Universitatea de Ştiinţe Agronomice şi Medicină Veterinară
Facultatea de Horticultură – Bucureşti

EUFRUIT
Romanian contribution to WP 5
Secure sustainable fruit production

Prof.dr. Florin STĂNICĂ
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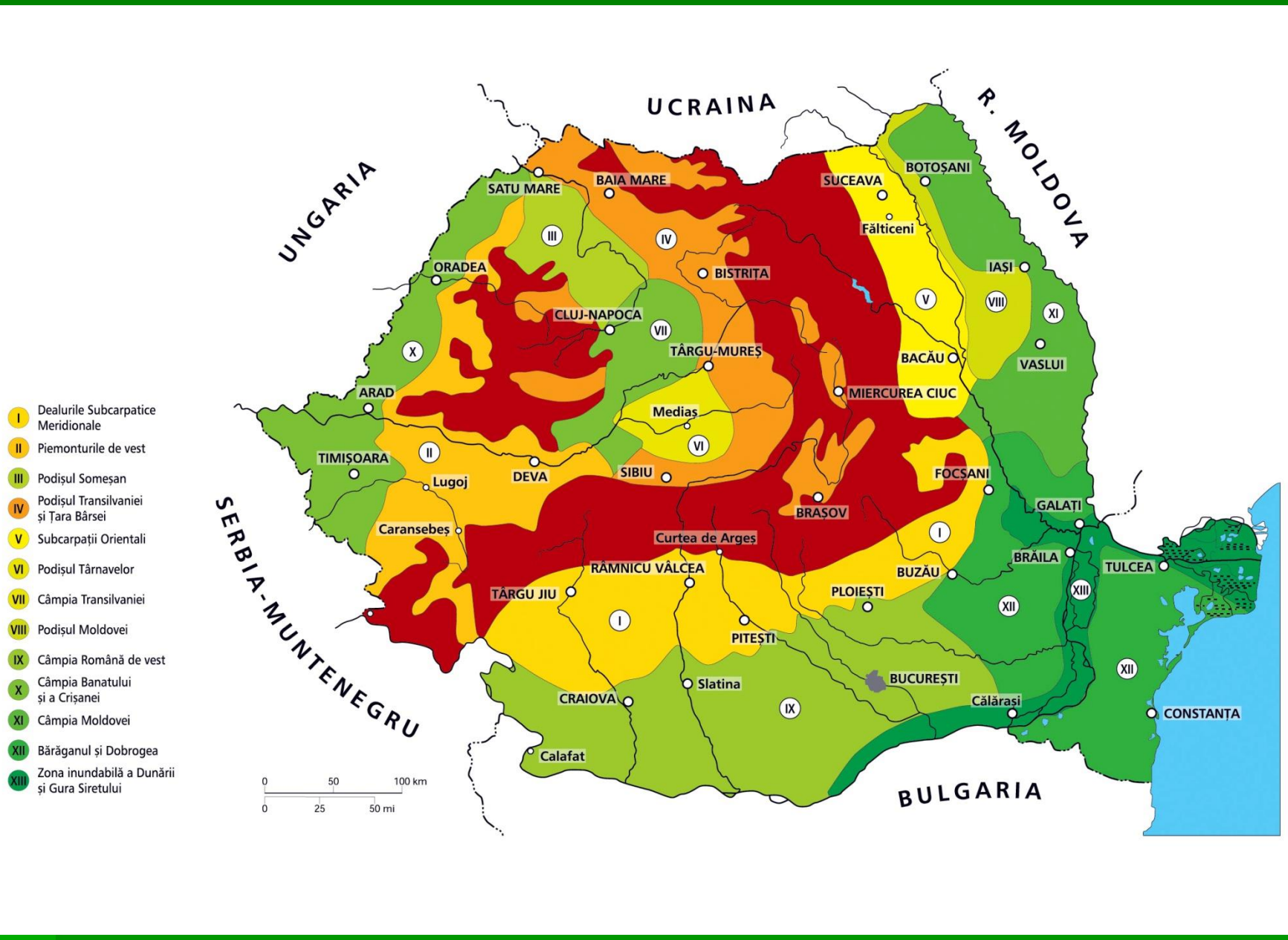
Bologna, WP 5 meeting, 31st of May-1st of June, 2017

- Romanian Fruit Growing Regions



University of Agronomic Sciences and Veterinary Medicine
1852 Bucureşti 2017

B-dul Mărăşti, 59, 011464, Bucureşti, www.usamv.ro

Faculty of Horticulture

since 1948

Research Center for Integrated Fruit Growing
B-dul Mărăşti, nr 59, Sector 1, 011464, Bucureşti
Tel. +40.722.641795, Fax : +40.21.3182888, www.pomosat.ro
E-mail: pomicultura_integrata@yahoo.com

UNIUNEA EUROPEANĂ

GUVERNUL ROMÂNIEI

Instrumente Structurale 2007 - 2013

The Increase in the Economic Competitiveness
„ Competitiveness Via Research, Technological Development and Innovation ”
European Found for Regional Development

„Investiment in your future”

Research Center for Studies of Food and Agricultural Products Quality
HORTINVEST
Code SMIS 14051

HORTINVEST

„Investment in your future”

European projects:

- “Quality standards and optimal processing methods for organic products - SusOrganic” (2015-2017)

Coordinator of SusOrganic: Barbara Sturm, University of Kassel, **Germany**
Albert Esper, Meridian Fruchthandelsgesellschaft mbH, **Germany**
Girma Gebresenbet, Swedish University of Agricultural Sciences, **Sweden**
***Liliana Badulescu*, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania**
Michael Bantle, SINTEF Energy Research, **Norway**
Oliver Hensel, University of Kassel, **Germany**
Paola Pittia, University of Teramo, **Italy**
Riccardo Massantini, University of Tuscia, Viterbo, **Italy**

INNOBERRY – Innovation in berry crop

Species:

- Black Currant, Black Berry, Raspberry, Blueberry, Chokeberry, Go Ji

Organic production

Organic production

Two methods for enhancing the soil fertility before and after the organic orchard planting are presented.

By sowing three ameliorative plants:

- *Sinapis alba*

Organic production

Two methods for enhancing the soil fertility before and after the organic orchard planting are presented.

By sowing three ameliorative plants:

- *Tagetes patula*

Organic production

Two methods for enhancing the soil fertility before and after the organic orchard planting are presented.

By sowing three ameliorative plants:

- *Phacelia tanacetifolia*

Edible Rose Organic production

Two methods for enhancing the soil fertility before and after the organic orchard planting are presented.
By sowing three ameliorative plants between rows after planting

Edible Rose Organic production

Two methods for enhancing the soil fertility before and after the organic orchard planting are presented.
By mulching on the row after planting with wool and wood chips

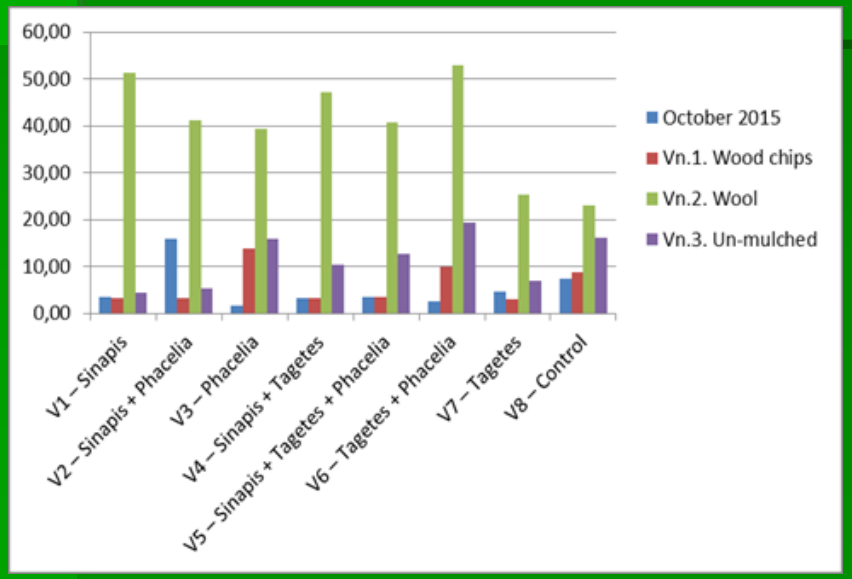
Wool

Wood chips

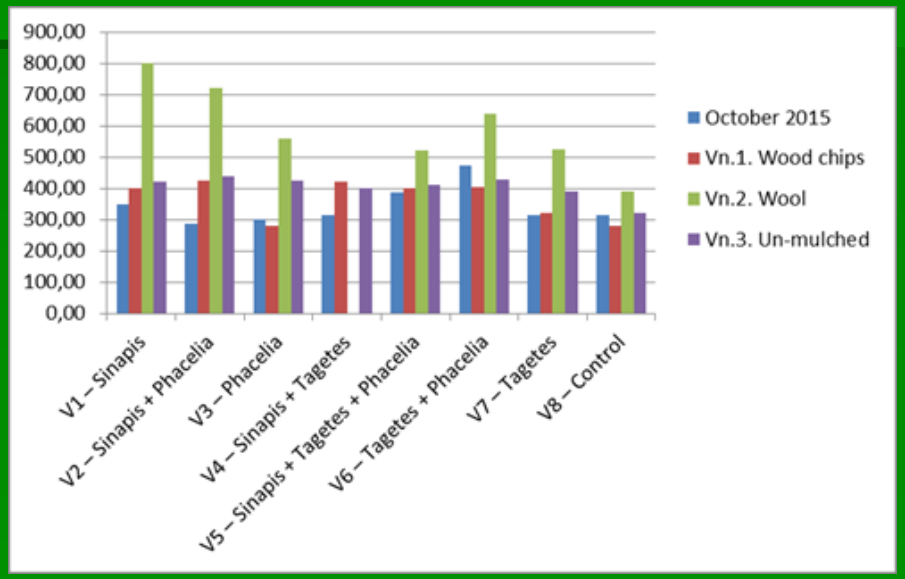
Edible Rose Organic production

Preliminary results:

- a substantial enhancement of the soil physical, agrochemical and biological characteristic of the soil was observed
- an increase of soil content in N, P, K and humus was measured;



Mineral N



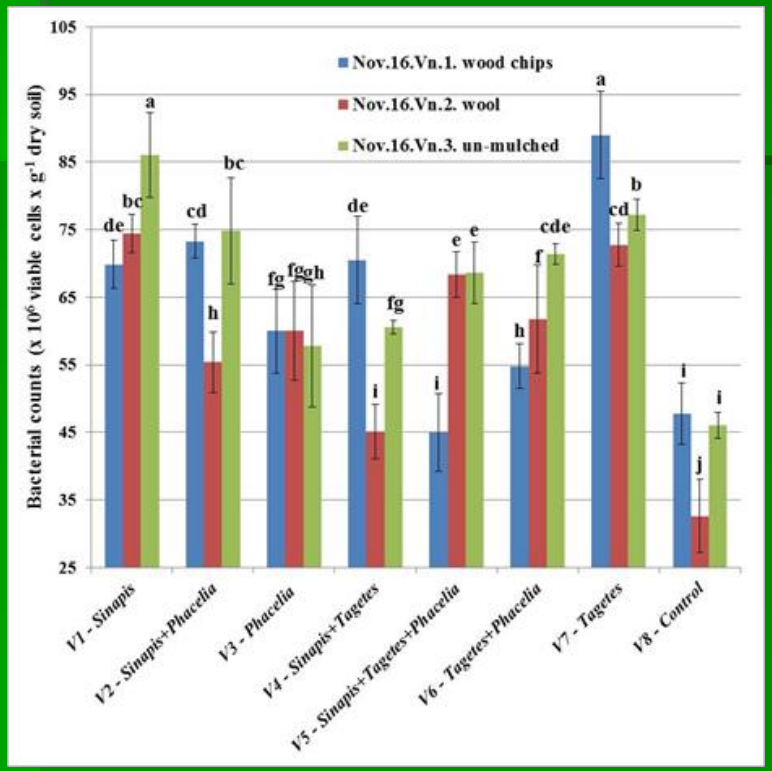
K

Edible Rose Organic production

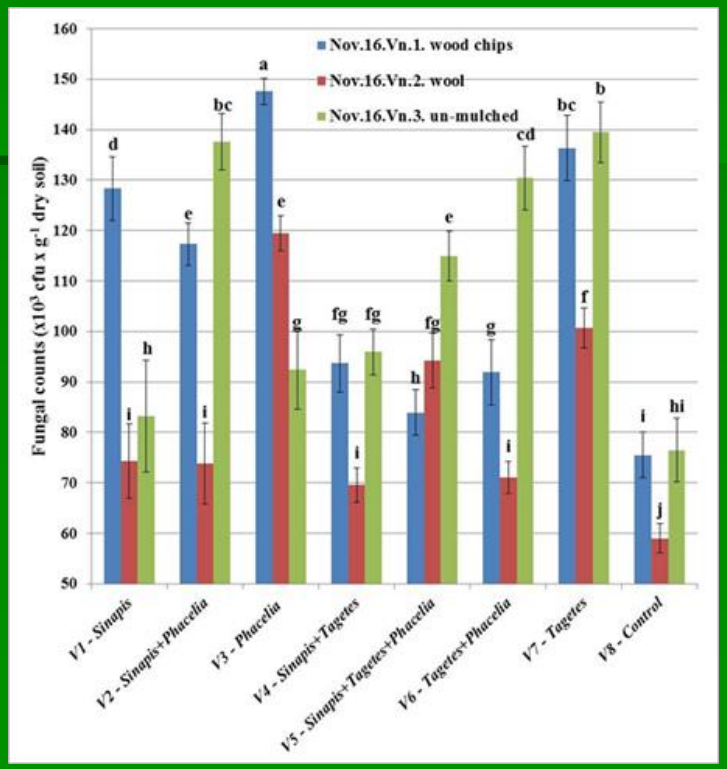
Preliminary results:

- the soil microbial activity increased at *Tagetes* and *Sinapis* variants and an increase of the useful Bacteria and Fungi density was observed on the wool and wood chips mulched variants
- the best results registered at *Sinapis* + wool variant.

Bacterial flora



Fungal flora



Edible Rose Organic production

Preliminary results:

- jam rose phytosanitary protection - treatments based on sulphur, copper and Neem extract, different bio stimulators and **raw milk cow** gave very good results to prevent and fight the pests and diseases.

Organic production

Organic plant protection:

- Flame weed cleaner –MAITO, Italy

- Flame wooly aphid killer

Organic production

Organic plant protection:
-Orchard Avifauna studies
- wind breaks and shelters

Organic production

Organic plant protection:
-Orchard Avifauna studies
- birds feeders

Organic production

Organic plant protection:
-Orchard Avifauna studies
- artificial nests

Organic production

Organic plant protection:
-Orchard Avifauna studies
- artificial nests - Great tit (*Parus major*)

Organic production

Organic plant protection:

- Orchard Avifauna studies

- Long-eared Owl (*Asio otus*)

Asio otus sheltering in the Chinese Arborvitae (*Thuja orientalis*) - Moara Domnească, Ilfov county

Organic production

Organic plant protection:

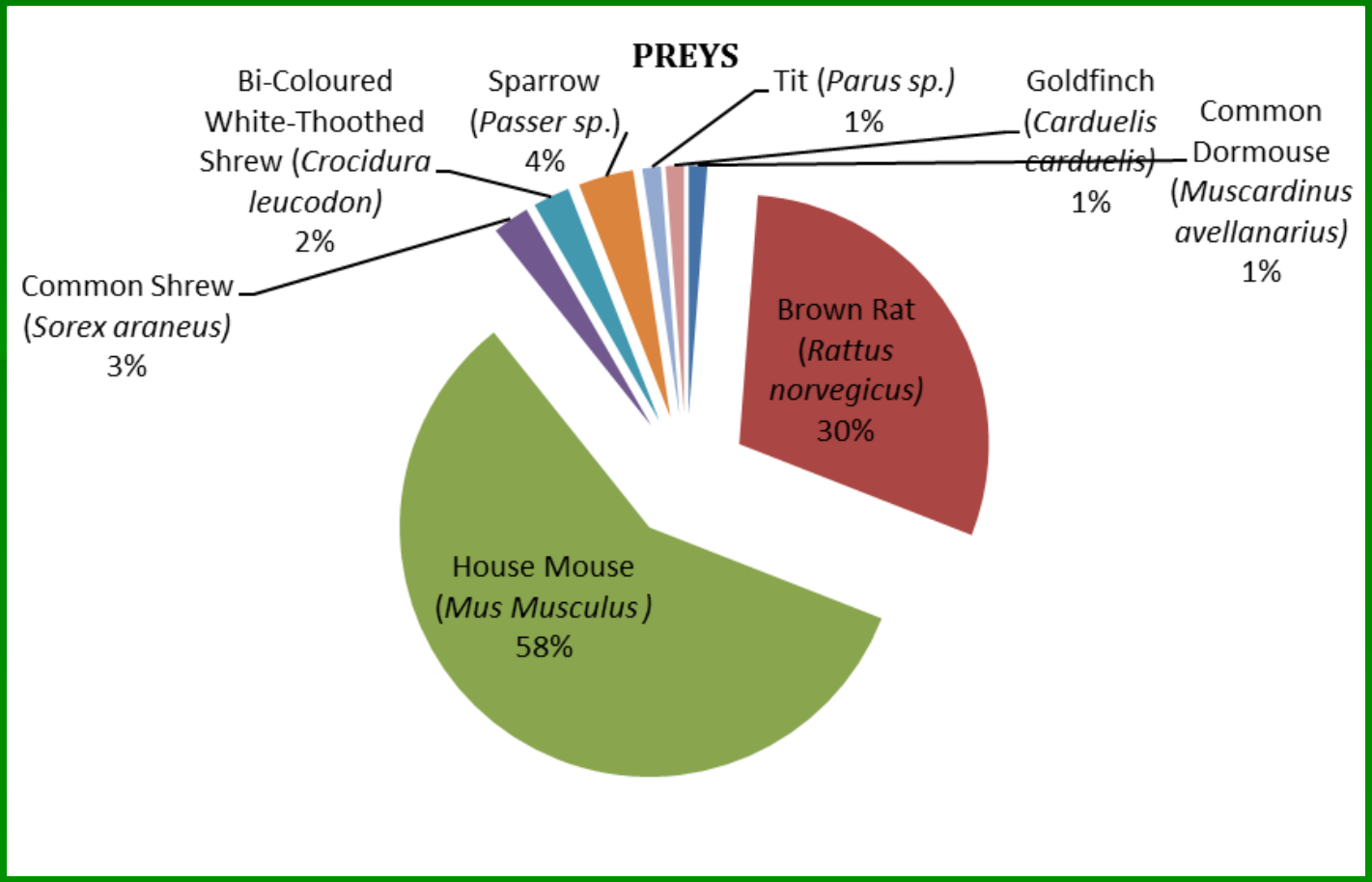
- Orchard Avifauna studies

- Long-eared Owl (*Asio otus*)

Asio otus pellets

Organic production

Organic plant protection:
- Orchard Avifauna studies
- Long-eared Owl (*Asio otus*)



Asio otus pellets composition

Organic production

Climate change problems – Spring 2017

Temperature alternance – high amplitude!
Hot spring
Low temperatures – around 23 of April
Late frosts – beginning of May
- lowest temperature registered in the last 110 years!

Organic production

Climate change problems – Spring 2017

Temperature alternance – high amplitude!
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Organic production

Climate change problems – Spring 2017

Methods the fight late frosts:

Organic production

Climate change problems – Spring 2017
Methods the fight late frosts:

Sweet Cherry Festival
Istriţa, Buzău – 10th of June 2017

Sweet Cherry Festival
Istriţa, Buzău – 10th of June 2017

ISHS - IX International Peach Symposium

July 2-6, 2017

Location
USAMV București,

Deadline abstract submission
March 15, 2016
Deadline full text submission
September 15, 2016

Convener
Florin Stănică

Website
http//www.peach2017.com
Email
contact@peach2017.com

Groups involved
- Section Pome and Stone Fruits
- Workgroup Peach Culture

Thank you for your kind attention!