAL EDUCATION DIVISION</b>	
<b>AICRP</b>	
91	Home Science, Bhubaneswar

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**State/UT-wise details of major activities undertaken by KVKs during last four years.**

Sl No	State	Activities	Achievements during last four years (2012-13 to 2015-16)
1.	Andaman and Nicobar Islands	On- farm trials and demonstrations (Number)	217
		Farmers and extension personnel trained (Number)	6081
		Production of Seed (in tonnes)	18.95
		Production of planting material(in lakh)	1.1035
		Live-stock strains and fingerlings(in lakh)	3.57
2.	Andhra Pradesh	On- farm trials and demonstrations (Number)	16520
		Farmers and extension personnel trained (Number)	207692
		Production of Seed (in tonnes)	1654.27
		Production of planting material(in lakh)	36.41
		Live-stock strains and fingerlings(in lakh)	3.52
3	Arunachal Pradesh	On- farm trials and demonstrations (Number)	7918
		Farmers and extension personnel trained (Number)	110988
		Production of Seed (in tonnes)	1018.78
		Production of planting material(in lakh)	4.78574
		Live-stock strains and fingerlings(in lakh)	2.41
4	Assam	On- farm trials and demonstrations (Number)	14000
		Farmers and extension personnel trained (Number)	191965
		Production of Seed (in tonnes)	4598.51
		Production of planting material(in lakh)	9.89667
		Live-stock strains and fingerlings(in lakh)	4.03275
5	Bihar	On- farm trials and demonstrations (Number)	31822
		Farmers and extension personnel trained (Number)	627302
		Production of Seed (in tonnes)	6836.08
		Production of planting material(in lakh)	34.11
		Live-stock strains and fingerlings(in lakh)	7.715
6	Chhattisgarh	On- farm trials and demonstrations (Number)	19145
		Farmers and extension personnel trained (Number)	192543
		Production of Seed (in tonnes)	1272.22

Sl No	State	Activities	Achievements during last four years (2012-13 to 2015-16)
		Production of planting material(in lakh)	22.23
		Live-stock strains and fingerlings(in lakh)	4.468
7	Delhi	On- farm trials and demonstrations (Number)	542
		Farmers and extension personnel trained (Number)	7065
		Production of Seed (in tonnes)	56.37
		Production of planting material(in lakh)	0.02
		Live-stock strains and fingerlings(in lakh)	0.0
8	Goa	On-farm trials and demonstrations (number)	1180
		Farmers and Extension personnel trained (number)	7840
		Production of seed (in tonnes)	31.224
		Production of Planting materials (in lakh)	0.61
		Live stock strains and fingerlings (in lakh)	0.572
9	Gujarat	On- farm trials and demonstrations (Number)	38161
		Farmers and extension personnel trained (Number)	330523
		Production of Seed (in tonnes)	943.22
		Production of planting material(in lakh)	86.3
		Live-stock strains and fingerlings(in lakh)	0.13315
10	Haryana	On- farm trials and demonstrations (Number)	13954
		Farmers and extension personnel trained (Number)	255895
		Production of Seed (in tonnes)	1261.73
		Production of planting material(in lakh)	6.01
		Live-stock strains and fingerlings(in lakh)	205665.84
11	Himachal Pradesh	On- farm trials and demonstrations (Number)	12741
		Farmers and extension personnel trained (Number)	104939
		Production of Seed (in tonnes)	169.25
		Production of planting material(in lakh)	45.28
		Live-stock strains and fingerlings(in lakh)	18.001
12	Jammu and Kashmir	On- farm trials and demonstrations (Number)	13853
		Farmers and extension personnel trained (Number)	101123
		Production of Seed (in tonnes)	275.59
		Production of planting material(in lakh)	4.59



Sl No	State	Activities	Achievements during last four years (2012-13 to 2015-16)
		Live-stock strains and fingerlings(in lakh)	3722.01
13	Jharkhand	On- farm trials and demonstrations (Number)	22975
		Farmers and extension personnel trained (Number)	215773
		Production of Seed (in tonnes)	6191.3
		Production of planting material(in lakh)	13.239
		Live-stock strains and fingerlings(in lakh)	3.96012
14	Karnataka	On-farm trials and demonstrations (number)	21261
		Farmers and Extension personnel trained (number)	439619
		Production of seed (in tonnes)	1146.214
		Production of Planting materials (in lakh)	29.98
		Live stock strains and fingerlings (in lakh)	1.4
15	Kerala	On-farm trials and demonstrations (number)	7470
		Farmers and Extension personnel trained (number)	208907
		Production of seed (in tonnes)	81.97
		Production of Planting materials (in lakh)	23.88
		Live stock strains and fingerlings (in lakh)	2.87
16	Laksha dweep	On-farm trials and demonstrations (number)	104
		Farmers and Extension personnel trained (number)	14480
		Production of seed (in tonnes)	0.049
		Production of Planting materials (in lakh)	0.16
		Live stock strains and fingerlings (in lakh)	0.002
17	Madhya Pradesh	On- farm trials and demonstrations (Number)	80780
		Farmers and extension personnel trained (Number)	462244
		Production of Seed (in tonnes)	5038.68
		Production of planting material(in lakh)	36.74
		Live-stock strains and fingerlings(in lakh)	6.46
18	Maharashtra	On- farm trials and demonstrations (Number)	32674
		Farmers and extension personnel trained (Number)	437622
		Production of Seed (in tonnes)	727.06
		Production of planting material(in lakh)	57.8
		Live-stock strains and fingerlings(in lakh)	4.63

Sl No	State	Activities	Achievements during last four years (2012-13 to 2015-16)
19	Manipur	On- farm trials and demonstrations (Number)	5537
		Farmers and extension personnel trained (Number)	74477
		Production of Seed (in tonnes)	1054.79
		Production of planting material(in lakh)	4.54439
		Live-stock strains and fingerlings(in lakh)	1.59582
20	Meghalaya	On- farm trials and demonstrations (Number)	2847
		Farmers and extension personnel trained (Number)	41265
		Production of Seed (in tonnes)	486.36
		Production of planting material(in lakh)	2.4013
		Live-stock strains and fingerlings(in lakh)	0.80653
21	Mizoram	On- farm trials and demonstrations (Number)	4938
		Farmers and extension personnel trained (Number)	64967
		Production of Seed (in tonnes)	830.79
		Production of planting material(in lakh)	3.33608
		Live-stock strains and fingerlings(in lakh)	1.38848
22	Nagaland	On- farm trials and demonstrations (Number)	5523
		Farmers and extension personnel trained (Number)	71769
		Production of Seed (in tonnes)	1173.49
		Production of planting material(in lakh)	4.5443
		Live-stock strains and fingerlings(in lakh)	1.59576
23	Odisha	On- farm trials and demonstrations (Number)	37972
		Farmers and extension personnel trained (Number)	212982
		Production of Seed (in tonnes)	3865.11
		Production of planting material(in lakh)	73.89
		Live-stock strains and fingerlings(in lakh)	16.64
24	Pudducherry	On-farm trials and demonstrations (number)	718
		Farmers and Extension personnel trained (number)	14279
		Production of seed (in tonnes)	198.073
		Production of Planting materials (in lakh)	17.77
		Live stock strains and fingerlings (in lakh)	1.52

Sl No	State	Activities	Achievements during last four years (2012-13 to 2015-16)
25	Punjab	On- farm trials and demonstrations (Number)	10168
		Farmers and extension personnel trained (Number)	126494
		Production of Seed (in tonnes)	5391.41
		Production of planting material(in lakh)	1.65
		Live-stock strains and fingerlings(in lakh)	283.004
26	Rajasthan	On- farm trials and demonstrations (Number)	41751
		Farmers and extension personnel trained (Number)	359341
		Production of Seed (in tonnes)	1898.27
		Production of planting material(in lakh)	47.57
		Live-stock strains and fingerlings(in lakh)	130.0582
27	Sikkim	On- farm trials and demonstrations (Number)	2243
		Farmers and extension personnel trained (Number)	31736
		Production of Seed (in tonnes)	416.83
		Production of planting material(in lakh)	1.64304
		Live-stock strains and fingerlings(in lakh)	0.61924
28	Tamil Nadu	On-farm trials and demonstrations (number)	20423
		Farmers and Extension personnel trained (number)	574089
		Production of seed (in tonnes)	1695.948
		Production of Planting materials (in lakh)	88.82
		Live stock strains and fingerlings (in lakh)	2.14
29	Telangana	On-farm trials and demonstrations (number)	3046
		Farmers and Extension personnel trained (number)	29271
		Production of seed (in tonnes)	35.8
		Production of Planting materials (in lakh)	6.18
		Live stock strains and fingerlings (in lakh)	2.18
30	Tripura	On- farm trials and demonstrations (Number)	2480
		Farmers and extension personnel trained (Number)	34795
		Production of Seed (in tonnes)	531.07
		Production of planting material(in lakh)	1.99304
		Live-stock strains and fingerlings(in lakh)	0.70924

Sl No	State	Activities	Achievements during last four years (2012-13 to 2015-16)
31	Uttar Pradesh	On- farm trials and demonstrations (Number)	58930
		Farmers and extension personnel trained (Number)	652241
		Production of Seed (in tonnes)	7292.28
		Production of planting material(in lakh)	65.99
		Live-stock strains and fingerlings(in lakh)	148.58
32	Uttarakhand	On- farm trials and demonstrations (Number)	16148
		Farmers and extension personnel trained (Number)	86,423
		Production of Seed (in tonnes)	2278.98
		Production of planting material(in lakh)	204.78
		Live-stock strains and fingerlings(in lakh)	0.02717
33	West Bengal	On- farm trials and demonstrations (Number)	24088
		Farmers and extension personnel trained (Number)	187815
		Production of Seed (in tonnes)	13823.8
		Production of planting material(in lakh)	32.372
		Live-stock strains and fingerlings(in lakh)	127.544

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