

# *National Action Plan for the Sustainable Use of Plant Protection Products*



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MINISTERSTVO  
PŮDOHOSPODÁRSTVA  
A ROZVOJA VIDIEKA  
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*Climate Change: Challenges in Agriculture and  
Water Management  
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# *Agro-climatic Conditions*



# Cultivated crops

*Total agricultural land  
≈ 2 million ha  
≈ 168,000 fields*

*Average field size ≈ 12 ha*

*Arable land – fertile areas of southern  
Slovakia*

*Main crops: maize, cereals, rapeseed,  
oilseeds, soy, barley, sunflower, sugar beet  
Minor crops: fruit, vegetables, potatoes,  
technical crops*





100%



# *Establishment of quarantine pests*



*Diabrotica virgifera*

*Rhagoletis completa*

*Cameraria ohridella*

*Dryocosmus kuriphilus*

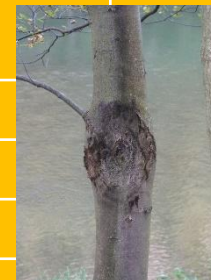
*Tuta absoluta*

*Drosophila suzukii*



# Non-native species of insects and fungi in forests

Latin name	Slovak name	Year of introduction/identification
<b>INSECTS</b>		
<i>Aproceros leucopoda</i>	ploskanka	2007
<i>Xylosandrus germanus</i>	drvinárik čierny	2010
<i>Cydalima perspectalis</i>	vijačka krušpánová	2012
<i>Dryocosmus kuriphilus</i>	hrčiarka	2012
<i>Corythucha arcuata</i> (A)	sietnička	2018
<b>FUNGI</b>		
<i>Sphaeropsis sapinea</i>	pyknidovka bel'ová	2000
<i>Nothophaeocryptopus gaeumannii</i>	švajčiarska sypavka	2003
<i>Rhabdocline pseudotsugae</i>	škótska sypavka	2003
<i>Hymenoscyphus fraxineus</i>	čiašočka jaseňová	2004
<i>Eutypella parasitica</i> (P)	eutypelka javorová	2005
<i>Cryptostroma corticale</i>	kryptostróma kôrová	2017





# *Changes in the spectrum of active substances*

- ☐ *Decline of existing active substances and weak inflow of new alternatives*
- ☐ *Problems with resistance management*
- ☐ *Issues with minor uses, new pests, or known pests on new crops (mites on sugar beet, stolbur on root crops)*



- ☐ *Timing issues*
- ☐ *Drought vs. Torrential rains*

# ***Sustainable Use***



## ***Effective plant protection***

- Ensuring food production
- Protection against pest spread

## ***Human health***

- Consumer
- Operator
- Population

## ***Environ- ment***

- Non-target organisms (especially bees)
- Environmental components – soil, water, air



# ***Farm to Fork Strategy (F2F)***

The “**Farm to Fork**” strategy has several ambitious goals across multiple areas, and in the field of **plant protection products**, it aims by 2030 to

- ***reduce the use of chemical pesticides and the associated risk by 50%***
- ***reduce the use of more hazardous pesticides by 50%***
- ***manage up to 25% of the total agricultural land organically***

***The proposed Regulation of the European Parliament and of the Council on the sustainable use of plant protection products amends Regulation (EU) 2021/2115 (SUR) key instrument in this area for achieving the objectives set out in the Farm to Fork strategy***

# *Farm to Fork goals*

*Among the high-risk substances, which are substances intended to be gradually replaced (so-called candidates for substitution according to Article 24 of Regulation (EC) No. 1107/2009), 31 substances are authorized in Slovakia. These are mostly substances that meet at least two PBT criteria (persistent, bioaccumulative, and toxic) or have very low toxicological reference values. Their annual use accounts for approximately 15% of the total active substance consumption in Slovakia.*

***Therefore, one of the ways to achieve the goals of the Green Deal and the “Farm to Fork” strategy is to seek alternatives to these highest-risk products and promote their practical use.***

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# Achieving goals

- *by phasing out the most high-risk active pesticide substances, **the use of less or low-risk active substances will subsequently increase**. Due to their lower effectiveness, these substances will require higher application rates and/or a greater number of applications.*
- *as a result, the overall use of chemical products will rise (this trend has already been observed in recent years).*
- *support for organic farming production will also increase the use of certain substances, such as **copper** (considered a higher-risk pesticide), which will affect the values of related indicators.*



# ***Plant protection products in Slovakia***

*Number of authorized active substances in Slovakia*

**214 substances out of a total of 422 substances approved in the EU (51%)**

**17 low-risk substances out of 79 approved in the EU (22%)**

**31 CfS out of 45 approved in the EU (69%)**

**17 microorganisms out of 73 approved in the EU (23%)**

**SR**

**8% low-risk substances**

**15% CfS**

**8% microorganisms**

# ***CAP Measures 2023–2027***

***Strategic Plan interventions, e.g.:***

***70.4 Organic Farming 70.6 AEKO – Environmentally Friendly Farming on Arable Land, in Orchards, and Vineyards***

***31.1 Farm-level Eco-scheme (Non-productive elements and areas)***

***31.1 Farm-level Eco-scheme (Grass cover between rows)***

***In the AEKO intervention – support for the use of biological plant protection products (at least one substitution of chemical products) in orchards, vegetable crops, vineyards, and potato cultivation.***

# *NAP, Revision 2 (2021–2025)*

## **60 proposed measures**

- *increasing the spectrum of authorized substances (low-risk, potentially low-risk, bioagents), increase by min. 5 substances per year*
- *support for basic substances in organic farming.*
- ***reduce use of high-risk pesticides by 15% by 2025 (vs. 2020), further –10% by 2030***
- *development and use of crop-specific methodologies for Integrated Pest Management based on the selection of plant protection products with regard to their effects on bees and other non-target arthropods, aquatic organisms, birds, and soil macro-organisms (e.g., earthworms)*
- *improving education and awareness*
- *creation and interconnection of databases aimed at identifying problem areas and enabling targeted policy management in the field of plant protection product regulation*



# Conclusions

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- ★ *Revision of NAP – 2025/2026*
- ★ *Evaluation of measure implementation*
- ★ *Proposed measures for 2026–2030*

***Support for IPM, biological control,  
education, and financial tools.***

*Thank you for your attention!*



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