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The World Vegetable Center

34st International Vegetable Training Course

Vegetables: From Seed to Harvest

14 Sep. to 9 Oct. 2015

AVRDC - The World Vegetable Center
East and Southeast Asia **Bangkok, Thailand**



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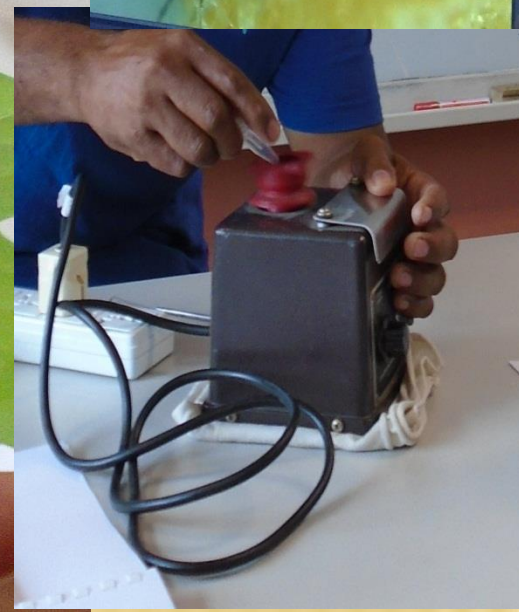
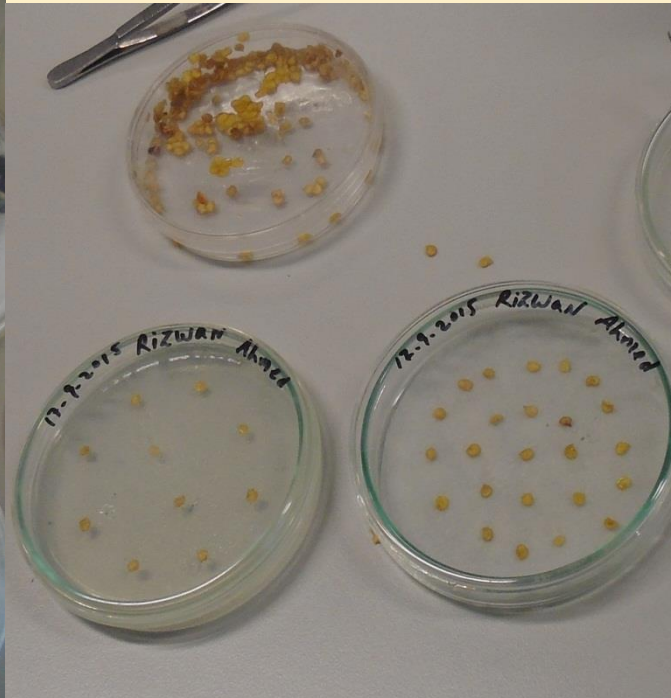
THE SKILLS GAINED THROUGH THIS TRAINING COURSE



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1- recognizing if the seeds are healthy or not by some simple tests to improve the germination and maximizing the healthy plant population in the field.



**2- using the breeding in vegetables
as a way to advancement the
agricultural production by
producing new varieties resistant
to the abiotic stress, diseases and
to be approval for the wishes
consumer markets**





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3- practice on grafting process in vegetable on resistant roots to be tolerant to the abiotic stress and diseases.





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4- management of the seedlings growth by selecting the appropriate media with good irrigation and fertilization to be as a nucleus of perfect yield.



Perlite





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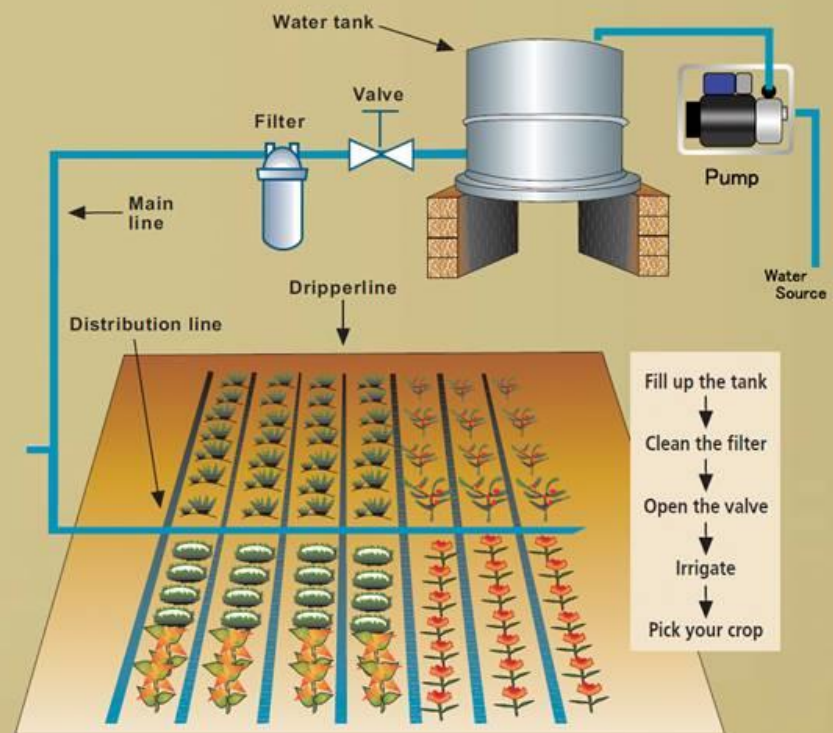
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5- Using drip irrigation to:

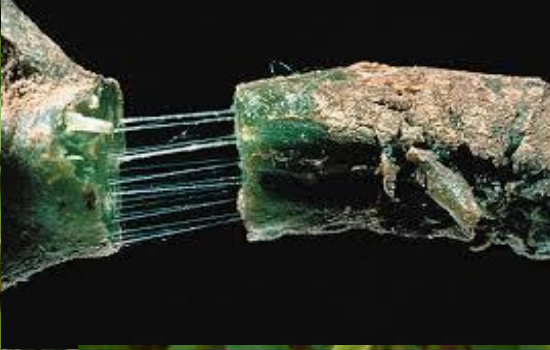
1. Increasing yield

2. Early maturity

**3. Increase the crop use efficiency
to the water and fertilizers**



6- Through the lectures that dealt with pathological injury in plant (Bacteria, Virus, fungus and Nematode) we learned how to identify its symptoms and we also practice in ELISA , PCR tests and Nematode extraction

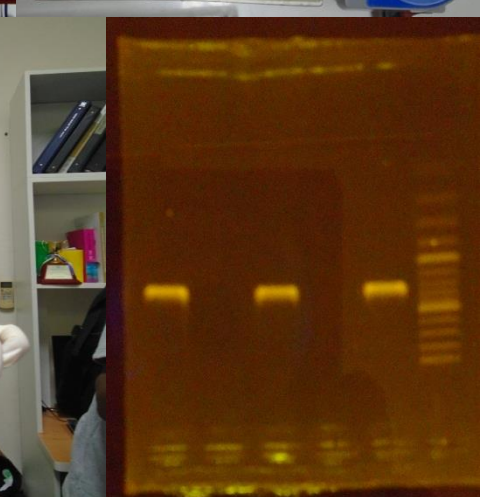
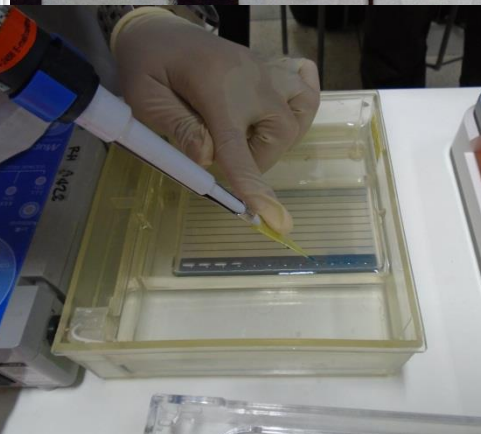
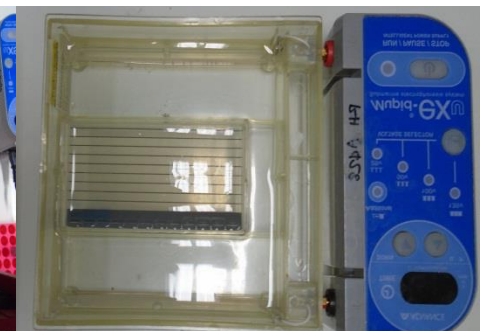
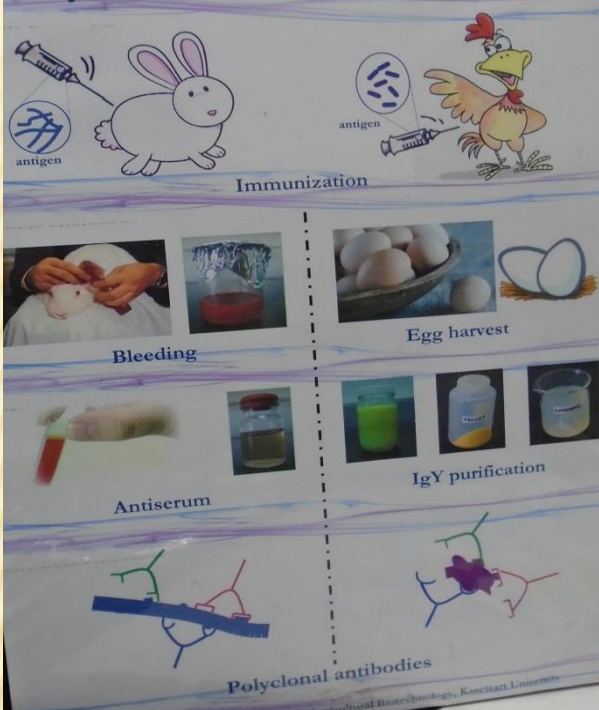


Bacteria



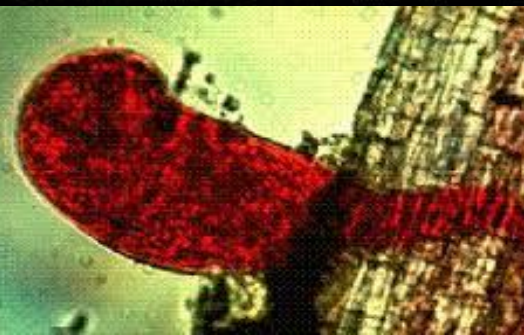
Virus

Polyclonal antibody production





Fungus



Nematode



**Nematode
Extraction**

7-We identified (IPM) the integrated pest management, which uses agricultural practices and natural enemies in order to prevent the infection or to keep it at the economic level.

8- we take a knowledge about the safety use to the pesticide



IPM



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HOW TO TAKE ADVANTAGE OF THE COURSE WHEN I GO HOME



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1- Discovering the Healthy and the infected seeds is important for me and my colleges to complete our researches about the true potato seeds (TPS) as a step to produce a new potato varieties under Egypt condition.



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**2- The plants of family Solanaceae
I interested in its study and the
grafting technique which we learned
here I'll use it in many researches.**



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3- I'll going to transfer to the farmers all the experiences I gained in how to identify the plant disease, how to management it through the indicative seminars.

4- I'll going to learn the farmers all about (IPM) the integrated pest management as a step to keep the environment without pesticide contamination and to produce a yield without chemicals residual effect.



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SUGGESTIONS



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- 1. keeping contact between us (trainers and AVRDC staff) by creating a group in Facebook for exchange information or publications which may giving a hand in solving problems faced the others .**

**2. I hope that the AVRDC staff
approve to cooperate with my
department in vegetable production**



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FINALLY

**I would like to thank all the
team work of AVRDC for the
warm hospitality and for their
dedication in providing
comfort to us**



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THANK YOU