

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

LOK SABHA
UNSTARRED QUESTION NO. 252
TO BE ANSWERED ON 19/11/2019

ICAR STATIONS IN NORTH-EASTERN STATES

252. MS. PRATIMA BHOUMIK:

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

- (a) whether the Government has any ICAR Stations established/in operation in the 7 North-Eastern States, if so, the details thereof;
- (b) whether there are new cultivars of plant species developed in such Research Stations in the last five years, if so, the details thereof;
- (c) whether the Government has any data with regard to the number of farmers who got the benefits of such introductions, if so, in which way they were benefited;
- (d) whether the Government has prepared any road map for the Research Stations for the next five years from 2019 onwards for the development of new cultivars of plant species, if so, the details thereof, if not, the reasons therefor; and
- (e) whether any research activity has been undertaken for enhancing shelf lives of pineapple and other such tropical fruits which are grown in the North-Eastern States, if so, the details thereof and if not, the reasons therefor?

A N S W E R

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE
कृषि और किसान कल्याण मंत्री **(SHRI NARENDRA SINGH TOMAR)**

- (a) Yes, Sir. Department of Agricultural Education & Research (DARE)/ Indian Council of Agricultural Research (ICAR) has established a Central Agriculture University, a number of Research Institutes, Regional Research Centres and Krishi Vigyan Kendras (KVKs) in the North-Eastern States. Detailed list is enclosed as **Annexure-I.**
- (b) In the last 5 year ICAR has developed **438** varieties of crops including Cereals, Oilseeds, Pulses, Fibres, Forages and Sugarcane besides potato (1), elephant foot yam (1), guava (4), papaya (1), pineapple (1) arecanut (1) and orchids (5). The varieties so developed are suitable for different land use conditions of the North Eastern region. The detail is given in **Annexure-II.**

(c) The KVKs under Agriculture Technology Application Research Institute (ATARIs) based in the region are mandated for technology assessment and demonstration for its application and capacity development for proper dissemination of agricultural technologies among farmers including small and marginal ones working in North eastern state. The details regarding the number of farmers benefitted from the technologies and the training and capacity building programmes run by ICAR are given in **Annexure-III**.

(d) The ICAR research Institutes have carved out a clear-cut road map for research & development for the next 5 years, as well as vision documents (vision 2030). The implementation of the action plans besides being monitored by the Concerned Subject Matter Divisions at the ICAR Headquarters is also reviewed and refined by the Quinquennial Review Teams, set up by the Council for this purpose. The major focus is accorded to the development of horticulture, livestock, poultry, fish and crop based intensive farming systems, horticulture based organic production system besides sustainable crop and animal production together with skill development programmes and other related activities. Besides, ICAR has also developed state specific, technology driven strategy documents to enable doubling farmers' incomes by 2022 in respect of all the states of the region.

(e) In pineapple growing areas including north eastern states, pineapple fruits are mostly harvested at fully ripe stage which is technically not advisable. The research conducted by ICAR Research Institutes have revealed that, depending on the travel distance between the orchards and the market, the fruits should be harvested at CS-2 (20-25% colour development stage) which enhances shelf life by 8-10 days (at room temperature 22-25°C) or CS-3 stage (40-50% colour development) which enhances shelf life by 5-6 days. This way the post harvest losses could be minimised.

Shelf life of pineapple can also be enhanced by processing and value addition.

The following technologies have been developed by the ICAR.

1. Zero waste technology for Osmo Dehydrated pineapple products (OUAT, Bhuvaneswar centre)
2. Osmotic Dehydrated Pineapple Candy (ICAR-CIPHET, Ludhiana)
3. Process protocol for extraction of bromelain from pineapple waste for muscle food tenderization (CAU, Imphal centre)

For pre-processing and easier handling of Pineapple fruits, ICAR has developed, peeler cum corer cum slicer (CAU, Imphal centre) & Pineapple cutter for dividing one pineapple fruit into 04 (four) quarters (CAU, Imphal centre).

LIST OF ICAR INSTITUTES/REGIONAL STATIONS/ AICRP / ATARI LOCATED IN NORTH EASTERN STATES

Sl. No.	Name of Institutes / AICRP / Regional Centres etc.
Research Institutes	
1.	ICAR Research Complex for NEH Region, Umiam, Meghalaya
2.	ICAR- National Research Centre (NRC) on Pig, Rani, Guwahati, Assam.
3.	ICAR- National Research Centre on Mithun, Nagaland
4.	ICAR-National Research Centre on Yak, Dirang, Arunachal Pradesh
5.	ICAR-National Research Centre for Orchids, Pakyong, Gangtok, Sikkim
6.	ICAR-National Organic Farming Research Institute, Tadong, Gangtok, Sikkim
7.	Central Agriculture University, Imphal
8.	ICAR- IARI, Assam (Under Establishment)
9.	ICAR- Agricultural Technology Application Research Institute (ATARI), Guwahati
10.	ICAR- Agricultural Technology Application Research Institute (ATARI), Umiam, Barapani, Meghalaya
Regional Stations of Research Institute/AICRPs/Network Projects	
11.	ICAR- Central Research Institute for Jute & Allied Fibres-Ramie Research Station, Assam
12.	ICAR- National Rice Research Institute, Regional Rainfed Lowland Rice Research Station, Kamrup, Assam
13.	ICAR-Central Inland Fisheries Research Institute, Regional Centre, Guwahati, Assam
14.	ICAR-Centre for Citrus, Regional Centre, Campus of Biswanath College of Agriculture, Biswanath Chariali, Assam
15.	ICAR-NBSS&LUP, Regional Centre, Jamuguri Road, Rawriah, Jorhat, Assam
16.	ICAR - Regional Center for NEH Region, Imphal, Manipur
17.	ICAR - Regional Center for NEH Region, Sikkim
18.	ICAR - Regional Center for NEH Region, Arunachal Pradesh
19.	ICAR - Regional Center for NEH Region, Tripura
20.	ICAR - Regional Center for NEH Region, Mizoram
21.	ICAR- Regional Center for NEH Region, Nagaland
22.	ICAR-Central Potato Research Station, Shillong (Meghalaya)
23.	ICAR-National Bureau of Plant Genetic Resources, Regional Station Shillong, Umroi, Meghalaya
24.	ICAR-AINP on Mega Seed Project on Pig, ICAR-NRC on Pig, Guwahati Assam
25.	ICAR-AICRP on Pig, ICAR-NRC on Pig, Guwahati, Assam

ATARI Wise list of KVKs located in North Eastern States (Total 89)

ATARI, Zone VI, Guwahati		
Arunachal Pradesh		
Sl. No.	Name of KVKs	Working under
1.	Krishi Vigyan Kendra, A.P. Centre, Basar, Distt. West Siang -79005	ICAR Research Complex for NEH Region, Umroi Road, Umiam-793 103
2.	Krishi Vigyan Kendra, Dirang, Distt. West Kameng	Directorate of Agriculture, Govt. of Arunachal Pradesh, Naharlagun-791 110, Itanagar
3.	Krishi Vigyan Kendra, Tirap, PO. Deomali, Distt. Tirap-786629,	Directorate of Agriculture, Govt. of Arunachal Pradesh, Naharlagun-791 110, Itanagar
4.	Krishi Vigyan Kendra, C/o Block Development Officer, (PO) Roing, Distt. Lower Dibang Valley	Directorate of Agriculture, Govt. of Arunachal Pradesh Naharlagun (Arunachal Pradesh)
5.	Krishi Vigyan Kendra, Jachhapa, (Yachuli), Distt. Lower Subansiri	Directorate of Agriculture, Govt. of Arunachal Pradesh Naharlagun-791110, Itanagar
6.	Krishi Vigyan Kendra, College of Horticulture & Forestry, CAU, Pasighat.791102, Distt. East Siang	Central Agricultural University, Imphal-795004
7.	Krishi Vigyan Kendra, Karsingsa Animal Husbandry Farm, Distt. Papumpare	Department of Animal Husbandry and Veterinary, Govt. of Arunachal Pradesh, Nirjuli, Naharlagun-791110 (Itanagar).
8.	Krishi Vigyan Kendra, Geku (Korak) Distt. Upper Siang	Directorate of Agriculture, Govt. of Arunachal Pradesh. Naharlagun 791110, Itanagar.
9.	Krishi Vigyan Kendra, Pampoli, PO. Seppa, Distt. East Kameng	Department of Agriculture, Govt. of Arunachal Pradesh Naharlagun-791110, Itanagar
10.	Krishi Vigyan Kendra, Mahatma Gandhi Road, Kargil Colony, Distt. Tawang	Directorate of Agriculture, Govt. of Arunachal Pradesh Naharlagun-791110, Itanagar
11.	Krishi Vigyan Kendra, Momong Village (Chongkham Circle) Distt. Namsai, Arunachal Pradesh	ICAR Research Complex for NEH Region, Umroi Road, Umiam, 793103, Meghalaya.
12.	Krishi Vigyan Kendra, Maro, Distt. Upper Subansiri	Directorate of Agriculture, Govt. of Arunachal Pradesh Naharlagun-791110, Itanagar
13.	Krishi Vigyan Kendra, Jairampur, District. Changlang.	Director of Agriculture, Department of Agriculture, Govt. of Arunachal Pradesh, Naharlagun.
14.	Krishi Vigyan Kendra, Metengliang, Vill, Meenglieng Circle Changlongam, C.D. Block Hayuliang P.O.Anjwa, Distt. Anjwa, Arunachal Pradesh.	ICAR Research Complex for NEH Region, Umroi Road, Umiam, 793103, Meghalaya.
15.	Krishi Vigyan Kendra, Village Niaunu, Distt. Longding, Arunachal Pradesh	ICAR Research Complex for NEH Region, Umroi Road, Umiam, 793103,
16.	Krishi Vigyan Kendra, Village Chomi, PO/PS Kolariang, Distt. KurungKumey, Arunachal Pradesh.	State Horticulture Research and Development Institute, Deptt. of Horticulture, Govt. of Arunachal Pradesh, Chimpu, Itanagar-791 113.

Assam		
17.	Krishi Vigyan Kendra, Gossaigaon, Telipara, Distt. Kokrajhar-783360,	Assam Agricultural University, Jorhat-785013
18.	Krishi Vigyan Kendra, Khumtai, Golaghat, Distt. Golaghat-7850619	Assam Agricultural University, Jorhat-785013
19.	Krishi Vigyan Kendra, Silchar, Distt. Cachar -788025	Assam Agricultural University, Jorhat-785013
20.	Krishi Vigyan Kendra, Napam, Tezpur, Distt. Sonitpur-784028	Assam Agricultural University, Jorhat-785013
21.	Krishi Vigyan Kendra, Nazira, SDAO Campus, Distt. Sibsagar--785685	Assam Agricultural University, Jorhat-785013
22.	Krishi Vigyan Kendra, Sariahtoli, Nalbari Distt. Nalbari-781337	Assam Agricultural University, Jorhat-785013
23.	Krishi Vigyan Kendra, Howly, Distt. Barpeta-781316	Assam Agricultural University, Jorhat-785013
24.	Krishi Vigyan Kendra, Bongaigaon, Chirang, Distt. of Assam-783385	Assam Agricultural University, Jorhat-785013
25.	Krishi Vigyan Kendra, Regional Agril. Research Station, Diphu Distt. Karbi Anglong-782460	Assam Agricultural University, Jorhat-785013
26.	Krishi Vigyan Kendra, Kamrup, Kahikuchi, Guwahati Distt. Kamrup-781017	Assam Agricultural University, Jorhat-785013
27.	Krishi Vigyan Kendra, RARS, North Lakhimpur Distt. N. Lakhimpur 787032	Assam Agricultural University, Jorhat-785013
28.	Krishi Vigyan Kendra, P. Box No.33, Shillongani, RARS, Nagaon Distt. Nagaon-782001	Assam Agricultural University, Jorhat-785013
29.	Krishi Vigyan Kendra, Citrus Research Station, Gellapukhuri, Distt. Tinsukia-786125	Assam Agricultural University, Jorhat-785013
30.	Krishi Vigyan Kendra, RARS, Distt. Karimganj-788710	Assam Agricultural University, Jorhat-785013
31.	Krishi Vigyan Kendra, Rangmati under Chapar Revenue Circle, Distt. Dhubri, Assam	Assam Agricultural University, Jorhat-785013
32.	Krishi Vigyan Kendra, Silagaon (Silapathar) Distt. Dhemaji, Assam	Assam Agricultural University, Jorhat-785013
33.	Krishi Vigyan Kendra, Romai Village, Distt. Dibrugarh, Assam	Assam Agricultural University, Jorhat-785013
34.	Krishi Vigyan Kendra, Gelaidingi Village, Distt. Darrang, Assam	Assam Agricultural University, Jorhat-785013
35.	Krishi Vigyan Kendra, Kaliapani near Teok, Fidy. Distt. Jorhat, Assam	Assam Agricultural University, Jorhat-785013
36.	Krishi Vigyan Kendra Dhdhnoi, District Golapara, Assam	National Research Centre on Pig, Guwahati
37.	Krishi Vigyan Kendra, (P.O.) lakshmisahar, Distt. Hailakandi, Assam	ICAR Research Complex for NEH Region Umroi Road, Umiam, Meghalaya
38.	Krishi Vigyan Kendra, Vill. Sarbaherua, Distt. Udalguri, Assam	Assam Agricultural University, Jorhat-785013

39.	Krishi Viygan Kendra, Vill. Chiknibari, Tamulpur Revenue Circle, Distt. Baksa, Assam	Assam Agricultural University, Jorhat-785013
40.	Krishi Vigyan Kendra, Vill. Jhargaon, Distt. Morigaon, Assam	Assam Agricultural University, Jorhat-785013
41.	Krishi Vigyan Kendra, Vill. Kerkhabari PT-II, Abhayapuri, Distt. Bongaigaon, Assam	Assam Agricultural University, Jorhat-785013
42.	Krishi Vigyan Kendra, Village Sarvagram (Jatinga Lampu), P.S. Halflong, Distt. Dima Hasao, Assam.	Keshav Smarak Nyas (NGO), Namsong Bhavan, Opp. C.I. Hall, Main Road, Halglong, Distt. Dima Hasao, Assam.
Sikkim		
43.	KrishiVigyan Kendra, Saramsa, Ranipool Distt. East Sikkim-7371354	ICAR Research Complex for NEH Region, Umroi Road, Umiam -793103
44.	Krishi Vigyan Kendra, Tadong, Gangtok, Distt. North Sikkim-737402	The Additional Director, (F.C.) Agriculture, Department of Agriculture, Govt. of Sikkim, Krishi Bhavan, Tadong-737102
45.	Krishi Vigyan Kendra, Geba near Geyzing, Distt. West Sikkim-	Principal Director, (FS&ADD), Food Security and Agriculture Development Department, Krishi Bhawan, Tadong-737 102
46.	Krishi Vigyan Kendra, Namthang, Distt. South Sikkim-	Principal Director, (FS&ADD), Food Security and Agriculture Development Department, Krishi Bhawan, Tadong-737 102
ATARI, Umiam, Meghalaya		
Manipur		
47.	Krishi Vigyan Kendra, ICAR Manipur Centre, Lamphelpat, Distt. Imphal West-795004	ICAR Research Complex for NEH Region, Umroi Road, Umiam.
48.	Sylvan Krishi Vigyan Kendra, Hengbung, PO. Kangpokpi Distt. Senapati -795129,	Foundation for Environment and Eco. Dev. Services, (FEEDS), Imphal
49.	Krishi Vigyan Kendra, Bishnupur Utlou, PO. Nambol Distt. Bishnupur-785134	Uttou Joint Farming Cum Pisci Culture Coop. Society Ltd., Bishnupur
50.	Krishi Vigyan Kendra, Andro village, Distt. Imphal East-	Central Agricultural University (CAU) Imphal
51.	Krishi Vigyan Kendra, Wangbal Rice Research Station, Distt. Thoubal-	Department of Agriculture, Govt. of Manipur, Manipur
52.	Krishi Vigyan Kendra, Pearsonmun village, Distt. Churachandpur-	ICAR Research Complex for NEH Region, Umroi Road, Umiam
53.	Krishi Vigyan Kendra, Charoi-Chagotlong Village Distt. Tamenglong	ICAR Research Complex for NEH Region, Umroi Road, Umiam
54.	Krishi Vigyan Kendra, Monsdang Pantha Village, Distt. Chandel	ICA Rresearch Complex for NEH Region, Umroi Road, Umiam
55.	Krishi Vigyan Kendra, Hundung village, Distt. Ukhrul	ICAR Research Complex for NEH Region, Umroi Road, Umiam

Meghalaya		
56.	Krishi Vigyan Kendra, Sangsangiri Dobasipara, Tura, Distt. West Garo Hills-794005	ICAR Research Complex for NEH Region, Umroi Road, Umiam
57.	Krishi Vigyan Kendra, Umroi Road, Barapani Distt. Ri-bhoi-793103	ICAR Research Complex for NEH Region, Umroi Road, Umiam
58.	Krishi Vigyan Kendra, Fruits Garden, Dhankheti, Distt. East Khasi Hills-793001 (Shillong)	Department of Agriculture, Govt of Meghalaya, Shillong.
59.	Krishi Vigyan Kendra, Village Wahiajer, Distt. West Jaintia Hills-793001 (Shillong)	Department of Agriculture Govt of Meghalaya, Shillong.
60.	Krishi Vigyan Kendra, Fruits Garden, Dhankheti, Shillong, Distt. West Khasi Hills-793001	Department of Agriculture, Govt of Meghalaya, Shillong.
61.	Krishi Vigyan Kendra, Village Daga I Gopgre, P.O. Chokpot, Distt. South Garo Hills, Meghalaya.	Central Agricultural University (CAU) Imphal
62.	Krishi Vigyan Kendra, Village Megare, P.O. Samanda, Distt. East Garo Hills, Meghalaya.	Central Agricultural University (CAU), Imphal
Mizoram		
63.	Krishi Vigyan Kendra, PO. Kolasib Distt. Kolasib-796081	Department of Agriculture, Govt. of Mizoram, Aizwal
64.	Krishi Vigyan Kendra, Hnathial, Distt. Lunglei-796701	Department of Agriculture, Govt. of Mizoram, Aizwal
65.	Krishi Vigyan Kendra, Khawzawl, Distt. Champhai	Department of Agriculture, Govt. of Mizoram, Aizwal
66.	Krishi Vigyan Kendra, Chhatla, Aizwal, Saiha, Distt. Chhimaipui-796001	Department of Agriculture, Govt. of Mizoram, Aizwal
67.	Krishi Vigyan Kendra, Sihtlangpuiam Chhung, Distt. Lawngtlai	Department of Agriculture, Govt. of Mizoram, Aizwal
68.	Krishi Vigyan Kendra, Lengpui, Distt. Mammi	Department of Agriculture, Govt. of Mizoram, Aizwal
69.	Krishi Vigyan Kendra, N. Vanlaiphai, Distt. Serchhip	Department of Agriculture, Govt. of Mizoram, Aizwal
70.	Krishi Vigyan Kendra, College of Vet. Sciences & Animal Husbandry, Distt. Aizwal-796007	Central Agricultural University (CAU), Imphal
Nagaland		
71.	Krishi Vigyan Kendra, Jharnapani, Distt. Dimapur-797 106	ICAR Research Complex for NEH Region, Umroi Road, Umiam (Meghalaya)
72.	Krishi Vigyan Kendra, Pfutsero, Phek, Pfutsero, Distt. Medziphema-797 106	ICAR- NRC on Mithun, Jharanapani, Medziphema
73.	Krishi Vigyan Kendra, KVK Yisemyong, SARS, P.Box No.23 Distt. Mokokchung -798601	Department of Agriculture, Govt. of Nagaland, Kohima
74.	Krishi Vigyan Kendra, Lumami, Distt. Zunheboto-	Nagaland Universty, Lumami Camp, Kohima

75.	Krishi Vigyan Kendra, Tesophenyu, Distt. Kohima	Department of Agriculture, Govt. of Nagaland, Kohima
76.	Krishi Vigyan Kendra, Kuthur Seed Farm, Distt. Tuensang-	Department of Agriculture, Govt. of Nagaland, Kohima
77.	Krishi Vigyan Kendra, Aboi, Distt. Mon-	Department of Agriculture, Govt. of Nagaland, Kohima
78.	Krishi Vigyan Kendra, Longasachung Village at Satsuphen, Distt. Wokha	ICAR Reseach Complex for NEH Region, Umroi Road, Umiam, Meghalaya.
79.	Krishi Vigyan Kendra, Naga Kaho Junction, Hukphang Vill. Distt. Longleng (Nagaland)	ICAR Research Complex for NEH Region, Umroi Road, Umiam , (Meghalaya)
80.	Krishi Vigyan Kendra, Village Jalukie Town, Distt. Peran, Nagaland	ICAR Research Complex for NEH Region, Umroi Road, Umiam (Meghalaya)
81.	Krishi Vigyan Kendra, Longtroktrok, Distt. Kiphire, Nagaland	ICAR Research Complex for NEH Region, Umroi Road, Umiam -793103 (Meghalaya)
Tripura		
82.	Krishi Vigyan Kendra, Divyodaya, Chebri, Distt. Khowai, Tripura-799207	Sri Ramkrishna Seva Kendra, 23, R.N. Mukherjee Road, Kolkata
83.	Krishi Vigyan Kendra, Birchandra Manu, Manpathar Distt. South Tripura-799 144	ICAR Research Complex for NEH Region, Umroi Road, Umiam (Meghalaya)
84.	Krishi Vigyan Kendra, Salema Model Orchard (Farm), Distt. Dhalai-	Director, of Agriculture ,State Department of Agriculture, Govt. of Tripura, Agartala , West Tripura
85.	Krishi Vigyan Kendra, Panisagar Progeny Orchard, Distt. North Tripura-	Director of Agriculture, State Department of Agriculture, Govt. of Tripura, Agartala
86.	Krishi Vigyan Kendra, Vill. Belbari-T.C.O., Jirnia at Champaknagar Town, Distt. West Tripura, Tripura.	ICAR Research Complex for NEH Region, Umroi Road, Umiam (Meghalaya)
87.	Krishi Vigyan Kendra, Rangkang Farm, Amarpur, Distt. Gomati, Tripura	Director, of Agriculture, Department of Agriculture, Govt. of Tripura, Agartala, West Tripura.
88.	Krishi Vigyan Kendra, Chantail Orchard, Kailasahar, Distt. Unakoti, Tripura	Director, of Agriculture Department of Agriculture, Govt. of Tripura, Agartala, West Tripura
89.	Krishi Vigyan Kendra, Village Latiacharra under Bishramganj, P.S. Jampuijala sub-division, Distt. Sepahijala, Tripura.	Central Agricultural University, Lamphelpat, Imphal, Manipur-795 004.

Number of New Improved Varieties of crops & Horticultural Crops developed in the North Eastern Region during 2014-19 (Till Date)

State	Crop Group varieties 2014-2019	
Arunachal Pradesh	•	Cereals: 27
	•	Oilseeds: 2
	•	Pulses: 2
	•	Forages: 2
	•	Fibres: 3
	•	Sugarcane: -
	Total:	36
Assam	•	Cereals: 54
	•	Oilseeds: 7
	•	Pulses: 7
	•	Forages : 9
	•	Fibres: 15
	•	Sugarcane: 5
	Total:	97
Manipur	•	Cereals: 40
	•	Oilseeds: 6
	•	Pulses: 8
	•	Forages: 6
	•	Fibres: 4
	•	Sugarcane: 0
	Total:	64
Meghalaya	•	Cereals: 40
	•	Oilseeds: 3
	•	Pulses: 2
	•	Forages: 3
	•	Fibres: 4
	•	Sugarcane: 0
	Total:	52
Mizoram	•	Cereals: 29
	•	Oilseeds: 1
	•	Pulses: 3
	•	Forages: 3
	•	Fibres: 4
	•	Sugarcane: 0
	Total:	40
Nagaland	•	Cereals: 34
	•	Oilseeds: 3
	•	Pulses: 2
	•	Forages: 3
	•	Fibres: 1
	•	Sugarcane: 0
	Total:	43

Sikkim	•	Cereals: 28
	•	Oilseeds: 2
	•	Pulses: 2
	•	Forages: 3
	•	Fibres: 2
	•	Sugarcane: 0
	Total:	37
Tripura	•	Cereals: 47
	•	Oilseeds: 4
	•	Pulses: 9
	•	Forages: 3
	•	Fibres: 6
	•	Sugarcane: 0
	Total:	69
Overall Total	438	
Varieties of Horticultural Crops developed for the region during the last 5.5 years:	<p><u>Tuber Crops:</u></p> <ul style="list-style-type: none"> • Potato Hybrid Kufri Karan tolerant to late blight and 6 viruses • Elephant Foot Yam Tripura Yam Batema (TRC Badama) <p><u>Fruit Crops:</u></p> <ul style="list-style-type: none"> • Pineapple-Tripura Ananas (PQM1) • Papaya- Tripura Papita (RCTP1) • Guava- Megha Supreme (RCGH-1) • Guava-Megha Magneta (RCGH-4) • Guava-Megha Seedless (RCG-11) • Guava-Megha Wonder (RCGH-7) • Cocoa -Netra Centura • Arecanut -Nalbari <p><u>Orchid varieties:</u></p> <ul style="list-style-type: none"> • B. S. Basnet (Cymbidium) • V. Nagaraju Dendrobium • Kunga Gyatso Aranda • Sheetal 1 & 2 Paphiopedilum 	

Details of different farmers' centric activities undertaken in the North Eastern Region by ICAR during 2014-15 to 2018-19		
Name of Activity	Unit	Total
1. Seed of improved varieties produced & distributed among farmers	Tonnes	14,599
2. Planting material produced & distributed	Lakhs	156.48
3. Live-stock strains and finger lings produced	Lakhs	44.18
4. On- farm trials conducted	Number	24,748
5. Frontline demonstrations conducted	Number	57,891
6. Farmers trained	Number	5,63,000
7. Extension Personnel trained	Number	35,825
8. Participants in extension activities	Lakhs	23.25
9. Soil, water, plant, manures samples tested	Lakhs	2.63
10. Mobile agro- advisory provided to farmers	Lakhs	39.64
