# One-day online seminar on "Advances in micro-irrigation and fertigation for improving water use efficiency and crop productivity" jointly organized by College of Agriculture, AAU, Vaso & NAHEP - CAAST, AAU, Anand

A one-day online seminar on "Advances in micro-irrigation and fertigation for improving water use efficiency and crop productivity" was jointly organized by College of Agriculture, AAU, Vaso & NAHEP - CAAST, AAU, Anand on 18th December, 2020. The seminar comprises one key note lecture and four different lectures delivered by the distinguished personalities based on the theme of the seminar. The inaugural event of the seminar was presided by Dr. R. V. Vyas Sir, Hon. Vice-Chancellor, Anand Agricultural University, Anand, and Dr. R. C. Agrawal, DDG (Education) National Director-NAHEP, ICAR New Delhi.

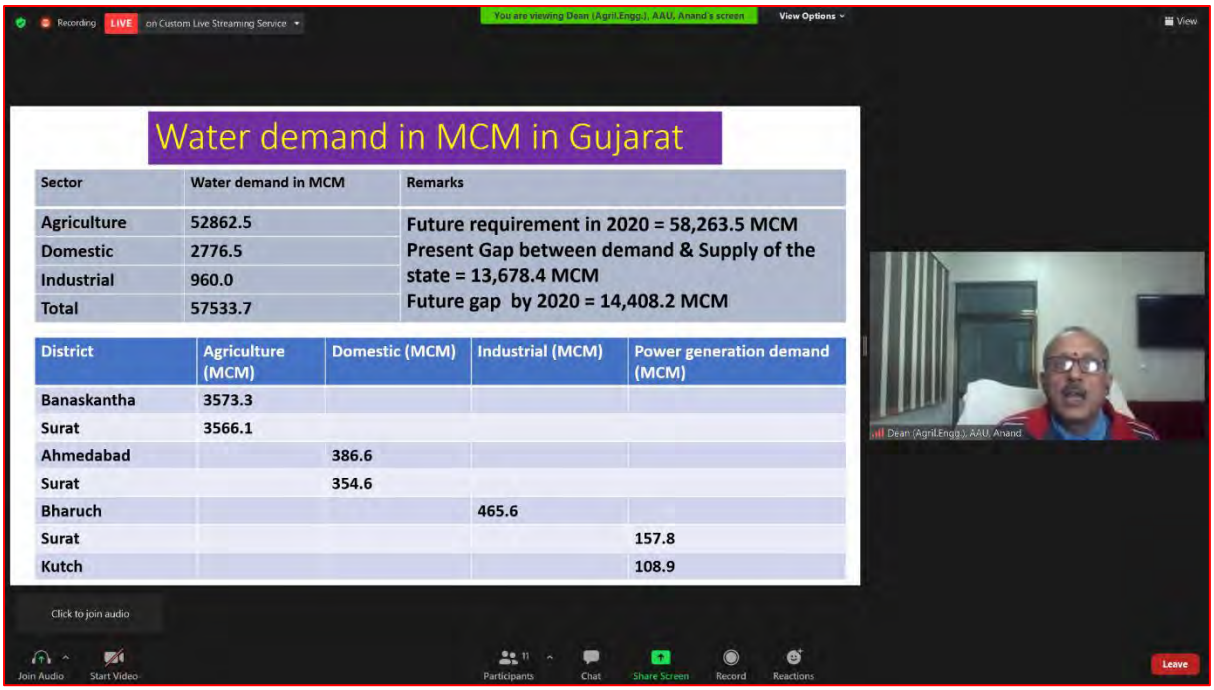
In the beginning, Dr. R. S. Pundir, Professor & PI, NAHEP-CAST, AAU, Anand briefed about the seminar. Dr. Y. M. Shukla, Principal & Unit Head, College of Agriculture, AAU, Vaso welcome the dignitaries and participants for their participation in the seminar.

In the presidential address, Dr. R. V. Vyas, Hon. Vice-Chancellor, AAU, Anand has emphasized on the judicial use of water in agriculture and in fields. He insisted the farmers to adopt micro irrigation system as it is not only saved water but also fertilizers and energy too. He encouraged the farmers to use soluble and liquid bio fertilizers as they are most suitable in micro irrigation system. The inaugural session was ended with the vote of thanks delivered by organizing secretary Dr. Gautam R. Patel, Associate Professor & Head, College of Agriculture, AAU, Vaso.

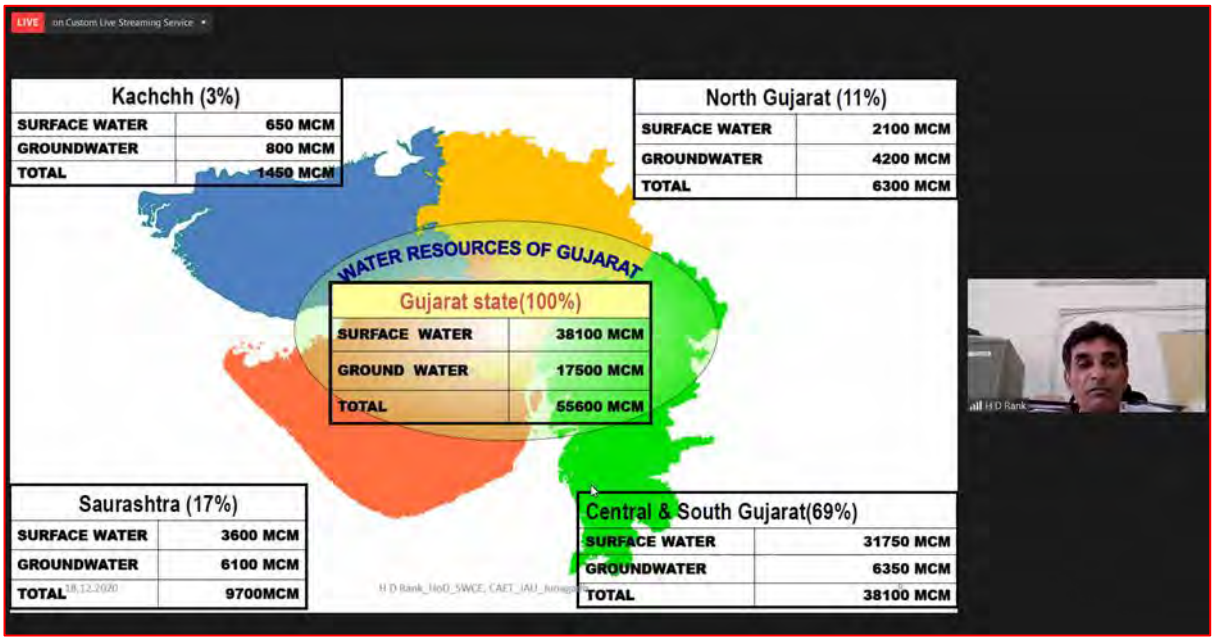
In technical session one, key note lecture was delivered by Dr. R. Subbaiah, Principal & Dean, CAET, AAU, Godhra. He explained the "Scope of micro irrigation system and crop performance prediction through micro irrigation". He elaborated the efficient design of irrigation scheduling considering the various affecting factors and field conditions. In the second technical session, Dr. H. D. Rank, Professor & Head, Department of Soil and Water Engineering, CAET, JAU, Junagadh described and elaborated the "Design of drip irrigation system for irrigation and fertigation in the various field crops".

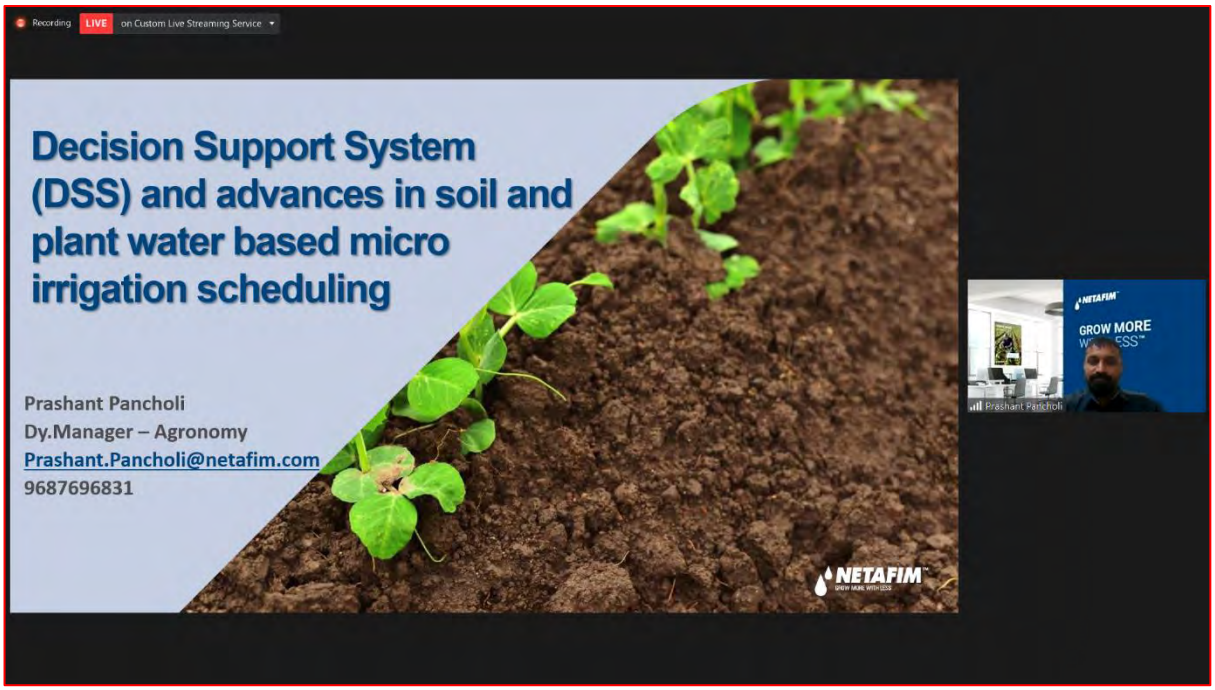
Shri. Prashant Pancholi, Senior Agronomist of Netafim Irrigation (I) Pvt. Ltd., Vadodara, delivered a lecture on "Decision support system and advances in soil and plant water-based micro irrigation scheduling" during the third technical session. In his lecture, he illustrated the recent products used in micro irrigation segment with some examples and photograph of success stories of farmers. In the last technical session, Dr. K. C. Patel, Research Scientist, Micro Nutrient Research Unit, AAU, Anand delivered a lecture on "Concepts and techniques of nutrient management for enhancing water and nutrient use efficiency". In his talk he explained the various factors to enhance the fertilizer use efficiency in different crops.

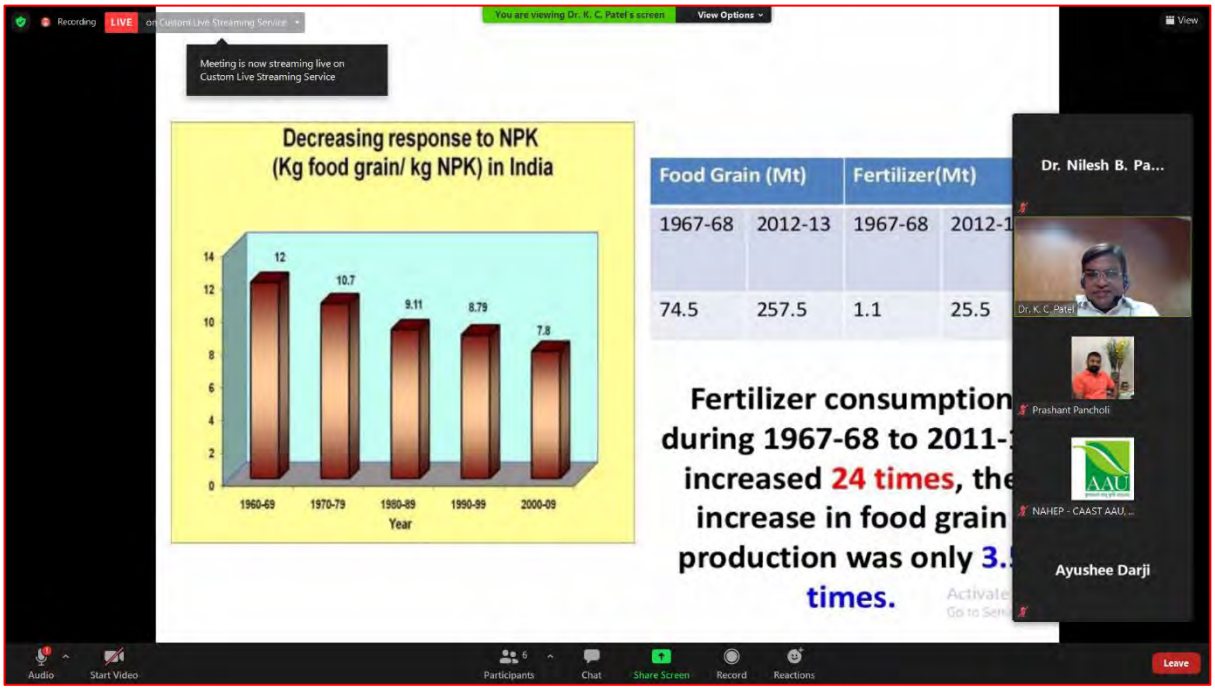
At the end of all technical sessions, Dr. M. L. Gaur, Professor (Soil & Water Conservation Engineering), Department of Agril. Engg., BACA, AAU, Anand chaired the plenary session and expressed his view regarding the importance of micro irrigation. At last, the one-day online seminar was sum-up with the vote of thanks delivered by Joint Organizing Secretary Dr. Y. A. Lad, Associate Professor & Core Co-PI, NAHEP-CAST, AAU, Anand. The whole sessions were handled by Coordinator Dr. N. B. Pawar, Assistant Professor, College of Agriculture, AAU Vaso and were anchored by Ayushee Darji, SRF, Centre for Agriculture market Intelligence, AAU, Anand. Thus, all the lectures were very fruitful and knowledgeable to farmers, young entrepreneurs, students, and faculty members.

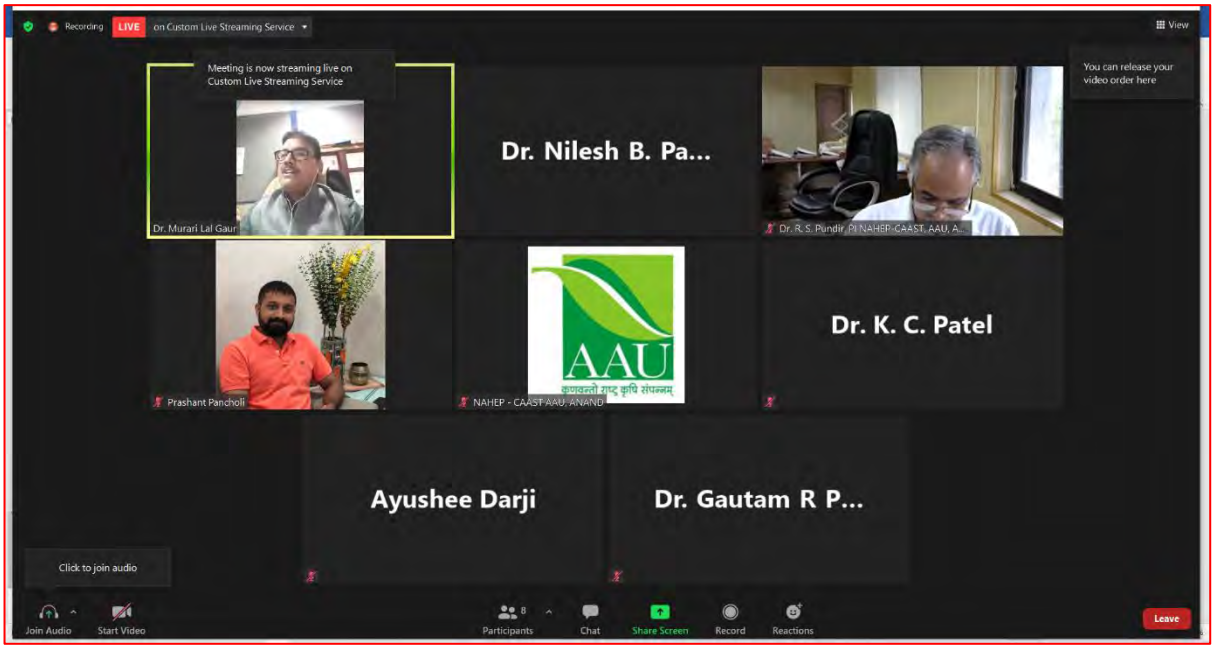


Recording LIVE on Custom Live Streaming Service
You are viewing Dean (Agril.Engg.), AAU, Anand's screen
View Options
View
Water demand in MCM in Gujarat
Sector | Water demand in MCM | Remarks
Agriculture | 52862.5 | Future requirement in 2020 = 58,263.5 MCM
Domestic | 2776.5 | Present Gap between demand & Supply of the state = 13,678.4 MCM
Industrial | 960.0
Total | 57533.7 | Future gap by 2020 = 14,408.2 MCM
District | Agriculture (MCM) | Domestic (MCM) | Industrial (MCM) | Power generation demand (MCM)
Banaskantha | 3573.3
Surat | 3566.1
Ahmedabad | 386.6
Surat | 354.6
Bharuch | 465.6
Surat | 157.8
Kutch | 108.9
Dean (Agril.Engg.), AAU, Anand
Click to join audio
Join Audio
Start Video
Participants
Chat
Share Screen
Record
Reactions
Leave


Recording LIVE on Custom Live Streaming Service
View
Meeting is now streaming live on Custom Live Streaming Service
You can release your video order here
Dr. Gautam R Patel
Dr. Nilesh B. Pa...
Dr. K. C. Patel
Prashant Pancholi
NAHEP - CAAST AAU, ANAND
Ayushee Darji
Dr. Murari Lal G...
Dr. R. S. Pundir,...
Click to join audio
Join Audio
Start Video
Participants
Chat
Share Screen
Record
Reactions
Leave


LIVE on Custom Live Streaming Service
Kachchh (3%)
SURFACE WATER 650 MCM
GROUNDWATER 800 MCM
TOTAL 1450 MCM
North Gujarat (11%)
SURFACE WATER 2100 MCM
GROUNDWATER 4200 MCM
TOTAL 6300 MCM
WATER RESOURCES OF GUJARAT
Gujarat state(100%)
SURFACE WATER 38100 MCM
GROUND WATER 17500 MCM
TOTAL 55600 MCM
Saurashtra (17%)
SURFACE WATER 3600 MCM
GROUNDWATER 6100 MCM
TOTAL 9700MCM
Central & South Gujarat(69%)
SURFACE WATER 31750 MCM
GROUNDWATER 6350 MCM
TOTAL 38100 MCM
H D Rank


Recording LIVE on Custom Live Streaming Service
Decision Support System (DSS) and advances in soil and plant water based micro irrigation scheduling
Prashant Pancholi
Dy.Manager – Agronomy
Prashant.Pancholi@netafim.com
9687696831
NETAFIM
GROW MORE
Prashant Pancholi


Recording LIVE on Custom Live Streaming Service
You are viewing Dr. K. C. Patel's screen
View Options
View
Meeting is now streaming live on Custom Live Streaming Service
Decreasing response to NPK (Kg food grain/ kg NPK) in India
12
10.7
9.11
8.79
7.8
1960-69
1970-79
1980-89
1990-99
2000-09
Year
Food Grain (Mt)
Fertilizer(Mt)
1967-68
2012-13
1967-68
74.5
257.5
1.1
25.5
Fertilizer consumption during 1967-68 to 2011-1 increased 24 times, the increase in food grain production was only 3.5 times.
Dr. Nilesh B. Pa...
Dr. K C. Patel
Prashant Pancholi
NAHEP - CAAST AAU, ...
Ayushee Darji
Audio
Start Video
Participants
Chat
Share Screen
Record
Reactions
Leave


Recording LIVE on Custom Live Streaming Service
View
Meeting is now streaming live on Custom Live Streaming Service
You can release your video order here
Dr. Murari Lal Gaur
Dr. Nilesh B. Pa...
Dr. R. S. Pundir, PI NAHEP- CAAST, AAU, A...
Prashant Pancholi
NAHEP - CAAST AAU, ANAND
Dr. K. C. Patel
Ayushee Darji
Dr. Gautam R P...
Click to join audio
Join Audio
Start Video
Participants
Chat
Share Screen
Record
Reactions
Leave