

36th International Vegetable Training Course “Vegetables: From Seed to Table and Beyond” Module1

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SECTION: HORTICULTURE IN MINISTRY of AGRICULTURE

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World Vegetable Center

INTRODUCTION



- The Kingdom of Swaziland is a landlocked country between Mozambique and South Africa.
- It has a population of 1.2 million people.
- Area 17,364 sq km (6,704 sq miles)
- Major languages Swazi, English (both official)
- Life expectancy 50 years (men), 49 years (women)
- Currency Lilangeni
- It is ruled by King Mswati III

Introduction



INTRODUCTION



SWAZI CULTURE



KING OF SWAZILAND



Sponsors flag and Swazi flag





Three topics I found interesting

1. Vegetable seed generation and quality preservation.
2. Identification of major pests and damage symptoms.
3. Advances in seedling management.

Development action plan



ESTABLISHMENT OF DRIP IRRIGATION SYSTEMS IN VEGETABLE PRODUCTION

DRIP IRRIGATION IN TOMATO



WHAT IS THE PROBLEM?



There are farmers who grow tomatoes in the lubombo region in an area called kashoba using furrow irrigation on 10ha of land and it causes:

- The Spread of diseases
- Cause soil erosion
- Irrigation water is also limited

Problem continuation



- Tomato is a high value crop which farmers grow and sell internally to the national marketing board (NAMBoard).
- Currently it is irrigated by furrow irrigation from water collected to dams from rainfall.

FURROW IRRIGATION IN TOMATOES



Why solve?



- There is a need to use water carefully as it is a scarce resource.
- Soil erosion decrease land for farming so we have to conserve the little we have.
- Diseases causes a lot of damage to plants thus decreasing profits, so prevention is the better solution.

Objectives



- ❖ To decrease disease infestation by decreasing water movement between plants.
- ❖ To conserve the little water and land we have and still maximizing profits.
- ❖ To prevent soil erosion in fields.
- ❖ To increase profits by 40% by December 2018
- ❖ To help farmers to have good quality products

Drip irrigation



- It can save water used for irrigation.
- Soil erosion problem can be solved as there won't be water run off.
- Bacterial wilt will not be transferred to another plant easily as there won't be water run off.

Irrigation practical





Activities



- There will be meetings with farmers to sensitize them about drip irrigation in January.
- Demonstration of how to install drip irrigation systems will take place in February in one or more of the farmer's fields.

Activities



- Farmers , irrigation officer, extension officer and assistant extension officers will attend meetings and demonstrations.
- Farmers have to purchase the materials needed for the demonstraion.

Challenges



- Farmers might be reluctant to adopt drip irrigation as it is a new technique to them.
- Farmers might not have enough money to buy the required material yet the material is expensive.
- We might not get donors to buy the required material

Thank you



Kop kun maak

Ngiyabonga

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