

Ecological structure of plant, insect and bird biodiversity and approaches to increasing the rationality of organic farming management (the case of Ukraine)

Nataliia Miroshnyk*, Tetiana Grabovska, Vitalij Lavrov, Tatiana Shupova, Mykola Grabovskyi, Yuri Ternovyi, Hynek Roubík, Nataliia Prysiazhniuk

Appendix 1. Structure of insect dominance in crops of organic farming.

Family	Winter wheat		Buckwheat		Soybean		Functional specialization*
	number of individuals	domination	number of individuals	domination	number of individuals	domination	
<i>Thripidae</i>			<i>Thysanoptera</i>				R
			10	SD			
			<i>Hemiptera</i>				
<i>Anthocoridae</i>	3	SD	24	D			F
<i>Cicadellidae</i>					1	R	R
<i>Miridae</i>			7	SD	1	R	R
<i>Rhopalidae</i>			2	SR			R
<i>Scutelleridae</i>	2	SD					R
			<i>Coleoptera</i>				
<i>Cantharidae</i>	1	R					F
<i>Chrysomelidae</i>	1	R			1	R	R
<i>Coccinellidae</i>	3	SD	12	SD	2	SD	F
<i>Curculionidae</i>	2	SD			2	SD	R
<i>Elateridae</i>			1	SR			R
<i>Latridiidae</i>	6	D					T
<i>Nitidulidae</i>			1	SR			R
<i>Scarabaeidae</i>	14	EU			1	R	R
			<i>Neuroptera</i>				
<i>Chrysopidae</i>	2	SD	20	D			F
			<i>Lepidoptera</i>				
<i>Nymphalidae</i>					1	R	R
<i>Plutellidae</i>			9	SD			R
			<i>Diptera</i>				
<i>Agromyzidae</i>	9	EU	9	SD	19	EU	R
<i>Anthomyiidae</i>			16	D	8	EU	R
<i>Cecidomyiidae</i>	5	D			4	D	R
<i>Chloropidae</i>			44	EU	1	R	R
<i>Syrphidae</i>	3	SD	15	D	2	SD	F
<i>Tachinidae</i>			1	SR			S
<i>Tephritidae</i>			3	R	1	R	R
			<i>Hymenoptera</i>				
<i>Apidae</i>			59	EU			O
<i>Braconidae</i>	2	SD	2	SR	6	EU	S
<i>Chalcididae</i>	9	EU	23	D	8	EU	S
<i>Halictidae</i>			6	SD			O

<i>Megachilidae</i>		1	SR	O
<i>Sphecidae</i>		2	SR	O
<i>Tenthredinidae</i>		9	SD	R
Total	62	276	58	

*Here and Figure 4: F – predators, T – saprophages, R – phytophages, S – parasites, O – pollinators; EU – eudominants; D – dominants; SD – subdominants; R – recedents; SR – subrecedents.