

Reports of
Farmers' Awareness Programme
26th December, 2017



Organized by
**Agromet Field Unit, Kakdwip,
Bidhan Chandra KrishiViswavidyalaya**

Sponsored by
India Meteorological Department, New Delhi

Venue: Village-Kalitala of Sambasurchak, Block-Kulpi, 24-Pgs(S),WB

FARMERS' AWARENESS PROGRAMME OF GKMS AT KULPI BLOCK, 24-PGS(S)

Jointly organized by:

India Meteorological Department

Ministry of Earth Sciences

Government of India

&

Agro-Met Field Unit, Kakdwip, BCKV

Under GKMS Project

Date: 26.12.2017

Venue: Village-Kalitala, Po.-Sambasurchak, Block-Kulpi, 24-Pgs(S)

- 1. REGISTRATION : 10.00A.M. to 10.30 A.M.**
- 2. INAUGURATION : 10.30 A.M. to 11.00 A.M.**
- Welcome address & Introduction of the Programme : Prof. A. K. Senapati, Nodal Officer, AMFU, Kakdwip**
- Theme : Activities under Gramin Krishi Mousam Sewa (GKMS)**

Time	Subject & Speaker
10.30-11.10	Inauguration and welcome address by Prof. A. K. Senapati, Nodal Officer, AMFU, Kakdwip
11.00-11.30	Presentation by Prof. M. Nanda, Deptt. of Agril. Meteorology & Physics, BCKV, Mohanpur, Nadia
11.30-12.00	Presentation by Mr. Rabiul Haque, Ex-Agro-horti Adviser, Bharat Chamber of Commerce
12.00-12.30	Presentation by Technical Officer, AMFU, Kakdwip
12.30-01.00	Present and future activity of GKMS by Dr. N. Chattopadhyay, DDGM (Agrimet), IMD, Pune
01.00-1.30	Presentation by Progressive farmer
1.30-2.00	Interaction with Farmers
2.00	Lunch

Introduction: The Farmers' Awareness Programme on climate, weather and crops was held at Village-Kalitala, Po-Sambasurchak, Block-Kulpi, 24-Pgs(S) on 26.12.17. In this



programme Professor A. K. Senapati, In-charge, RRS, BCKV, Kakdwip, South 24-Parganas inaugurated the programme. Dr. N. Chattapadhay, DDGM, IMD, Pune illuminated the chair of the Guest of honour. Prof. A. K. Senapati, Nodal Officer, AMFU, Kakdwip presided over the programme. Prof. M. K. Nanda, Department of Agro-Meteorology & Physics,

B.C.K.V. Mohanpur, Dr. Shibani Chowdhury, Technical Officer, AMFU, Kakdwip, and Mr. Rabiul Haque, Ex-Agro-horti Adviser, Bharat Chamber of Commerce was also present in the programme. Around 25 farmers of Kulpi, Diamond Harbour, Joynagar & Lakhikantapur block of South 24-Pgs attended. Registration of farmers was done before inauguration.

Inaugural Programme: The inaugural programme started at 10.30 hours and Prof. A. K. Senapati, Nodal Officer AMFU, Kakdwip welcomed the guest with bouquet and also welcomes the farmers. He described the importance of meeting and role of Agro-met Advisory Services for this agro climatic region. In his brief introductory speech he pointed out the adverse affect of weather on crops, poultry birds, live stock and fishery and importance of SMS. He mentioned the deep depression occurred on 14th November and 8th December, 2017 in the harvesting stages of aman paddy causing heavy damage. Those farmers were aware after getting the message of deep depression through SMS to enable the harvested paddy in the protected place and minimise their crop losses. But those who did not follow the SMS fell in troubles. To get the message of Agro advisory through SMS is to be registered their name and mobile no. in Kissan portal. This service is provided to them free of cost. He also requested the farmers attended the programme to collect the mobile numbers of other farmers in the village/ neighbouring villages and send to the AMFU, Kakdwip for registration. He also highlighted how the present weather parameter e.g. temperature, fog, humidity and rainfall affect on boro seedling in seedbed, potato, pulses and mustard crops. He also discussed the symptoms of adverse affect of temperature, fog etc. on crops and how to control. Poultry and dairy plays a vital role in livelihood of rural people, Dr. Senapati clearly discussed about the effect of low and high temperature to poultry bird and cattle and how to manage them from extreme weather condition. He also pointed out the effect low temperature in fish cultivation. He suggested the farmers to feed the fishes during mid noon

and remove all the bushes and aquatic weeds from the surrounding of pond for getting maximum sunlight in the pond when temperature will be quite low.

Dr. N. Chattopadhyay, DDGM, IMD, Pune thanks to AMFU, Kakdwip for organizing the programme in such a remote area of the Coastal Zone. In his valuable speech he discussed the



importance of Weather based Agromet Advisory for the farming community. He pointed out the role of weather parameter on cultivation of crops and poultry, livestock, pisciculture. He explained the objectives of the Gramin Krishi Mausam Sewa Project and its step by step activity like sowing to harvesting of crops and their management as per weather

forecast. Then he pointed out the natural calamities and their affect on crops of the coastal region of West Bengal. Dr. Chattopadhyay also discussed about SMS i.e. how it works and how many number of farmers are benefitted by this service. He emphasised to register the more number of farmers details in kissan portal for receiving SMS. Dr. Chattopadhyay pointed out the effectiveness of SMS in vernacular. He advised the farmers to contact with experts of KVK or RRS in respect of fertilizer and pesticide application rather than pesticide dealer. Because in maximum cases they misguide the farmers in order to increase their sale. Then he gave a brief lecture about western disturbance and its effect on the fluctuation of weather and crop cultivation of our country. Finally Dr. Chattopadhyay suggested us to organize more number of qualitative Farmer Awareness Programme and planning of crop cultivation due to delay of monsoon.

Dr. Manoj Kumar Nanda, Professor, Department of Agriculture Meteorology & Physics,



Bidhan Chandra Krishi Viswavidyalaya delivered a brief lecture on the usefulness of Weather based Agro-Advisory in Sundarban Region. He also introduced about a new technology of vegetable cultivation over the bund of paddy field. He also pointed out the low cost cultivation of crops through paira crop cultivation like *lathyrus*, lentil and mustard in paddy field by using the residual moisture. Besides this he suggested the farmers

to follow the maximum land use technique for cultivation of vegetables on the bund of paddy field with minimum fertilizer and water. In present condition land and water resources are being degraded by excessive use of chemical fertilizer, pesticide and flood irrigation practice. Under such condition Prof. Nanda advised the farmers to increase use of vermicompost and organic manure to maintain the soil health. He also requested the farmers not to lose the patience because maximum farmers are habituated to get more profit by using of chemical fertilizer & pesticides. Besides organic farming Prof Nanda also advised the farmers to practice drip irrigation in place of flood or pressurised irrigation in vegetable field due to lack of sweet irrigation water in sundarban area. Finally he suggested the farmers to practice mixed cropping for getting more monetary return.

Dr. Shibani Chowdhury gave a brief presentation about what is weather and what is the objective of GKMS project and how it helps the farmers for cultivation. She discussed about



the parameters of weather that influences the crop yield as well as different agricultural operation like sowing, spraying, irrigation etc. and how weather based Agro-advisory bulletin helps the farmers to select the perfect time of such agriculture operation without any monetary loss. She also pointed out the effect of extreme weather condition on poultry,

fishery and livestock. Besides this she emphasised on dissemination of weather based Agro-advisory to the farmers of remote areas. She discussed the importance of SMS by which maximum numbers of farmers are benefited. So it is required to collect maximum number of farmer's details and send them SMS according to their necessity. She suggested the farmers to form a whats app group so that they get instant advisory by sending the real photograph of their field problems through the SMS from the expert of AMFU, Kakdwip. Finally she introduced the farmers with the App Matirkotha and suggests the farmers to talk with the experts with a toll free number as per their necessity.

Mr. Rabial Haque made a brief and valuable speech about sustainable agriculture. He inspired the farmers to use more natural resources for crop cultivation. He also pointed out the cause and effect of global warming by using chemical fertilizer & pesticides and destruction of mangroves in sundarban areas. In present situation he advised the farmers to follow some practice like 1. Save nature 2. Practice organic farming 3. Use biodegradable material 4. Practice rain water harvesting and follow controlled use of water resources 5.

Practice drip irrigation technique. He briefly discussed about the effect of climate change on



biological activity of plants. He advised the farmers to practice mulching for temperature and moisture conservation. Finally he advised the farmers to control disease & pest by biological method so that we can keep our earth fresh and pure.

Farmer's interaction:

Farmers were very much interested about this programme. They demanded a brief



discussion about weather and climate. They asked how the high and low temperature causes crop disease and affect on chicks, broiler, layer poultry birds, livestock and fishery. They also want to know the scope of orchard cultivation in very small land area and planning for kitchen garden. They are very much interested about sustainable agriculture and practice of

kitchen garden. They want help for using of organic manure in combination with chemical fertilizer to keep the soil health.

Vote of thanks to the Guest of Honour, delegates, farmers, and others present in the awareness programme was given by Prof. A.K. Senapati.