

Types of vegetable crops production systems...

- o Its types of prodn has evolved through time based on:
 - ***Improved method of transportation***
 - ***Demand***
 - ***Changing food habit and***
 - ***The importance of vegs. in human diet***
- According to aims sought & methods employed in producing & marketing the following types of veg. prodn are commonly exercised

1. Home Gardening

- o Growing of vegetables for **family use in the diet**
- o ***It minimizes living expenses*** as they are grown for the home table

Objective:

- ❑ **The main objectives of kitchen gardening are:**
 - ✓ *Proper utilization of space left in the house compound*
 - ✓ *Proper use of kitchen wastes and water*
 - ✓ *Continuous supply of fresh and healthy vegetables to the family use.*

Accounts to be taken in home gardening:

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A. Location & Soil selection

- ✓ Operations are done in spare time
- ✓ Location selected should be as close to the house as is practicable
- ✓ In dry regions it is desirable to locate the garden where it can be irrigated easily & conveniently

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- o ***Wind breaks*** should be constructed when needed
- o ***Soil w/t abundant nutrients***, open textures, well supplied with humus & preferably drained

B. Determination of plot area

- o A garden size of 31m X 50 m will furnish enough vegs. for a family of five

C. Selection of veg.kinds and varieties

- o • Choice of sp to be grown should be on local dietary customs

Con't

- Varieties Should be chosen to meet esp. reqts:

- ***Earliness***

- ***Succession***

- ***Adaptability***

- ***Disease resi stance***

- ***Productivity & size of the plot available***

D.Planning & programming

- Furnishes the grower with:

- ***A record of var. & amount he wishes to plant,***

- ***Successions of crops and***

- ***Info necessary for proper mgt of the garden***

- In order to plan the length & width should be determined & drawn to scale on a pieces of paper

Con't

- The kind of vegs. & planting date can then be placed in the proper position of the plan
- The gardner should have the basic knowledge of:
 - ***Bed preparation***
 - ***Planting/sowing***
 - ***Agonomic prac.,***
 - ***Crop protection, etc***

Importance of kitchen gardening:

- o Kitchen gardening is a wealthy, healthy and wise practice.
- o There is regular supply of fresh and high quality seasonal for the family.
- o Vegetables are available in odd time.
- o Land lying waste near the house is utilized properly.
- o It is best mean of recreation, exercise and engagement in spare time.
- o It has aesthetic value.

cont..

- o Waste water of the kitchen and house is also utilized properly.
- o Vegetables produced in the kitchen garden are cheaper than vegetables purchased from the market.
- o Some fruit plants can also be planted in the kitchen garden which supplies fresh fruits to the family.
- o It is ideal medium for training children in beauty and order

Cont.

- o *Vegetables grown by own efforts in the kitchen garden gives immense satisfaction both in cooking and eating them as compared to even costliest vegetables purchased from the markets.*
- o *Vegetables grown in the kitchen garden are not liable to infection with organism occurring in unsanitary market*

2. Market Oriented Vegetable Production

- ❑ To supply fresh vegetables to nearby markets to meet the ***demand of consumers, restaurants, and Hotels in the big cities.***
- ❑ It is to meet the need of consumers by providing fresh vegetable
- ❑ Processing industries when supply of ***vegs. Less & seeds for growers***

Advantages

- ***Provides diversified (many kind of vegetables) fresh vegetables to urban people.***
- ***Helpful in improving the environment***
- ***Utilization of urban wastes***

Cont..

- o *Generates employments to urban laborers.*
- o *Organic farming can be usefully adopted in vegetable production in Peri-urban areas.*

Disadvantages:

- o *High cost of farm land.*
- o *High cost of labor, water, and energy (electricity).*

3. Vegetable Forcing

- ❖ Growing of vegetables ***out of their normal season of out door prodn season***
- ❖ Developed b/se of the demand for the ***fresh vegs out of normal season prodn***
- ❖ Where growing season ***is too short/ or too cold for growing warm season veg. in the open***
- ❖ It is done by the use of ***artificial heat/ or by protection from cold in growing structures***
- ❖ Should be produced when ***supply is less from veg grown in the open & in best quality***

4. Vegetable Seed Production

- It is carried out in **regions where climate conditions are favorable to seed production and curing**
- Seed business man may engage in **breeding, growing, wholesale dealing, importing & distributing**
- Sometimes growers produce their **own seeds by themselves.**
- The man who produces his own seeds is assured of its **origin and parentage.**
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Vegetable Seed Production cont..

- ❏ *He can select his own ideal, to **suit his own lands and markets.***
- ❏ *It should be based on **careful technical, economical and commercial studies,** related to the size of the proposed enterprise and to all local circumstances*
- ❏ *The size should be as far as possible, be located in the proximity either to the **local market or the factory or, for export trade, to a suitable sea-port or air port.***

5. Truck Gardening

- It is prodn of esp. Veg. in relatively ***large quantities for distant market***
- Veg. Crop in ***relatively large quantities for distant markets***
- More **extensive & esp.** than market gardening
- Its locacation determined primarily by ***climatic & soil factors favoring culture esp.vegetables***

Truck...

Advantages:

- i) Low production cost is due to relatively cheap labor and land.***
- ii) High yield and ultimately high return.***

Disadvantages:

- i) Involvement of Middleman in marketing and cost of transport reduced net income***

6. School Gardening

- ✎ The garden established for the purpose of **Education**
- ✎ The activity is done by ***the students of certain school for demonstration and***
- ✎ Training of basic ***agri. Practices in school level***
- ✎ The activity is ***not done by family members*** but by ***students of a certain school for education.***
- ✎ It is not based on **family vegetable demand.**

7. Gardening for Processing

- o It is a form of **agro-industry**, which has the ***objective of producing vegetables for vegetable processing***
- o Vegetables are highly **perishable** and ***can not be supplied with continuously to the market in large quantities*** the need for **processing** fresh vegetables to differently preserved form becomes indispensable
- o Veg. for processing are usually produced on a ***more extensive scale than those grown for market***, and are generally grown in rotation with farm crops

Cont.

- o The industry has sought areas of ***favorable climate and cheap labor***
- o Different forms of **vegetable processing**
 - ✓ ***Canning***
 - ✓ ***Freezing***
 - ✓ ***Dehydration or drying***