

**INSTYTUT OGRODNICTWA**  
Research Institute of Horticulture

[www.inhort.pl](http://www.inhort.pl)



Witamy

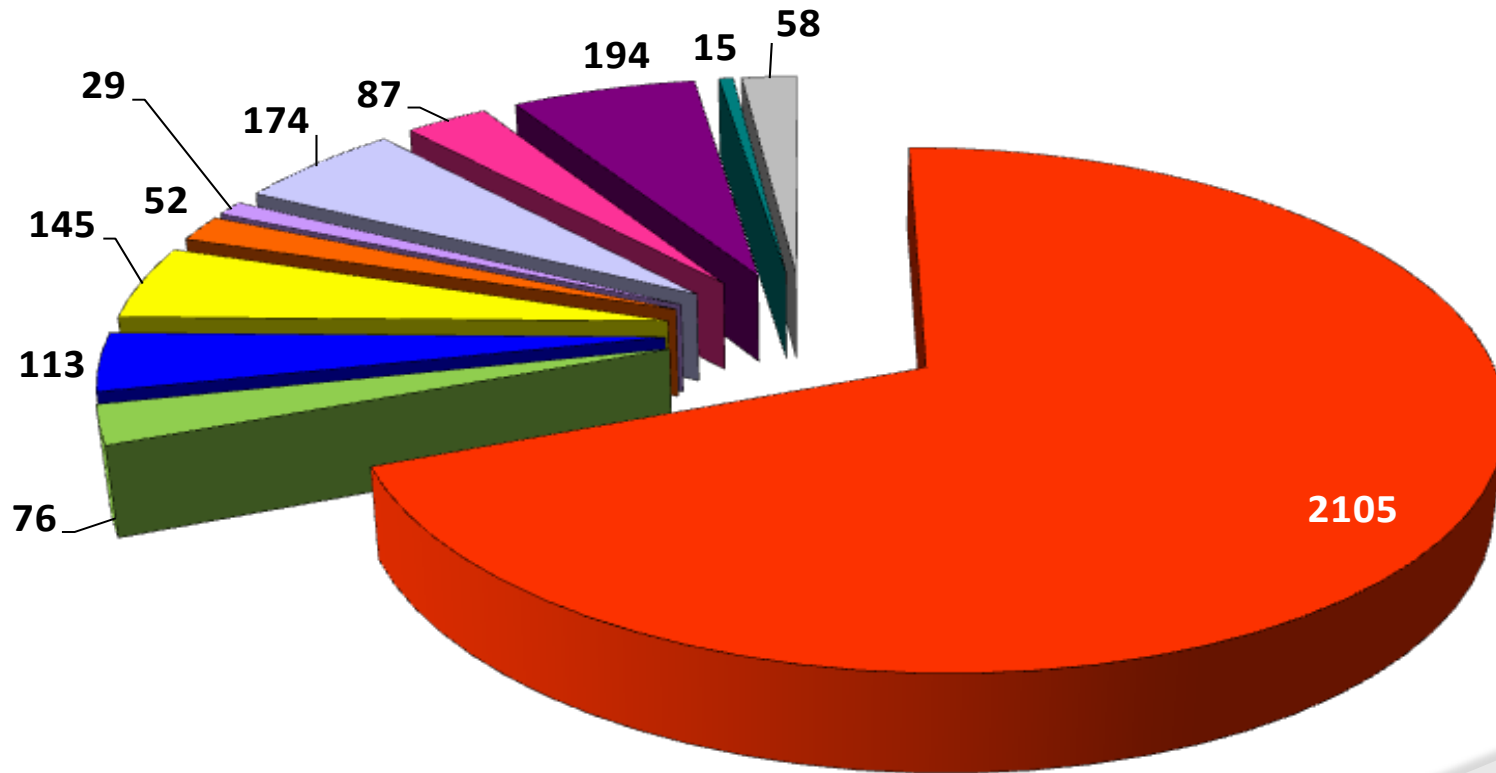
**skierniewice**

STOLICA NAUK OGRODNICZYCH  
CAPITAL OF THE HORTICULTURAL SCIENCES



# Fruit production in Poland

> 3000 (thous. Tons)



Apples

Sweet cherries

Currants

Pears

Others from orchards

Gooseberry

Plums

Strawberries

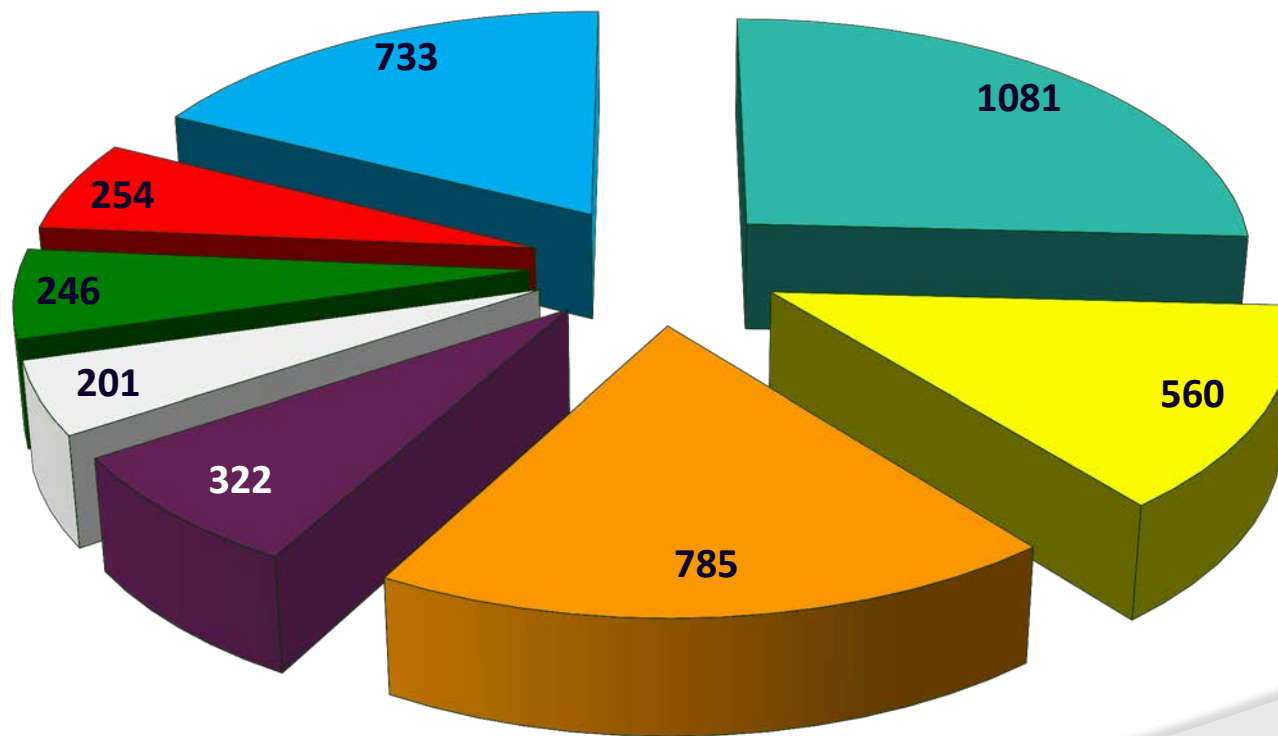
Others

Sour cherries

Raspberries

# Vegetable production in Poland

>4000 (thous. Tons)



■ Cabbage ■ Onion ■ Carrot ■ Beet ■ Califlower ■ Cucumber ■ Tomato ■ Others

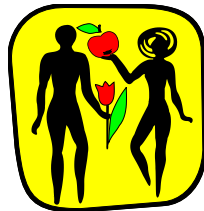
# Research Institute of Horticulture

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Established on January 1<sup>st</sup>, 2011

by a Decree of the Ministry of Agriculture and Rural Development  
by merging

Research Institute of Pomology  
and Floriculture



Established in 1951

Professor Szczepan A. Pieniązek

Institute of Vegetable Crops



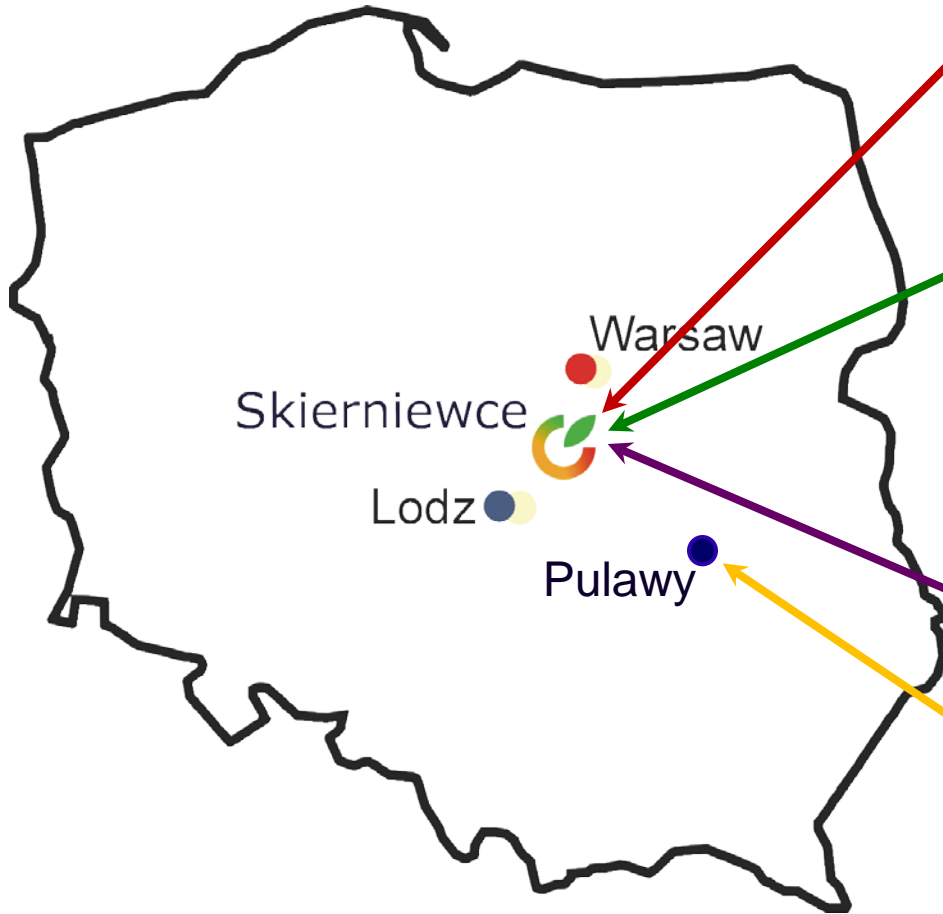
Professor Emil Chroboczek



Established in 1964

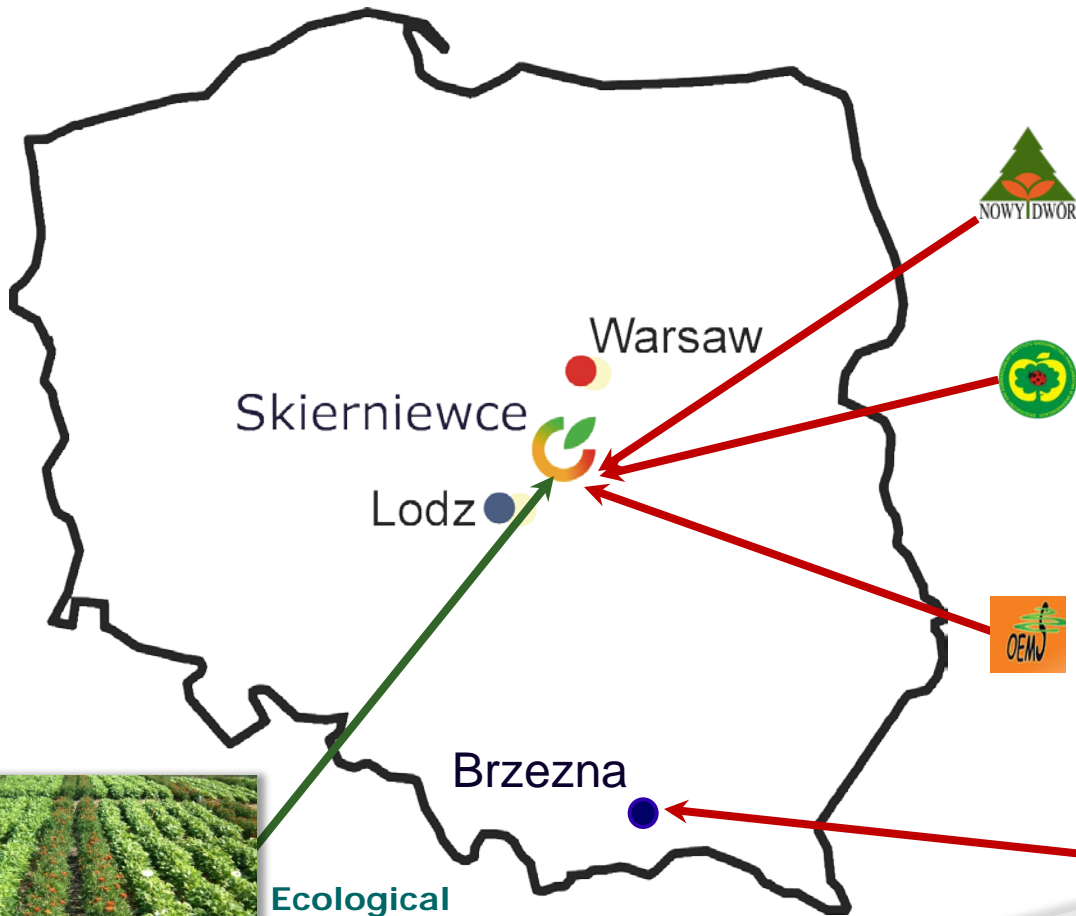
# Research Institute of Horticulture

## DIVISIONS



# Research Institute of Horticulture

## EXPERIMENTAL STATIONS



Experimental Station of Ornamental Plants Nowy Dwór Ltd.



Experimental Ecological Orchard, Nowy Dwór



Center For Elite Nursery Stock Prusy



Fruit Experimental Station Brzezna Ltd.

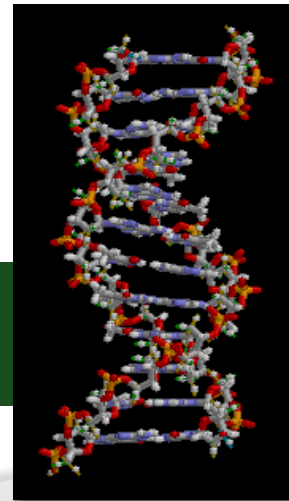
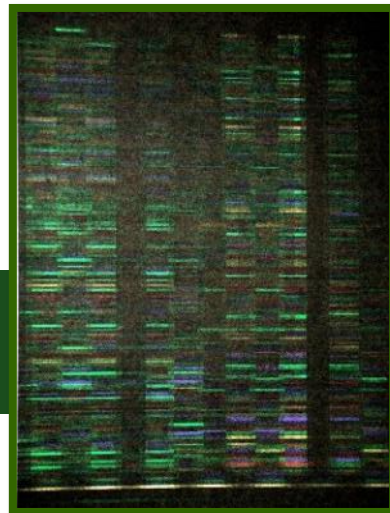


Ecological Vegetable Field Skierniewice

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## MAIN RESEARCH ACTIVITIES

- Fruit and vegetable plants' genetics and breeding
- Molecular biology and biotechnology
- Physiology and biochemistry of horticultural plants





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## MAIN RESEARCH ACTIVITIES

- Pest and disease control
- Protection of genetic resources of fruit, vegetable and ornamental plants



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## MAIN RESEARCH ACTIVITIES

- Cultivar evaluation and nursery
- Orchard management
- Soil biology and plant-soil interaction
- Sustainable production of horticultural plants



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## MAIN RESEARCH ACTIVITIES

- Technology of fruit, vegetable and ornamental plants production



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## MAIN RESEARCH ACTIVITIES

- Horticultural plant micropropagation
- Seed research
- Production and maintenance of virus-free nuclear stocks of fruit and vegetable cultivars and rootstocks



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## MAIN RESEARCH ACTIVITIES

- Fruit and vegetable storage and processing
- Product quality and pesticide residue analysis



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## MAIN RESEARCH ACTIVITIES

- Horticultural engineering
- Economics of horticultural plant production



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## MAIN RESEARCH ACTIVITIES

- New methods of mushroom production suitability of various substrates for mushroom cultivation and protection against diseases and pests



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## MAIN RESEARCH ACTIVITIES

- Bee breeding
- Bee products collection, conservation and storage
- Introduction of bumblebee and other wild bee species for plant pollination





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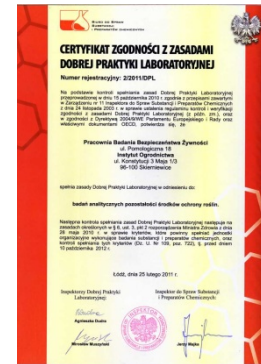


## Food Safety Laboratory

Scope of analysis:

- pesticides residues

## ACCREDITATIONS



EA MLA Signatory



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ACCREDITATIONS

## Chemical Contaminations Laboratory

Scope of analysis:

- Heavy metals
- Nitrates/nitrites
- Micro and macroelements for agriculture purposes



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ACCREDITATIONS

## Laboratory of Bee Product Quality Analysis



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## INTERNATIONAL COOPERATION



## Running international projects:

- 5 within 7<sup>th</sup> FP
- 1 Life-environment
- 5 bilateral projects
- 6 participation in COST Actions
- 10 Projects financed from ERDF

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Project financed by European Community within European Regional Development Fund (ERDF)



**UNIA EUROPEJSKA**  
EUROPEJSKI FUNDUSZ  
ROZWOJU REGIONALNEGO



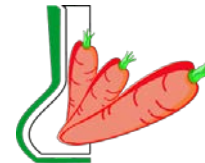
**DEVELOPMENT OF INNOVATIVE  
PRODUCTS AND TECHNOLOGIES  
FOR THE ENVIRONMENTALLY-FRIENDLY  
CULTIVATION OF FRUIT PLANTS**  
2009 - 2014



**POLISH STRAINS OF *TRICHODERMA* SP.  
IN BIOCONTROL AND TO UTILIZE  
ORGANIC WASTES**  
2009 - 2015



**OPERATIONAL DECISION-MAKING  
BASED ON ATMOSPHERIC CONDITIONS**  
2007 - 2013



**THE NEW TECHNOLOGY  
OF OBTAINING PLANT MATERIAL  
FOR F1 CARROT HYBRIDS BREEDING**  
2009-2013



**FOOD AND NUTRITION  
IN THE 21ST CENTURY**  
2009 - 2011



**MODERN TECHNOLOGIES IN FARM  
AND FOOD SECTOR FOR LIMITATION  
OF GREENHOUSE GAS EMISSIONS**  
2009 - 2012



**DEVELOPMENT OF INNOVATIVE  
TECHNOLOGIES FOR HEAT STORAGE  
IN COMMERCIAL HORTICULTURE  
PLASTIC TUNNELS**  
2010 - 2015

**THE DEVISING OF INNOVATIVE METHODS  
FOR THE RAPID IDENTIFICATION OF  
NEMATODES CAUSING ECONOMIC LOSSES**  
2010 - 2013

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## OTHER FORMS OF INTERNATIONAL COOPERATION

- Community programme on the conservation, characterisation, collection and utilization of genetic resources in agriculture



- EUFRIN - European Fruit Research Institute Network



- European Technology Platform „Food for Life



- EUCARPIA – European association for Research on Plant Breeding



- EFSA – European Food Safety Authority



- EURONION – European Onion Association



- APIMONDIA - International Federation of Beekeepers' Associations



- APISLAVIA - Federation of Beekeeping Organizations

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## OTHER FORMS OF INTERNATIONAL COOPERATION



- ECP/GR – European Cooperative Programme for Plant Genetic Resources



- Bioversity International



- ISHS - International Society for Horticultural Science



- EURISCO – European catalogue of plant collections



- European Weed Research Society

- Groupement Européen des Producteurs de Champignons



- SCAR – Standing Committee for Agricultural Researchers

- Participation in international laboratory comparison tests Wageningen, Holand

International Soil-Analytical Exchange Programme

International Plant-Analytical Exchange Programme

# Research Institute of Horticulture

## DISEMINATION AND PROMOTION

- Approximately 6 000 consultancies given by Institute's scientists and extension workers to fruit producers
- 2000 visitors, on average, during „open days”
- 20 domestic and international conferences and workshops
- Several exhibitions on domestic and international fairs







*Thank for your attention*