

**MINUTES OF THE NATIONAL CONFERENCE ON AGRICULTURE FOR
ZAID / SUMMER CAMPAIGN-2019**

The National Conference on Agriculture for zaid/summer campaign - 2019 was held on 24th January, 2019 at NASC complex (PUSA), New Delhi. This is the first time that a separate conference for Zaid/summer crops apart from regular Annual kharif/rabi Conferences has been organized by this Department. The Conference was inaugurated by Shri Parshottam Rupala, Hon'ble Minister of State for Agriculture and Farmers Welfare. The Conference was attended by senior officers from agriculture and allied sectors from State/UT Governments, senior scientists and officials from Ministries /Department. List of participants are at **Annexure-I.**

2. In her opening remarks, Ms. Vasudha Mishra, Additional Secretary, Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW), welcomed the participants in the 1st ever zaid/ summer campaign and apprised them about the importance of the same for the Indian Agriculture. The Additional Secretary (DAC&FW) provided a snapshot of the campaign, which, inter alia consisted of deliberations on technical/specific aspects imperative to zaid/summer season.

3. Shri, Sanjay Agrawal, Secretary, Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW) briefed the participants about the initiatives taken by the Ministry for doubling farmer's incomes by 2022. He stressed regarding the need to optimize the resources for better output during Zaid/Summer season. Secretary (DAC&FW) informed the participants that at present around 45 lakh hectare area is covered under Zaid season, which can be increased to 70 lakh hectare by undertaking concerted and coordinated actions to increase both agriculture production & productivity, reducing post-harvest losses and thereby ensuring remunerative prices for produce. Additional production of 5 million tonnes of coarse grain/oilseeds/pulses could be achieved by following appropriate strategy and further by growing legumes crops the fertility of the soil could also be increased. He also emphasised that the recently approved export policy could help in getting more value of produce to the farmers.

4. Shri Parshottam Rupala, Hon'ble Minister of State (MoS) for Agriculture and Farmers Welfare congratulated this Department for organizing a stand alone conference for zaid/summer crops for the first time. Hon'ble Minister thanked the officers of this

Department, Agricultural Scientists of ICAR and above all to farmers for record production of foodgrains in the current year including record production of pulses achieved which has made the country self-sufficient in pulses. He informed that a successful zaid/summer season depends, inter alia, on water management and protecting produce from wild animals and therefore impressed on the need to deliberate and develop efficacious strategies for micro-irrigation and protection of produce from wild animals. He elaborated regarding the need for concerted and coordinated efforts for increasing organic farming. These conferences are an important forum to share success stories across the country. The success stories are to be disseminated and given currency for better dissemination of technology and good agricultural practices. The success stories may be taken up by the representatives of states for replication in a focussed and time-bound manner. Hon'ble Minister pointed out that in his recent visit to Amreli District, the Health Department officials of the state showed and demonstrated a data base of the house no., pregnant women beneficiaries and number of children to be vaccinated, maintained by them for effective implementation of the relevant schemes. He suggested that in a similar way the officials of the Agriculture Department of the States by employing technology may prepare field wise land maps for depicted real time data.

5. Agriculture Commissioner, DAC&FW, made a detailed presentation on the prospects of crop production in zaid/summer crops. He informed the representatives of the State regarding the necessity of growing summer crops despite the short span of zaid season. He requested the representatives of the States to send their action plans for summer crops and to take steps for targeting more rice-fallow areas, additional area coverage under NFSM pulses, inter cropping in oilseed/pulses/sugarcane etc. Timely arrangement for inputs should be made and further integrated pest management practices should be adopted for better crop prospects. He informed the house that on the request of the Government of India, Food and Agricultural Organization (FAO) has accepted to organize 'International Year of Millets' in the year 2023.

6. Joint Secretaries/Agricultural Scientists/experts made separate presentations on identified topics viz., Irrigation potential for zaid/summer and water saving technologies through PMKSY; Protection of zaid/summer crops from open grazing/stray animals; Critical inputs for productivity enhancement of zaid/summer crops; Promoting Organic Farming through PKVY; Ensuring remunerative prices to farmers for their produce through PM- AASHA; New marketing initiatives and post harvest infrastructure; Trade and Export Policy for Agriculture products and Public Finance Management System(PFMS). Thereafter, representatives of the State Governments of Uttar Pradesh, Karnataka, Tamil Nadu and Bihar

made presentations regarding initiatives taken /issues involved in zaid/summer season. All these presentations made by the concerned officers of this Ministry/representative of State Governments have been uploaded on the website of this Department (www.agricoop.nic.in).

7. The issues raised by the State Governments of Uttar Pradesh, Karnataka, Tamil Nadu and Bihar have been tabulated at **Annexure-II**. After presentations by representatives of the State Governments, an open house discussion on various important aspects of zaid season was held. The deliberations and decision taken thereon have been indicated in **Annexure-III**.

8. Secretary, Department of Agriculture, Cooperation and Farmers Welfare in his concluding remarks requested the State Governments to send district-wise plans for zaid/summer conference at the earliest and exhorted the States to conduct awareness programmes in this regard. He urged State Governments to take concerted efforts for providing efficiency in irrigation. He requested the State Governments to sign MoU with NABARD for assistance under micro-irrigation and to use the remote sensing facility. States should also make efforts to take the benefit of recent export initiative taken by the Government and requested the State Governments to send their feedback on the custom hiring of Agriculture mechanics.

The meeting ended with vote of thanks by Dr. S. K. Malhotra, Agriculture Commissioner.

**List of Participants in the National Conference on Agriculture
for Zaid/Summer Campaign-2019 held on 24th January, 2019
at Pusa, New Delhi**

MINISTRY OF AGRICULTURE & FARMERS WELFARE

1. Shri Parshottam Rupala, Hon'ble MoS
2. Sh. Sanjay Aggarwal, Secretary (DAC&FW)
3. Sh. Chhabilendra Roul, Secretary (Fertilizer)

DEPARTMENT OF AGRICULTURE, COOPERATION & FARMERS WELFARE

1. Smt. Vasudha Mishra, Addl. Secretary, DAC&FW
2. Sh. B. Pradhan, AS & FA, DAC&FW
3. Dr. S. K. Malhotra, Agriculture Commissioner, DAC&FW
4. Dr. Tarsem Chand, JS(Admn.), DAC&FW
5. Sh. P.K. Swain, JS (Marketing), DAC&FW
6. Smt. Chhavi Jha, JS(RKVY), DAC&FW
7. Smt. A. Neeraja, JS(INM), DAC&FW
8. Sh. R. S. Panwar, JS(RFS), DAC&FW
9. Dr. Ashish K. Bhutani, [JS(Credit & CEO(PMFBY))]
10. Dr. Alka Bhargava, JS(NRM)
11. Sh. Dinesh Kumar, JS(MIDH)
12. Sh. Ashwani Kumar, JS(Seeds & M&T)
13. Sh. Atish Chandra, JS (Extension & PP)
14. Sh. Gurveen Sidhu, JS, D/o Fertilizers
15. Sh. Debi Prosad Mohapatra, Trade Advisor, DAC&FW
16. Sh. S. K. Chadha, Mkt. Advisor(NAFED)
17. T. Janakiram, ADG(HS)
18. Sh. A. Aggarwal, MD, DAC&FW
19. Dr. P.K. Chakraborti, ADG(PP), ICAR
20. Sh. Vijay Rajmohan, Director (Trade)
21. Dr. M.K. Srivastav, Director, DAC&FW
22. Sh. H. Negi, Director
23. Ms. Tulika Dabroth, TD, NIC
24. Smt. Mala Mittal, STD, NIC
25. Sh. K. R. Meena, Director(CPC), DAC&FW
26. Dr. B.K. Yadav, ADC, DAC&FW
27. Sh. V. N. Kale, ADC(M&T), DAC&FW
28. Dr. Anupam Barik, ADC(Crops), DAC&FW
29. Sh. Sushil Kumar, ADC, DAC&FW
30. Dr. S. S. Tomar, ADC(Crops), DAC&FW
31. Sh. M. L Atal, DS, DAC&FW
32. Sh. Sudhir Kumar, DS, DAC&FW
33. Sh. Madan Lal Atal, DS, DAC&FW
34. Sh. Raj Kumar, DS(GC), DAC&FW
35. Smt. Rajni Taneja, DS(INM), DAC&FW

36. Smt. Gurpreet Dadhok, DS(M&T) DAC&FW
37. Dr. M. N. Singh, DC, DAC&FW
38. Sh. Sanjay Kumar, DC(MIDH), DAC&FW
39. Sh. Rahul Singh, DD, DAC&FW
40. Dr. Ramanand, DC, DAC&FW
41. Sh. C. R. Lohi, DC, DAC&FW
42. Sh. C.R. Lohi, DC (M&T)
43. Sh. Vishal Gupta, Mkt. Director
44. Sh. Vinit Verma, DC (PC/Policy), DAC&FW
45. Sh. M. N. Singh, Dy. Commr. DAC&FW
46. Dr. V. S. Pahil. NC(NFSM), DAC&FW
47. Sh. S. Selvaraj, Consultant (Seeds), DAC&FW
48. Dr. P.K. Saha, NC, DAC&FW
49. Sh.T. K. Ghosh, NC, DAC&FW
50. Sh. M. Dutta, NC (NFSM), DAC&FW
51. Sh. S. K. Dalal, NC (NFSM), DAC&FW
52. Sh. Shamsher Singh, NC(NFSM), DAC&FW
53. Smt. Pushpa Kain, US, DAC&FW
54. Sh. Anand Krishan, JD(RKVY), DAC&FW
55. Dr. J.P. Sharma, Jt. Director
56. Sh. K. K. Das, JD, DAC&FW
57. Sh. Brijesh Godra, US (Admn.), DAC&FW
58. Sh. V. K. Srivastava, US, DAC&FW
59. Sh. B. K. Joshi, Dy. AMA
60. Sh. Ram Naresh, US(GC), DAC&FW
61. Sh A. K. Jha, US(Seeds), DAC&FW
62. Sh. Shekhar Bose, US, DAC&FW
63. Sh. V. K. Shrivastava, US, DAC&FW
64. Sh. Harit Kumar Shakya, US, DAC&FW
65. Sh. K. C. Sahu, GM
66. Sh. S. Relan, GM
67. Sh. T.P. Singh, AC(OS), DAC&FW
68. Sh. Ram Sanehi AC, DAC&FW
69. Sh. Jitendra Kumar, AD(OS), DAC&FW
70. Sh. Ashok Kumar Singh, AC, DAC&FW
71. Dr. Manoj Sharma, AD(NFSM)
72. Dr. Rajesh Kumar Singh AD(Seeds), DAC&FW
73. Sh. P. K. Chopra, AC, DAC&FW
74. Sh. Binod Giri, AC, DAC&FW
75. Sh. T. P. Singh, AC, DAC&FW
76. Dr. Maan Singh, AC (NRM), DAC&FW
77. Dr. L. R. Buldak DMD, DAC&FW
78. Sh. Bijesh Maharana, Marketing Officer
79. Dr. D. M. Govind Reddy, Dy, AMA, DAC&FW
80. Sh. Vedpal Singh, AD (CDB)
81. Sh. Ashok Kumar Singh, AD (NFSM), DAC&FW
82. Smt. G. Sandhyarani, AD (NFSM)
83. Sh. S. S. Kagi, Dte. of OS
84. Sh. Jitendra Kumar (OS), DAC&FW
85. Sh. M. Gunasekharan, AC(Seeds), DAC&FW

86. Sh. Bapi Mukharjee, TA (NFSM), DAC&FW
87. Sh. Sanjeev Singh, SO(GC), DAC&FW
88. Sh. G. L. Madan, Consultant (PC), DAC&FW
89. Sh. Swarnendu Singha, SO(MIDH), DAC&FW
90. Sh. Anoop Kumar, ASO(GC), DAC&FW
91. Smt. Sunita Gularia, ASO(GC)
92. Smt. Niti Sukhija, ASO
93. Smt. Jasbir Kaur, ASO(PC)
94. Sh. Amar Singh, TA, DAC&WF
95. Sh. M. Thangaraj, DAC&FW
96. Sh. S. Pallear, SI
97. Sh. Rohit Kumar, DAC&FW
98. Dr. Brijesh, STA, DAC&FW
99. Sh. Rishav Srivastava, STA, NIC
100. Sh. Ambanna P. STA (Crops), DAC&FW
101. Sh. Kamlesh Kumar Tripathi, MOPR
102. Sh. Sonu Kumar, ASO, MOPR
103. Sh. P.K. Chopra, DAC&FW
104. Sh. B. S. Patil, DAC&FW
105. Sh. D. K. Yadav, (Crops), DAC&FW
106. Sh. R. N. Verma, (NFSM), DAC&FW
107. Sh. B. K. Joshi, Dy AMA, DAC&FW
108. Sh. A. L. Maurya, SMO, DAC&FW
109. Sh. L. K. Singh, DMI
110. Sh. G.P. Singh, NIC, DAC&FW
111. Sh. Swarnendu Singha, SO(SP), DAC&FW
112. Dr. Deepak Kumar, STA(Crops)
113. Sh. R. N. Verma, TA(NFSM)
114. Sh. Sidharth Tripathi, TA, NFSM
115. Dr. S. K. Yadav, STA, DAC&FW
116. Smt. A. Lakshmi V., STA, DAC&FW
117. Sh. A.K. Chaudhary, EA, DAC&FW
118. Sh. B. S. Patil, STA (Crops), DAC&FW
119. Sh. Bhupender Singh, TA (NFSM), DAC&FW
120. Sh. Ambanna P, STA, DAC&FW
121. Sh. R. P. Meena, STA(Seeds), DAC&FW
122. Sh. Prem Saini, STA(Seeds), DAC&FW
123. Smt. Rajni, Assistant(NFSM), DAC&FW
124. Sh. Ashwani Kumar, TA, DAC&FW
125. Sh. S.K. Verma ED, NAFED
126. Sh. Vijay Kumar, STA(NFSM)
127. Sh. Shyoram, STA(NFSM)
128. Sh. Manmohan Singh, ASO, DAC&FW
129. Dr. Nikunj Tyagi, TA(Crops)
130. Smt. S. Madhavan, PS
131. Dr. Huma Negi, RA(DAC)
132. Ms. Parul, IT, DAC&FW
133. Sh. Gaurav Chaudhary, TA, DAC&FW
134. Sh. L. K. Singh, ASO, DAC&FW
135. Smt. Anjali Thakur, STA(NFSM), DAC&FW

136. Smt. Sapna Kumari, Steno(NFSM), DAC&FW
137. Sh. Ashutosh Srivastav, DAC&FW
138. Sh. Prathvi Nath, TO
139. Sh. Satendra Singh, PA

ICAR

1. Dr. Rajan, Pr. Scientist

DOD

1. Sh. Bipul Kumar Srivastava, Director
2. Sh. S. S. Kagi, Assistant Director

KRIBHCO

1. Sharwan Kumar, Sr. Manager
2. Sh. N. K. Bhadesh (GM(M))

NCDC

1. Sh. Robert H. Touthang, DD(SB)

NSC

1. Sh. Kuldeep Singh, Sr.GM(P)
2. Sh. Deepak Rastogi, GM

SFAC

1. Sh. Subhash Zadio, T. L.

STATES & UTs

ARUNACHAL PRADESH

1. Sh. S.K. Ram, Asst. Director (Agri)
2. Mr. Okit Palling, ADO(Wet)

ANDAMAN & NICOBAR ISLANDS

1. Sh. M.K. Srivastava, Statistics

ANDHRA PRADESH

1. Sh. V. Jaya Kumar, State Nodal Director
2. Mohd. Israr Ahmed, Director
3. Mr.G. Vinai Chand, Additional Director of Agriculture

BIHAR

1. Shri Ram Prakash Sahani, Jt. Director(Agri)
2. Sh. Sushil Kumar, DD

CHHATTISGARH

1. Sh. M.S. Swami, Additional Managing Director
2. Sh. R.K.Chandravanshi, JD (Agri)

GUJARAT

1. Sh. Nitin Shukla, DD(Agri)
2. Sh. Mukesh Parmar, DD(Agri)

HIMACHAL PRADESH

1. Dr. R. Dhananjai Rakesh, District Agri. Officer
2. Sh. Daulat Ram Raja, JDA
3. Dr. Umanu Bhardwaj, Development Officer (Horti)

JHARKHAND

1. Dr. M. S. A. Mahalingam Shiva, Director

KARNATAKA

1. Sh. Divakara, Additional, Director
2. Sh. B. Shivaraju, ADC(CDP)
3. Sh. B.M. Sahare, AD(Agri)
4. Sh. Divakara M. S. AD(Agri)
5. Sh. K. Ramappa, AD (Agri)

MADHYA PRADESH

1. Sh. A. K. Tiwari, Director
2. Sh. G.S Chouhu, JDA (Agri)
3. B. M. Sahare, AD(Agri)

MAHARASHTRA

1. Sh. P. D. Siqedar, DDA

ODISHA

1. Sh. Satyanarayan, Director (Image)
2. Dr. Tripathi, Agronomist(Fert)
3. Dr. Akshay Kumar NMS(Plan)
4. Sh. T. Pradhan, RCS, Odisha

RAJASTHAN

1. Sh. R. D. Singh, JD(Agri)
2. Sh. Davendar Chaudhary, JDA
3. Sh. B. S. Rathor, JD (Agri)
4. Sh. K. C. Meena, JD(NMOOP)

SIKKIM

1. Sh. Jagdish Prakash AD, (Agri)

TAMIL NADU

1. Sh. T. Karthikeyan, JDA(SS)
2. Sh. Selavarajan, DD(Agri)
3. Sh. M Asokan, DD(Agri)

UTTAR PRADESH

1. Sh., Suraj Singh, Director(Agri)
2. Dr. O. P. Pandey, JDA(FP)
3. Dr. Atal Kumar Singh, JD(Horti)
4. Dr. B. P. Singh, AD(Agri)
5. Dr. Rakesh Kumar, DD(Agri)
6. Sh. Jagdish Pradhan, AD
7. Dr. NLM Tripathi Nodal Officer
8. Dr. S. K. Divedi, AD(AH)

UTTRAKHAND

1. Sh. Gauri Shankar, Director
2. Sh. Divesh Kumar, JD(Agri)
3. Sh. A. K. Upadhyay, JD(Agri)

WEST BENGAL

1. Mr. Naveen Prakash, ACS
2. Dr. Virendra Singh, Director
3. Sh. Narendra Kumar, Director
4. Sh. Ranjan Kumar, JDA
5. Sh. Pradip Kumar Mandal, JD(Extn.)

PRESS

1. Sh. Hemant, Video Assitatnt, DD Kisan
2. Sh. Sunil Rana, Cameraman, DD News
3. Sh. Ankit Agarwal, Camera Assistant, Doordarshan
4. Sh. Anand Kumar, DD News
5. Sh. Jagpal, Cameraman
6. Sh. Ajay Yadav, Cameraman, DD Kisan
7. Sh. R. C. Shukla, PIB
8. Sh. Nishant Kaushik, Stenographer (PIB)
9. Sh. B. K. Gupta, DD Kisan
10. Sh. Nimish Gangrade, Press
11. Sh. G. S. Saini, Executive Eitor Krishi Jagran
12. Sh. Hitesh Rawat, NSD :AIR

The issues raised by the State Governments of Uttar Pradesh, Karnataka, Tamil Nadu and Bihar:

Uttar Pradesh:

- Major problem for losses of zaid/summer season crop are due to open grazing / stray animals. The problems may be overcome by putting scare crows in the pulses field ; surround glittering /shining trap around the field; use barbed wire /plastic fencing/solar fencing with government assistance; use of natural repellents like garlic, fish, chilli emulsion and through use of bio-physical barriers by fencing of bamboo sticks / subabul tree / karaunda plant etc.
- Area enhancement under coarse cereals, pulses, oilseeds, fodder, vegetables and mentha may be made by making sufficient availability of hybrid seed of maize and bajra; an adequate seed availability of HYV of urd, moong, groundnut, fodder and vegetable crops; high value vegetable cultivation under poly house /shed net and 80-90 per cent of subsidy on micro- irrigation system.
- Inter-cropping of pulses may be made with spring planted sugarcane.
- There is a need to undertake pre-manuring programme for enhancement of the organic carbon /humus in soil.
- Promotion of agriculture implements for summer/deep ploughing by additional subsidy on MB Plough/Reversible MB plough/disc Harrow/Disc Plough/Chiseler/Chisel Plough.

Bihar :

- Area for summer moong, maize and boro rice need to be enhanced
- Efforts may be made to increase the area of summer moong as it reduces the requirement of fertilizer and improves the fertility and productivity of the soil.
- Cultivation of summer maize may be beneficial to the farmers as it is exported and therefore may increase the income of farmers.
- In Flooded parts of Bihar, boro rice may be grown for food security of that region.

Karnataka :

- There is a need to encourage pulses production in rice fallow areas under NFSM programme through demonstration.
- There is a need to enhance pulses production through sugarcane-pulse inter-cropping.
- Demonstrations on improved practices for ground nut may be given.
- Timely distribution of inputs like certified seeds, gypsum, micro-nutrients, PP chemicals, PP equipments, biofertilizers and weedicides should be ensured.
- Area expansion through demonstration need to be encouraged for nutri-cereals like ragi and jowar and publicity and awareness may be undertaken.

Tamil Nadu:

- Mission on sustainable dry land agriculture implemented in the State since 2016-17 through base line survey, farmers clubs, capacity building, water harvesting structure, use of value addition machineries and animal husbandry activities, increase the area of millet, pulses and oilseeds. Similar activities need to be adopted by the concerned States.
- There is a need for organizing small and marginal farmers in to groups for promoting better adoption of technology, facilitate effect forward and backward linkages and credit mobilization.
- Formation of farmers interest groups, farmers producers groups and farmers producers organizations should be encouraged.
- Success stories of farmers pertaining to green gram and ground nut production in Tamil Nadu State may be adopted by other State Governments/agencies.

The deliberations and decision taken during the open house discussion :

i. Uttar Pradesh (UP)

- a. The supply of the urea is deficient and may be increased. In response to which, the Secretary, Department of Fertilizers , informed that the matter will be looked into and will be taken care of. The Secretary, Department of Fertilizers, impressed upon the need to analyse fertiliser demand considering the increase in targeted area so that adequate supply of fertilizers can be ensured.
- b. To tackle problem of wild/stray animals destroying agriculture produce, area for forest and fodder may be increased. In addition, fodder seeds may be given in Mini-Kits and NGOs should be involved in the development of gochar bhoomi. The representative of State Government were asked to send proposal for assistance required from Government of India to tackle the problem of wild/stray animals.

ii. Rajasthan

Protection of agriculture produce from wild/stray animals may be included as a component in RKVY. In response, JS (RKVY) informed that RKVY already has fodder and fencing components under which financial assistance is provided to the States.

iii. Chhattisgarh

- a. Panchayats should be involved in development of grameen hat /bazaar GRAMs related works. In response, the Secretary (DAC&FW) informed that the State may get the work done by any agency, however the finances are to be utilised for infrastructure works only.
- b. Cold Storage/Silos are privately owned and therefore leads to litigation, if they are sub-let.

iv. Maharashtra

Promoting Dual purpose variety of fodder and fodder seeds. JS (Seeds) has requested that breeder seed of bersam available with ICAR/CAUs/SAUs may be multiplied as per requirement.

v. Karnataka

Financial assistance for large scale demonstration of zaid crops may be provided. In response, it was informed that financial assistance is already provided by the Department, the State needs to communicated plan under NFSM Scheme.

vi. Bihar

Representative of Bihar intimated that 277 blocks of the state are drought affected and assistance to these blocks may be given.
