



**RESEARCH AND DEVELOPMENT INSTITUTE
FOR PROCESSING AND MARKETING
OF THE HORTICULTURAL PRODUCTS
“HORTING”**

- Founded in 1967 -

Bucharest

Growing vegetables in greenhouses

Curing diseases and protecting from hazards while following the genetic resistance regulations of different genotypes and the virulent genes evolution for different races of pathogen agents.

The use of “in vitro” breeding methods for obtaining virus free material

Elaborating non-polluting technologies by using the methods of integrated protection

Identifying the physiological and agrochemical needs of perspective hybrids; correlating them with the actual culture conditions for the purpose of maintaining the production potential

Cultivating greenhouse vegetables on mineral and organic sub-layers, while establishing the optimal content of elements and of the corresponding nutritional and irrigation regime

Obtaining seeding material through unconventional methods

Non-polluting technologies of fertilizing greenhouse vegetables that aim for reducing the accumulation of nitrates and nitrites in the plants

Horticultural products marketing

Studies of market operation and opportunities for fresh and processed horticultural products.

Prognosis of imports, exports and domestic market supply and demand.

Development of market facilities, information, promotion and advertising systems.

DEVELOPMENT - DESIGN

Drawing up studies and technological designs for farms, storehouses, food markets and canning industry.

Modernization of existing processing factories for canned products and juices.

Consulting on technological design and operation of horticultural units.

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RESEARCH AND DEVELOPMENT INSTITUTE FOR PROCESSING AND MARKETING OF THE HORTICULTURAL PRODUCTS

MAIN ACTIVITIES

RESEARCH

Storage of fresh horticultural products (storage, packing, conditioning and transport technologies, physiology, chemistry)



Chemistry of horticultural products (biochemical analysis and microbiological for fresh and processed fruits and vegetables, quality assessment)



MAIN OBJECTIVES

FRESH HORTICULTURAL PRODUCTS

Modernization of post harvest technologies – handling, conditioning, storage, transport.

Development of new packing and repacking methods and units.

Identification, study and control of physiological and pathological post harvest diseases.

Drawing up and revision of quality and technological standards.

Assessment of commercial quality and requirements of products for storage and marketing purposes.

Testing for registration of new varieties and hybrids, fungicides, inhibitors and equipments used in post harvest technologies.

Extension for post harvest physiology, pathology and technology.

Chemistry of horticultural products

Methods of determining the nutritional pollution in fresh horticultural products

Fundamental research for deepening the knowledge of the biochemical processes in prime horticultural materials during preservation in a fresh state and during industrial processing

PROCESSED HORTICULTURAL PRODUCTS

Diversification of canned food, concentrates, juices and soft drink range.

Modernization and renewing of processing technologies.

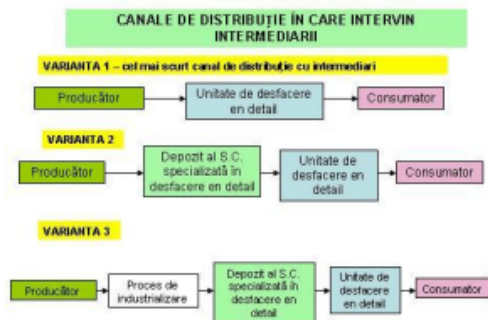
Establishing the nutritive value of processed fruits and vegetables.

Development of biotechnologies and special bio-techniques for juices and soft drinks industry.

Testing of new varieties and hybrids for processing purpose.

Drawing up and revision of standards for processed products.

Marketing horticultural products.
(studies and market promotion,
price analyses, advertising)

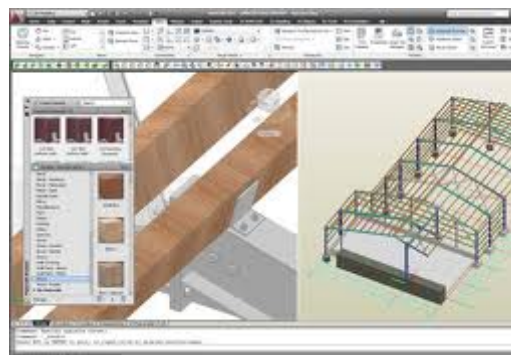


Processing of fruits and vegetables,
juices and concentrates for soft
drinks



DEVELOPMENT – DESIGN

Design of horticultural units
(storehouses, canned food
factories, sections for juices,
greenhouses)



Storage of fruits, vegetables,
potatoes, table grapes



TECHNOLOGICAL TRANSFER EXPERIMENTAL PRODUCTION

Greenhouse production of
vegetables



MAIN DEPARTMENTS

RESEARCH

- Laboratory for fresh horticultural products
- Laboratory for processed horticultural products
- Laboratory for biochemistry of horticultural products
- Laboratory for growing vegetables in greenhouses
- Laboratory for marketing of horticultural products

DEVELOPMENT – DESIGN

Sector for designing of horticultural units

EXPERIMENTAL MICROPRODUCTION

Sector for vegetables and flowers production (2 ha)

Sector for processing production (pilot station)

Storehouse (30 refrigerated rooms)

ADMINISTRATION AND OTHER DEPARTMENTS

Administrative sector

Bookkeeping bureau

Financial bureau

Commercial bureau

Planning-salary - personnel service

Mechanical work service

IT office

Library

Processing of horticultural

products

(canned food, juices, soft drinks,

and dried products technologies,

biotechnologies, enzymology,

microbiology)



The vegetables crop in

greenhouses (culture

technologies, plants protection,

production of vegetable

seedlings, breeding and testing

vegetable cultivars for growing

in greenhouses, soil

disinfection).

