



European Research Alliance

ERA Pesticide Free

Towards a chemical pesticide free agriculture

NEWSLETTER #6 LATVIA

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Every two weeks, this newsletter will be prepared by a different Alliance member.

Today we are happy to share a contribution from the [Latvia University of Life Sciences and Technologies \(LBTU\)](https://www.lbtu.lv).

Outcomes of the Conference “Sustainable Agriculture 2023” in Jelgava

On the 23rd and 24th of February 2023 the scientific and practical conference “Sustainable Agriculture 2023” was held in Jelgava, Latvia University of Life Sciences and Technologies. More than 200 participants attended conference online and on site.

The special attention was paid to the organic farming and pesticide free Agriculture: The head of the Organic Agriculture Certification Program Laila Pluce and representative from the Latvian Organic Agriculture Association presented their vision about organic agriculture in Latvia. Owner of the Ltd Ramkalni shared his experience in organic vegetable growing.

Dr. biol. Jevgenija Necajeva shared her experience on the use of different plant rotations for effective limitation of the spread of Avena Fatua in various regions of Latvia. Goal of this research is reduction of the pesticide use. Dr biol. Ina Alsina presented her experimental results on Organic and Conventional wheat growing system in simulated climate change conditions. Mg. agr. Ligita Salkovska presented her results on incidence of wheat common bunt depending on variety and possibilities of its biological control. Mg. agr. Lidija Vojevoda shared experience about potato growing - Evaluation of potato genotypes in organic farming systems in different regions of Latvia. Dr.sc.ing. Viktorija Zagorska presented her results about the presence of pesticides in soils.



EIP-AGRI project “Technological solutions for growing sea buckthorn according to the principles of organic farming

The EIP-AGRI project “[Technological solutions for growing sea buckthorn according to the principles of organic farming](https://www.veselsaug.lv/)” - taking into account three main aspects: reduction of the spread of the sea buckthorn fly *Rhagoletis batava*, fertilization and watering in commercial sea buckthorn plantations - is being implemented for the 2nd year. The first results were presented at the 9th International Sea Buckhorn Association Conference. The main tasks the project solves are:

1. Development of the most effective lure for the mass capture of the sea buckthorn fly *Rhagoletis batava* in field conditions.
2. Development of a suitable trap design for mass trapping of sea buckthorn fly.
3. Development of the technological scheme to produce the liquid biological fertilizer from the cattle manure suitable for watering systems.



EIP-AGRI project “The development of the decision-making support system for restriction of the disease, affecting leaves and ears of winter wheat”



The EIP-AGRI project “[The development of the decision-making support system for restriction of the disease, affecting leaves and ears of winter wheat](https://www.veselsaug.lv/)” has ended in the year 2023. The decision support system for Latvian farmers has been developed. You can be acquainted with it following the link <https://www.veselsaug.lv/>. This decision support system will help farmers to take a decision for spraying the fungicide or not in 15 different wheat varieties. During the first year verification it was stated, that in Latvian weather conditions it is enough to spray the fungicide only once per growing season in majority of cases. Decision support system still should be developed and supplemented with new data.

This is the newsletter of the European Research Alliance Towards a chemical pesticide free agriculture

Visit the Alliance’s website: <https://www.era-pesticidefree.eu/>

This issue has been prepared by the [LBTU](https://www.lbtu.lv) as a member of this Alliance.

If you would like more information about this issue, feel free to [contact them](#).



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