

agMOOCs

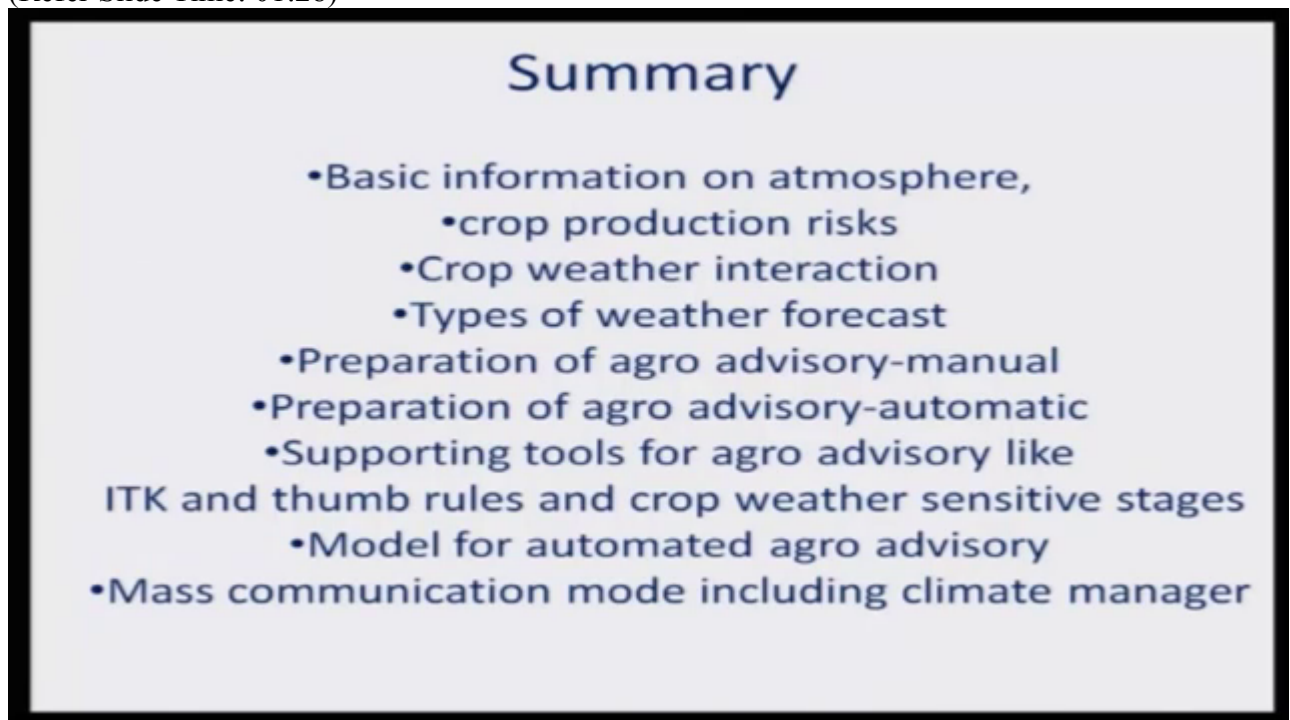
Summary of the lessons learned and way forward

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My dear students respected farmers and friends. The last few weeks we have learned a lot on this topic on weather forecast in agriculture and agro advisories. You were patiently listening to our class lessons and I appreciate you all people for better understanding on this topic. However at the end of the course it is my duty to summarize what we have taught and what you have learned or I can say simply put it as what you have learned from this course.

Since the weather forecast in agriculture and the agro advisory is an emerging area not only in India everywhere in the globe. So you must understand very well for that in order to fill any gaps in your learning I like to summarize the course in this class.

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Summary

- Basic information on atmosphere,
 - crop production risks
 - Crop weather interaction
 - Types of weather forecast
- Preparation of agro advisory-manual
- Preparation of agro advisory-automatic
- Supporting tools for agro advisory like ITK and thumb rules and crop weather sensitive stages
 - Model for automated agro advisory
- Mass communication mode including climate manager

Now in the first class we discussed about the basic information on atmosphere and followed by crop production risk when crops are cultivated under open condition. When I was talking about the crop production risk I was telling about inherited risk, then transferable risk and the crop management risk. And by next class we were able to understand how these risks could be managed effectively in order to reduce the crop protection losses. Then we went to the crop weather interaction area, how crop interacts with a prevailing weather; positively or negatively, that also we have learned though not fully, little bit.

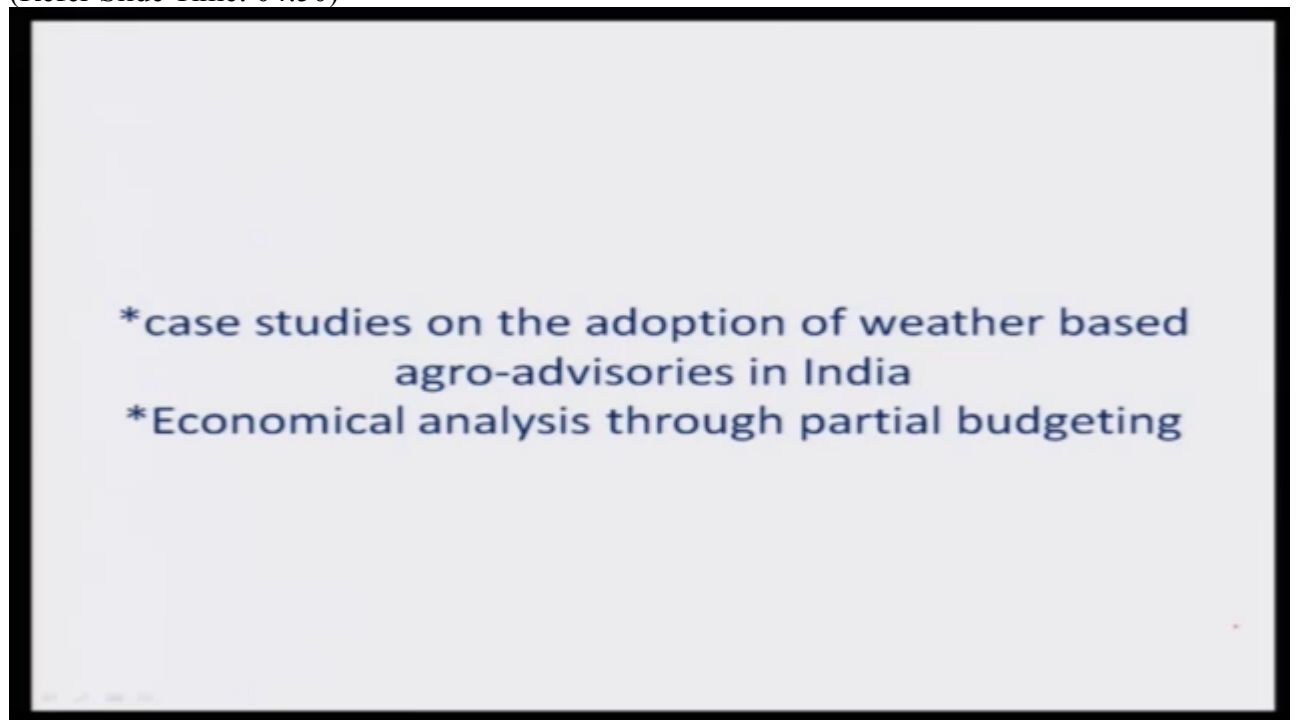
The next that we learned about the types of weather forecast; in that I was telling about nowcast, short-range, medium-range, long range and seasonal climate forecasts and how these forecasts are being developed and how it is being communicated to the agromet field units for the preparation of the agro advisories. Then we were discussing about the agro advisories, I was saying about manual preparation of the agro advisory based on the weather forecast received from the institution and also I should one prototype from Tamil Nadu case study where everything is automated from the development of the weather forecast and the

selection of concerned weather window, selection of the crop and communicating the agro advisory to the farmers through SMS everything under automatic condition. It was under prototype testing. Now it will be extended to other blocks of Tamil Nadu also.

Then followed by I was discussing about is a response farming especially for seasonal climate forecasts at the farm level and also I told you about the supporting tools for the preparation of the crop weather advisories preparation that is where weather sensitive stages, your thumb rules, indigenous knowledge in addition to your scientific crop management practices, then how this was communicated to the farmers especially for mass communication including the role assigned to the climate manager.

Then now we also did discuss some case studies on the adoption of weather based agro advisories and you have done one excellent the work on preparation of agro advisories based on the weather forecast given by us. So you have done wonderful way. This shows that you have learned a lot from this subject.

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And we also discussed about the economic analysis thorough partial budgeting and the benefit accrued from the implementation of agro advisory at the farm level.

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Over all- Summary

Tools for preparing agro advisory	Agro advisory on	Mode of preparation of agro advisory	Communication mode to farmers for farm decisions making
Information on weather forecast for next five days	Sowing to harvest- farm operations	Manual and automated	SMS, Television, Radio, dailies, Web site
Crop stages and pests load- real time	Pest and disease management		
ITK	Live stock management		
Thumb rules	Agri. produce processing		
Crop sensitive stages	Input management		

Now having learned more I like to give in a synopsis, these are the tools for preparing your agro advisory. One is you need weather forecast, you need crop stages and the pests load, you need ITK, you need thumb rules and also crop sensitive stages. When these are available with you as a supporting tool to your main weather forecast received from institution then you can prepare agro advisory both on manual as well as automated condition.

Sowing to harvest, pest and disease management, livestock management, agricultural produce processing, input management, so based on this first column you can prepare advisories for these areas either by manual or automated, and it can be communicated through farmers SMS, television, radio, dailies, if literate farmers are there they can go through the, browse the website also. So in a nutshell you have learned an important area of the science agriculture meteorology. I think don't stop with that. You have to continue this exercise. You have to communicate to other people also.

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In all human activities
Be Weather wise-Other Wise-Not Wise



So with this let me say in all human activities based on the lesson the last classes I say, be weather wise in your clothing, in your housing, in your taking food, eating, in all walks of life, in all allocations, in all your professional activities be weather wise otherwise not wise. With this I thank you all and also the IIT Kanpur who has arranged this type of communication to you all. Thank you very much. Thanks.