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# **Results of CEUREG survey on procedure of market placement of macro-organisms and micro-organisms not matching the definition of PPP**



# The countries which responded to the survey:

- **Austria (AT)**
- **Bulgaria (BG)**
- **Croatia (HR)**
- **Czech Republic (CZ)**
- **Georgia (GE)**
- **Hungary (HU)**
- **Poland (PL)**
- **Slovakia (SK)**



# PART A

# MACRO-ORGANISMS



# Definitions: macro-organisms

*„We use “**biological control agents**” and/or “**biological agents**” following EPPO classification.”*

**BG**

*„This group of species is in CZ law called “**Bioagents**”. The bioagent is a plant protection means containing macro-organisms of the nature of live parasites, parasitoids or predators, except for vertebrates, in the form of a product provided to the user for use against harmful organisms on plants or plant products.”*

**CZ**

*„According to our definition the following organisms are **macro-organisms**: parasitical and predatory insects, predatory mites, parasitical and predatory nematodes and pollinators.”*

**HU**

*„**Bioagents**: Auxiliary products used in plant protection containing macro-organisms in the nature of living parasites, parasitoids or predators except vertebrate animals, provided to users in a preparation for use against organisms harmful to plants or plant products”*

**SK**



# Registration of macro-organisms

Countries	Registration Yes (v) / No (x)	Responsible authority
Austria	v	Bundesamt für Ernährungssicherheit (BAES)/Austrian Federal Office for Food Safety
Bulgaria	v	The Minister of Agriculture and Food with the Minister of the Environment and Water and the Minister of Health.
Croatia	v	Ministry of Environmental and Nature Protection and Ministry of Agriculture
Czech Republic	v	Central Institute for Supervising and Testing in Agriculture, Agricultural Inputs Section, Plant Protection Products Division
Georgia	x	-
Hungary	v	National Food Chain Safety Office, Directorate of Plant Protection, Soil Conservation and Agri-environment
Poland	x	-
Slovakia	v	Central Controlling and Testing Institute in Agriculture (ÚKSÚP), Department of Pesticide Registration



# Registered macro-organisms

Countries	List of registered macro-organisms
Austria	<a href="http://pmg.ages.at/pls/psmlfrz/pmgweb2\$.Startup">http://pmg.ages.at/pls/psmlfrz/pmgweb2\$.Startup</a>
Bulgaria	<a href="http://babh.government.bg/uploads/File/Zapovedi_RZ/Zapoved_Sp&lt;br/&gt;isak_Bioagenti_2013.pdf">http://babh.government.bg/uploads/File/Zapovedi_RZ/Zapoved_Sp isak_Bioagenti_2013.pdf</a>
Croatia	x
Czech Republic	<a href="http://eagri.cz/public/app/eagriapp/POR/Vyhledavani.aspx">http://eagri.cz/public/app/eagriapp/POR/Vyhledavani.aspx</a>
Georgia	x
Hungary	<a href="https://www.nebih.gov.hu/szakteruletek/szakteruletek/noveny_talaj&lt;br/&gt;vedelmi_ig/kozerdeku_adatok/novsz">https://www.nebih.gov.hu/szakteruletek/szakteruletek/noveny_talaj vedelmi_ig/kozerdeku_adatok/novsz</a> <a href="https://novenyvedoszer.nebih.gov.hu/Engedelykereso/kereso.aspx">https://novenyvedoszer.nebih.gov.hu/Engedelykereso/kereso.aspx</a>
Poland	x
Slovakia	<a href="http://www.uksup.sk/index.php?n=25">http://www.uksup.sk/index.php?n=25</a>



**PART B**

**NON PPP**

**MICRO-ORGANISMS**



# Definitions

„According the Austrian Fertilizer Law products with micro-organism can be placed on the market as **biostimulants and** in combination with nutrients **as fertilizers.**”

**AT**

„**Microbial fertilizers** – material, principal function of which is providing a nutrient to plants.

**Biologically active substances** – plant substances, produced in small quantities in the plants themselves and/or chemical synthesis products, stimulating or suppressing course of physiological processes, serving growth and plant development not containing nutrient elements.

**Soil improvers** – materials added to soil with principal function of improvement of physical and/or chemical properties and/or biological activity of soil.”

**BG**

„**Supplementary soil substance/Supplementary plant substance** if they fulfill following definition of Act on fertilizers: Supplementary soil substance means a substance without any effective amount of nutrients that affects soil biologically, chemically or physically and improves soil condition or it increases the fertilizer efficiency. Supplementary plant substance means a substance without any effective amount of nutrients that otherwise favorably affects the development of cultivated plants or the quality of plant products.”

**CZ**

„**Microbiological preparation:** means yield enhancing substances containing micro organisms (bacteria, fungi, algae) improving soil fertility and exempt from agents infectious for man or influencing the natural micro flora of the soil adversely.”

**HU**





# Registration of non-PPP micro-organisms

Countries	Registration Yes (v) / No (x)	Responsible authority
Austria	v	The Federal Office for Food Safety
Bulgaria	v	Bulgarian Food Safety Agency
Croatia	x/v	- The product must be analysed in one of Croatian Authorised Laboratories
Czech Republic	v	Central Institute for Supervising and Testing in Agriculture,
Georgia	x	-
Hungary	v	National Food Chain Safety Office, Directorate of Plant Protection, Soil Conservation and Agri-environment
Poland	v/x	Ministry of Agriculture and Rural Development
Slovakia	v	Central Controlling and Testing Institute in Agriculture (ÚKSÚP),



## Categories of non PPP micro-organisms

Countries	Categories of non PPP micro-organisms
Austria	Biostimulants and fertilizer (in combination with nutrients as)
Bulgaria	Fertilizers, soil improvers, biologically active substances and nutrient substrates.
Croatia	x
Czech Republic	Fertilizers
Georgia	x
Hungary	Bacteria, Fungi, Mycorrhizal in itself or their mixture
Poland	v/x (fertilizers and products enhancing plant cultivation: growth stimulators, surface soil and soil conditioners)
Slovakia	Fertilizers



## Registered micro-organisms

Countries	List of registered micro-organisms
Austria	x
Bulgaria	<a href="http://babh.government.bg/uploads/File/Registri/Rastitelna%20zashtita/List~reg-fertilizers.pdf">http://babh.government.bg/uploads/File/Registri/Rastitelna%20zashtita/List~reg-fertilizers.pdf</a>
Croatia	x
Czech Republic	<a href="http://eagri.cz/public/web/mze/farmar/EPH/registr-hnojiv.html">http://eagri.cz/public/web/mze/farmar/EPH/registr-hnojiv.html</a>
Georgia	x
Hungary	<a href="https://www.nebih.gov.hu/szakteruletek/szakteruletek/noveny_talajvedelmi_ig/kozerdeku_adatok/eng_term">https://www.nebih.gov.hu/szakteruletek/szakteruletek/noveny_talajvedelmi_ig/kozerdeku_adatok/eng_term</a>
Poland	v/x (21 out of 788 products (or 2,7% of all registered fertilizers))
Slovakia	<a href="http://www.uksup.sk">www.uksup.sk</a>



## Plans and recommendations

*“We are of the opinion that present system of regulation of those products (defined as Supplementary soil substance/Supplementary plant substance) is satisfactory. We suppose this issue will be solved in new regulation on fertilizers.”*

**CZ**

*It is recommended that microbial products, especially those applied on the crop, undergo some kind of assessment before entering the market*



**Thank you for  
your attention!**