

**Proceeding of Virtual Training Program on Cluster Front Line
Demonstrations-Oilseeds under NFSM (5-6th March, 2021) at ICAR-ATARI,
ZONE-II, Jodhpur**

A two-days virtual training program on Oilseeds Production Technology for Nodal Officers of KVKs of Rajasthan, Haryana, and Delhi states under the National Food Security Mission (NFSM) was organized during 5-6th March 2021 at ICAR-ATARI, Jodhpur. Dr. S.K. Singh, Director, ICAR-ATARI, Jodhpur, briefly described the status of area, production & productivity of major oilseed crops of the Rajasthan, Haryana & India. He briefly narrated the oilseeds' progress inception of Technology Mission on Oilseeds (TMO), ISOPOM, NMOOP, NFSM, etc., intending to achieve self-sufficiency in oilseed production. He stated that India can produce only 40% of the country's demand and spending more than 75000 cores on importing edible oil. He also emphasized upon that Indians are consuming vegetable oil more than recommended. He mentioned that network of 600 KVKs are playing a crucial role in showing potentials of technological packages of oilseeds crops in different farming situations through conductance of Cluster Front Line Demonstrations on Oilseeds. Currently more than 600 KVKs of the country including 63 KVKs of Zone-II, Jodhpur are actively involved in conductance of CFLDs on Oilseeds under NFSM to upscale technologies through participatory planning, re-systemizing technological packages and assessing gaps between recommended practices and farmer practices. He also mentioned Doubling the Farmers Income by 2022, in which diversification and intensification should be taken up through crop rotation, leading to cost reduction and one district one product. He also emphasized upon concept for enhancing farmers' income in the different farming environments. All KVKs of Zone-II, Jodhpur, participated and presented the progress of KVKs and future strategies to implement the project. The resource persons from DGR, Junagarh, DRMR, Bharatpur, and IISR, Indore, delivered interactive lectures for Nodal Scientists of KVKs.

(Day-1: 5th March 2021)

Technical session	
Chairman	Dr. S. K. Singh, Director, ATARI, Zone-II, Jodhpur
Co-Chairman	Dr. S.K. Sharma, DEE, SKRAU, Bikaner
Convener	Dr. M. S. Meena, PS (AE), ATARI, Zone-II, Jodhpur
Rapporteurs	1. Dr. Dheeraj Singh, PC, KVK, Pali 2. Dr. Sushil Sharma, PC, KVK, Alwar-II

The Senior Scientist & Head/Nodal officers of KVKs of below mentioned KVKs had presented the progress of Kharif-2020 & the status of Rabi-2020-21. The KVK wise suggestions/recommendations are as follows:

1. KVK, Rohtak

- i. Recommended doses of fertilizers should be emphasized for different situations.
- ii. The Source of potassium fertilizer needs to be mentioned.
- iii. The sulphur element plays a vital role in oilseed crops; therefore, it should be applied as per soil health card recommendations.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

2. KVK, Mahendergarh

- i. Field day should be a regular feature at a critical stage of crops.
- ii. The focus should be on critical stages evaluation of crops and correlated with weather data.
- iii. If the Blister beetle is damaging above the threshold level in a considerable area, it should be given attention.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

3. KVK, Bhiwani

- i. In addition to NPK, Biofertilizer supplementation should also be applied as critical inputs.
- ii. New molecules of chemicals should be incorporated in CFLDs instead of old molecules to manage insect pests.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

4. KVK, Hisar

- i. ICAR and university logo should be placed with the name of KVK in front of the KVK gate.
- ii. A compact cluster needs to be formed before the conductance of demonstrations.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

5. KVK, Faridabad

- i. The situation, resources, and history of the previous crop sown must be recorded.
- ii. Situation-specific training should be organized.
- iii. A greater emphasis should be given to lowering the high cost of insecticides. This cost can be reduced by implementing IPM practices.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

6. KVK, Yamunanagar

- i. The sources of supply of gypsum should be mentioned.
- ii. Since SSP contains both phosphorus and sulphur, hence, it should be used as a phosphorus source instead of DAP.
- iii. In CFLDs, performance indicators and farmers' perceptions must be included.
- iv. Because all of the recommendations are focused on soil and water analysis, it should be completed before conducting CFLDs.
- v. Farmers must maintain fact sheets for empowering them.
- vi. Field day must be organized at full swing stage.

7. KVK, Jhajjar

- i. CFLDs should be organized in cluster mode, and action photos need to be shared.
- ii. Situation-specific training should be organized.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

8. KVK, Kaithal

- i. Banner for CFLDs must be visible, and it should be prepared for every event.
- ii. Real-time data of CFLDs should be compared with the district average.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

9. KVK, Kurukshetra

- i. Banner for CFLDs must be visible and clear, and it should be prepared new for each event.
- ii. The situation-specific presentation needs to be prepared, and it should be presented.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

10. KVK, Jind

- i. Documentation of success stories based on performance CFLDs needs to be prepared on priority and documented.
- ii. All of the recommendations are focused on soil and water analysis. It should be completed before conducting CFLDs.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

11. KVK, Sirsa

- i. The potential yield needs to be mentioned.
- ii. The adoptions of new technologies depend on farmers' feedback; hence it should be taken frequently.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

12. KVK, Sonipat

- i. Banner for CFLDs must be visible and separate for every village.
- ii. CFLDs results must be correlated with the agro-meteorological observations.
- iii. Management of diseases & pests is required.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

13. KVK, Karnal

- i. In the CFLDs program diseases, resistant varieties should be used.
- ii. Define the current status of the mustard crop in the field at the time of harvesting.
- iii. The use of Mustard variety, i.e., CS-58, is a good variety that should be promoted on a large scale.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

14. KVK, Panipat

- i. Micro-nutrients incorporation in CFLDs must be explained.
- ii. The whole budget should be utilized as per norms.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

15. KVK, Gurugram

- i. A situation analysis should be presented in the results.
- ii. Crop productivity must be correlated to weather information.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

16. KVK, Ambala

- i. CFLDs banner should be visible and separate for each village.
- ii. For comparison with CFLD results, average district data must be included.
- iii. Situation wise critical inputs need to be applied.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

17. KVK, Rewari

- i. Verification of seed rate for improved varieties is required.
- ii. Sesame has a high market price as compared to MSP.
- iii. The cost of inputs must be written in detail.
- iv. The flora of weeds must be explained.
- v. Farmers must maintain fact sheets to empower them.
- vi. Field day must be organized at full swing stage.

18. KVK, Delhi

- i. Crop productivity must be correlated to weather information.
- ii. The presentation should be more focused on the perceptions/feedback of farmers.
- iii. The cost of critical inputs must be rationalized.
- iv. Farmers must maintain a fact sheet for empowering them.
- v. Field day must be organized at full swing stage.

19. KVK, Bhilwara-I

- i. The banner should be strategically positioned in the field.
- ii. A well-planned cluster is critical; hence it should be assessed before implementation of CFLDs.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

20. KVK, Bhilwara-II

- i. A well-planned cluster is critical, and it should be assessed prior to the implementation of CFLDs.
- ii. The banner should be strategically positioned in the fields.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

21. KVK, Pratapgarh

- i. The date of harvesting, as well as the variety, should be introduced into the research scheme.
- ii. All of the recommendations must be focused on soil and water analysis; hence testing should be completed before conducting CFLDs.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

Day-2: 6th March 2021

Technical session – I	
Chairman	Dr. S.K. Sharma, DEE, SKRAU, Bikaner
Co-Chairman	Dr. S. K. Jain, DEE, AU, Kota
Convener	Dr. H. N. Meena, SS (Agronomy), ATARI, Zone-II, Jodhpur
Rapporteurs	1. Dr. Ramesh Kumar, KVK, Mahendergarh 2. Dr. V. K. Saini, KVK Churu-I 3. Dr. B. L. Roat, KVK, Dungarpur

22. KVK, Pali

- i. Orobanche management practices in Mustard should be re-evaluated.
- ii. Situation-specific technological packages need to be demonstrated.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

23. KVK, Jodhpur

- i. The Source of nitrogen and phosphorus in Mustard CFLDs should be mentioned.
- ii. Prepare separate banners for each event.
- iii. Participation of all SMSs is essential in a field event.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

24. KVK, Bikaner-I

- i. The cost of the cultivation of oilseeds should be recalculated.
- ii. The feedback of the farmer should be mentioned in the report.
- iii. Place the field banner in the right place, which is visible to villagers.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

25. KVK, Jhunjhunu

- i. The number of mustard pods and branches should be specified.
- ii. A quantitative observation is required.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

26. KVK, Jaisalmer-I

- i. The year-wise crop production and productivity data should be presented.
- ii. The banner and boards of CFLDs should be properly installed.
- iii. Realistic information needs to be presented.
- iv. Farmers must maintain fact sheets to empower them.

- v. Field day must be organized at full swing stage.

27. KVK, Sriganganagar

- i. Good photographs should be used in the presentation with the board and banner.
- ii. Preparation of separate banner for all field event
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

28. KVK, Bikaner-II

- i. Good quality photographs should be used during presentations.
- ii. Proper weed management needs to be followed.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

29. KVK, Jaisalmer-II

- i. The reasons for the lower crop yield should be explained.
- ii. Gap analysis needs to be re-evaluated.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

30. KVK, Churu-II

- i. Groundnut seed rate should be re-checked.
- ii. Mustard seed should be treated with Imidacloprid.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

31. KVK, Sikar

- i. In Mustard, CFLDs guidelines should be followed, and per demo, plot size should be clearly stated.
- ii. Crop cutting information should be followed.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

32. KVK, Bharatpur

- i. Crop cutting information should be followed.
- ii. Gap analysis needs to be re-evaluated.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

33. KVK, Dausa

- i. Gap analysis needs to be re-evaluated.
- ii. Good quality photographs need to be presented, and the banner should be labeled appropriately.
- iii. Cover the whole district in the CFLDs.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

34. KVK, Ajmer

- i. A gap analysis should be presented.
- ii. CFLDs guidelines in the right spirit must be followed.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

35. KVK, Alwar-I

- i. Good photographs should be used in the presentation.
- ii. Install the boards in each cluster.
- iii. A crop cutting experiment should be followed.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

36. KVK, Dholpur

- i. A crop cutting experiment should be followed.
- ii. Re-check the data on demonstration yield and potential yields of demonstrated variety.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

37. KVK, Jaipur-II

- i. Rationalized the utilization of funds in CFLDs.
- ii. Farmers must maintain fact sheets for empowering them.
- iii. Field day must be organized at full swing stage.

38. KVK, Sawai Madhopur

- i. CFLDs should be performed in rotation at various locations with adequate gap analysis.
- ii. All the clusters must be covered under CFLDs.
- iii. Farmers must maintain a fact sheet for empowering them.
- iv. Field day must be organized at full swing stage.

39. KVK, Karauli

- i. Gap analysis and seed treatment should be followed.
- ii. Leave the villages nearby the KVK, and those are repeatedly adopted.
- iii. Cover the whole village and put boards in each cluster
- iv. Good quality photographs need to be presented and a separate banner for each event.
- v. Farmers must maintain a fact sheet for empowering them.
- vi. Field day must be organized at full swing stage.

40. KVK, Kota

- i. Gap analysis needs to be re-evaluated.
- ii. A crop cutting experiment should be followed.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

41. KVK, Bundi

- i. Net return per unit area in soybean should be recalculated.
- ii. Farmers must maintain fact sheets for empowering them.
- iii. Field day must be organized at full swing stage.

42. KVK, Jhalawar

- i. Fertilizers like potassium should be used based on the soil test.
- ii. Farmers must maintain fact sheets for empowering them.
- iii. Field day must be organized at full swing stage.

43. KVK, Baran

- i. Fund utilization must be rationalized.
- ii. Need to send timely reports to ATARI, Jodhpur regarding monitoring of CFLDs by other institutes at KVK.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

44. KVK, Barmer-II

- i. When presenting CFLDs reports, high-quality images should be used.
- ii. Farmers must maintain fact sheets for empowering them.
- iii. Field day must be organized at full swing stage.

45. KVK, Jalore

- i. At the farmers' field, the banner should be properly positioned.
- ii. A participatory approach is needed to follow.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

46. KVK, Sirohi

- i. Gap analysis needs to be re-evaluated.
- ii. The number of farmers participating in the field day should be increased.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

47. KVK, Nagaur-I

- i. According to ICAR guidelines, the number of demonstrations should be increased.
- ii. The photograph's quality should be improved.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

48. KVK, Nagaur-II

- i. Based on the gap analysis, critical inputs have been rationalized.
- ii. Increase the number of field visits.
- iii. A participatory approach should be followed.

49. KVK, Jodhpur-II

- i. During the field visits, a banner or board should be used.
- ii. Crop cutting experiments of farmers' practices and CFLDs must be recorded.
- iii. Farmers must maintain a fact sheet for empowering them.
- iv. Field day must be organized at full swing stage.

50. KVK, Rajsamand

- i. The total number of clusters should be increased.
- ii. Photographic quality (action photos) should be improved.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

51. KVK, Chittorgarh

- i. Photographic quality should be improved.
- ii. Gap analysis needs to be re-evaluated.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

52. KVK, Dungarpur

- i. The number of farmers should be increased in the field days.
- ii. A participatory approach should be followed in each stage.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

53. KVK, Udaipur-II

- i. Increase the number of field visits is required.
- ii. Photographic quality should be improved.
- iii. Farmers must maintain fact sheets to empower them.
- iv. Field day must be organized at full swing stage.

54. KVK, Udaipur-I

- i. Expenditure guidelines must be followed.
- ii. Cover all the blocks instead of focussing only on a few areas or blocks.
- iii. The banner must be visible and separate for each field activity.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

55. KVK, Churu-I

- i. Both herbicide and insecticide doses must be elaborated.
- ii. Fertilizers must be added to the recommended dosage.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

56. KVK, Hanumangarh-I

- i. The number of farmers participating in field days should be increased.
- ii. A cluster-based and participatory approach is needed.
- iii. Farmers must maintain fact sheets to empower them.
- iv. Field day must be organized at full swing stage.

57. KVK, Barmer-I

- i. Gap analysis needs to be re-evaluated.
- ii. The quality of photographs should be improved.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

58. KVK, Jaipur-I

- i. A banner must be mounted in the fields of farmers.
- ii. The latest crop variety should be included in CFLDs.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

59. KVK, Tonk

- i. Expenditure guidelines must be followed.
- ii. Gap analysis needs to be re-evaluated.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

60. KVK, Hanumangarh-II

- i. The quality of the photograph (action photo) should be improved.
- ii. A crop cutting experiment should be followed.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

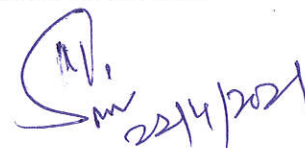
61. KVK, Alwar-I

- i. During the field visits, a banner or board should be used.
- ii. Every snapshot should be taken.
- iii. Farmers must maintain fact sheets for empowering them.
- iv. Field day must be organized at full swing stage.

62. KVK, Alwar-II

- i. All images should be taken at the correct angle.
- ii. The photograph's quality (action photo) should be improved.
- iii. Banners at farmers' fields must be fixed.
- iv. Farmers must maintain fact sheets for empowering them.
- v. Field day must be organized at full swing stage.

In the end, the concluding remarks were given by Chairman. The meeting was ended with a vote of thanks to all those who participated in the event.



(M.S. Meena)
Principal Scientist (AE)

Submitted for kind approval of Director

