

HARBEST AGRITECH TRAINING PROGRAM PROTECTIVE CULTURE TECHNO-DEMO AND TRAINING FARM PROGRAM

for short-term, high value fruits and vegetables



HARBEST AGRIBUSINESS CORPORATION No. 5 Rosemarie Lane, Barangay Kapitolyo, Pasig City Tel. No. 6717411 to 14, 0917-5203260

INTRODUCTION

Consumer awareness for clean and safe vegetables is growing and provides a great opportunity for farmers to produce crops that will satisfy this market. Improved agricultural technology offers a doable farm practices that our farmers can easily adapt and uplift their livelihood. The Department of Agriculture High-value Commercial Crops program has put emphasis on greenhouse and other protective culture of commercial vegetables as one of its main thrust in providing better livelihood for farmers.

HARBEST AGRITECH Teams of agricultural technicians are actively involved in teaching farmers simple and doable technology to improve the quality and increase yield of vegetable. Recently, enhance training program is formulated to address the need for protective culture.

PROJECT COMPONENT AND FEATURES

The PROTECTIVE CULTURE Techno-Demo and Training Program is designed to train ordinary farmers in greenhouse cultural management of selective short-term, high-value crops as well as open field planting using plasticulture.

1. Three-unit cluster of MALIGAYA-TYPE GREENHOUSE – 3.3m X 2.4m X 18 meters per unit or a total greenhouse area of 178.20 m²

½ ‘ diameter GI pipe will provide the main structure, bended on site 24 mesh super fine net, UV-treated to cover the whole greenhouse with GI pipe structure, Polyethylene 0.006’ thick, UV-treated roofing film, woven shade net for material for summer season planting
2. One unit HYDRO BEST DRIP IRRIGATION SYSTEM for greenhouse installed at site. Water source and line to drip system should be provided by project proponent. The system will not operate without water supply.
3. Total project area is 1,000 m² including greenhouse space. The rest will be planted in open field condition. In one location.
4. Project duration is 75 days from first sowing.
5. Project management will be handled by One Full-Time project manager and Two Full-Time trainees. They should be agricultural technicians to facilitate their becoming trainors for future replications in farmers’ farm level.



6. The once a week training module will be opened to about 40 farmer cooperators. This will be calendared by the Project manager in coordination with the Harbest Agricultural Technician.

There will be ten weekly training sessions. Topics will be programmed according to the crops planted. A Harbest Agritech agricultural technician will handle the hands-on training sessions.

7. Crops to be included in the program will be:
 - a. For greenhouse culture – melons, cucumber, bell pepper, tomato, lettuce, cauliflower, broccoli, cabbage
 - b. For open-field – eggplant, ampalaya, hot pepper, sitao, okra, squash and watermelon.
8. A HARBEST AGRITECH agricultural technician will be assigned to provide guidance to the project presentation. Greenhouse shall be constructed under the supervision of Harbest staff and local labor shall be employed by Harbest to provide assistance in the construction.

The construction of the greenhouse and installation of drip irrigation system will form part of the training session.

Please refer to the Training Session Course Outline.

9. **Total Project Cost** **Php. 500, 000.00**

This is inclusive of the three units MALIGAYA TYPE-GREENHOUSE. The materials and supplies needed for the open field planting. This excludes the land, land preparation, water system to the irrigation system, labor, security, fencing and other logistical support such as board and lodging for personnel's.

10. The procedure from the farm shall be owned by the project proponent or its assigned beneficiary.

PROJECT BENEFICIARY

It is the aim of this project to provide the necessary need technology to empower ordinary farmers with a simple and doable method of greenhouse and protective culture of short-term, high-value crops to the extent that they too can make their own greenhouse and make good money from it.

HARBEST AGRITECH TRAINING PROGRAM

PROTECTIVE CULTURE TECHNO-DEMO AND TRAINING FARM PROGRAM

for short-term, high value fruits and vegetables



HARBEST AGRIBUSINESS CORPORATION No. 5 Rosemarie Lane, Barangay Kapitolyo, Pasig City Tel. No. 6717411 to 14, 0917-5203260

Schedule of Training Sessions

- Session 1 Greenhouse construction
Seedling culture
Basic knowledge for vegetable production
Basic plasticulture for commercial production
- Session 2 Land preparation
Lay-outing, bed making, basal fertilization
Installation of plastic mulch
Installation of drip irrigation system, principles of irrigation
- Session 3 Transplanting of seedling in greenhouse and open field plots
Seedling cultural management in greenhouse and open field
- Session 4 Soil management
Soil fertility, plant nutrition, fertilizer management
Method of applying fertilizer
- Session 5 Pruning
Importance of pruning to yield and plant growth
Actual pruning technique
- Session 6 Trellis construction for open field planting
Vine training, vine trimming and fruit selection
- Session 7 Crop protection
Disease management and Pest control
Biological control and chemical control
Proper application method
- Session 8 Harvesting
Maturity indices
Harvesting method and post-harvest handling
- Session 9 Accounting for farmers, cost and return analysis
- Session 10 Harvest Festival and Graduation



Training session schedule will be announced once the participants are organized by the project manager. Commitment of the cooperators should be emphasized.