

**Supplementary file:** List of pesticides determined in the soils under study

**PESTICIDES THAT WERE DETERMINED IN THE SOILS UNDER STUDY**

**Gas chromatography – (μECD) and (NPD) (20 compounds in total)**

Cymoxanil	Malathion	Oxadixyl	Deltamethrin	Tebuconazole
Dimethoate	Folpet	Propiconazole	Methamidophos	Dimethomorph 1
Chlorothalonil	Profenofos	L-cyhalothrin	Metalaxyl	Dimethomorph 2
m-parathion	Cyproconazole	Difenoconazole	Oxadixyl	Azoxystrobin

**Multi-residue method: LC-MS/MS, (328 compounds in total)**

2-(1-naphthyl) acetamide	cycloxydim	fenthion-oxon-sulfoxid	metconazole (sum of isomers)	pyridaphenthion pyridate
6-benzyladenine	cymiazole	fenuron	methabenzthiazuron	Pyridate (sum of pyridate, its hydrolysis product CL 9673 (6-chloro-4-hydroxy-3-phenylpyridine) and hydrolysable conjugates of CL 9673 expressed as p pyrfenex pyrimethanil pyriofenone quinclorac quinmerac quinoxifen quizalofop, incl. quizalofop-P quizalofop-ethyl rimsulfuron rotenone sethoxydim simazine spinetoram spinetoram I spinetoram II spinosad: sum of spinosyn A
abamectin	cymoxanil	flazasulfuron	methamidophos	
acephate	cyproconazole	flonicamid	methiocarb	
acetamiprid	cyprodinil	florasulam	methiocarb (sum of methiocarb and methiocarb-sulfoxide and sulfone, expressed as methiocarb-methiocarb-sulfon-methiocarb-sulfoxide and metolachlor and metolachlor-S (metolachlor including other mixtures of constituent isomers including S-metolachlor (sum of isomers)) methomyl methoxyfenozide metobromuron metosulam metoxuron metsulfuron-methyl molinate monocrotophos monolinuron myclobutanil	
acibenzolar-methyl (sum of acibenzolar-methyl and acibenzolar (free conjugated), expressed as acibenzolar-methyl) acibenzolar-acid acibenzolar-S-methyl	S-dazomet demethon-s-methyl and demeton-S-methyl-sulfon acid diafenthiuron dicrotophos as diethofencarb S-difenoconazole diflubenzuron diflufenican dimefox Dimethenamid including other mixtures of constituent isomers including dimethenamid-P (sum of isomers) dimethoate dimethoate (sum of dimethoate and omethoate expressed as dimethoate)	fluazifop-P butyl fluazifop-P-butyl (fluazifop acid (free)) fluazinam flubendiamide flufenacet flufenoxuron fluometuron fluopicolide fluopyram fluoxastrobin flupyradifurone flupyr-sulfuron-methyl fluquinconazole flurochloridone fluoxypyrr flurtamone flusilazole flutolanil flutriafol fluxapyroxad FM-6 fonofos		

asulam	dimethomorph	foramsulfuron	napropamide	and spinosyn D,
atrazine	(sum of isomers)	forchlorfenuron	nicosulfuron	expressed as
azadirachtin	dimoxystrobin	fosthiazate	nitenpyram	spinosad
azamethiphos	diniconazole	fuberidazole	novaluron	spinosyn A
azimsulfuron	dinotefuran	furalaxyl	nuarimol	spinosyn D
azinphos-ethyl	disulfoton	furathiocarb	ofurace	spirotetramat
azinphos-methyl	disulfoton (sum	haloxyfop - R	omethoate	spirotetramat
azoxystrobin	of disulfoton,	haloxyfop	oxadixyl	and its 4
beflubutamid	disulfoton	including	oxamyl	metabolites
bendiocarb	sulfoxide, and	haloxyfop-R	oxycarboxin	BYI08330-
bensulfuron-	disulfoton	(Haloxifop- R	oxydemeton-methyl	enol,
methyl	sulfone	methyl ester	oxydemeton-methyl	BYI08330- keto
benthiavalicarb	expressed as	and haloxyfop-	(sum of hydroxy,	BYI08330-
bispyribac-	disulfoton)	R expressed as	oxydemeton-methyl	BYI08330-
sodium	disulfoton-	haloxyfop-R)	and demeton-S-	monohydroxy,
bitertanol (sum of	sulfone	haloxyfop-	methylsulfone	and BYI08330
isomers)	disulfoton-	methyl	expressed as	enol-glucoside,
bixafen	sulfoxide	hexaconazole	oxydemeton-	expressed as
boscalid	diuron	hexazinone	methyl)	spirotetramat
bromacil	dodemorph	hexythiazox	paclobutrazol	spirotetramat-
bromuconazole	dodine	imazalil	penconazole	enol
(sum of emamectin	emamectin	imazamox	pencycuron	spirotetramat-
diastereoisomers)	benzoate B 1a	imazapyr	penoxsulam	enol- glucoside
bupirimate	emamectin	imazaquin	pethoxamid	spirotetramat-
buprofezin	benzoate B 1a,	imazosulfuron	phenmedipham	keto-hydrox
carbaryl	expressed as	imidacloprid	phenthoate	spirotetramat-
carbendazim and	emamectin	indoxacarb	phosphamidon	mono- hydrox
benomyl (sum of	emamectin	(sum of	phoxim	spiroxamine
benomyl and	benzoate B 1b	indoxacarb and	picolinafen	(sum of
carbendazim	epoxiconazole	its R	picoxystrobin	isomers) of
expressed as	ethametsulfuron-	enantiomer)	pinoxaden	sulfosulfuron
carbendazim)	methyl	iodosulfuron-	pirimicarb	sulfoxaflor
carbetamide (sum	ethiofencarb	methyl	prochloraz	tebuconazole
of carbetamide	ethirimol	(iodosulfuron-	profenofos	tebufenozone
and its S isomer)	ethoxysulfuron	methyl	promecarb	tebufenpyrad
carbofuran	etoxazole	including salts,	propamocarb (sum	tepraloxymid
carbofuran (3-	fenamidone	expressed as	of propamocarb and	terbufos
OH-)	fenamiphos	iodosulfuron-	its salt expressed as	terbufos-sulfon
carbofuran (sum	fenamiphos	methyl)	propamocarb)	terbufos-
of carbofuran	sulfone	iprobenfos	propanil	sulfoxide
including any	fenamiphos	- iprodione	propaquizafof	tetraconazole
carbofuran	sulfoxide	iprovalicarb	propazine	tetramethrin
generated from	fenamiphos	isoprothiolane	propham (IPC)	thiabendazole
carbosulfan,	(sum of	isoproturon	propiconazole (sum	thiacloprid
benfuracarb, or	fenamiphos and	(IPU)	of isomers)	thiamethoxam
furathiocarb) and	its sulphoxide	isopyrazam	propoxur	thifensulfuron-
3-OH carbofuran	and sulphone	isoxaben	propyzamide	methyl

expressed as carb	expressed	as	kresoxim-	proquinazid	thiobencarb
carbosulfan	fenamiphos)		methyl	prosulfocarb	thiodicarb
carboxin	fenarimol		lenacil	prosulfuron	thionazin
carfentrazone-	fenazaquin		linuron	prothioconazole:	thiophanate-
ethyl (determined	fenbuconazole		lufenuron	prothioconazole-	methyl
as carfentrazone	fenhexamid		mandipropamid	desthio (sum of	triadimefon
and expressed as	fenobucarb		mepanipyrim	isomers)	triadimenol
carfentrazone-	fenoxaprop-P		mesosulfuron-	pymetrozine	triadimenol
ethyl)	fenoxaprop-P-		methyl	pyraclostrobin	(inactief)
chlorantraniliprole	ethyl		metaflumizone	pyraflufen-ethyl	triasulfuron
(DPX E-2Y45)	fenoxycarb		(sum of E- and	pyrethrin I	triazophos
chlorbromuron	fenpiclonil		Z- isomers)	pyrethrin II	trichlorfon
chlorfenvinphos	fenpropidin		metalaxyl and	pyrethrins	tricyclazole
chlorfluazuron	(sum of	of	metalaxyl- M	pyridafol	tridemorph
chloridazon	fenpropidin and		(metalaxyl	pyridalyl	trifloxystrobin
chlorotoluron	its salts,	including	other		triflumizole
chloroxuron	expressed as	mixtures of			triflumizole
chlorsulfuron	fenpropidin)	constituent			triforine
cinerin I	fenpyrazamine	isomers			trinexapac (sum
cinerin II	fenpyroximate	including			of trinexapac
clethodim	fensulfothion	metalaxyl-M			(acid) and its
clethodim (sum of	fensulfothion-	(sum of	of		salts, expressed
sethoxydim and	oxon	isomers))			as trinexapac)
clethodim	fensulfothion-	metamitron			triticonazole
including	oxon-sulfon	metazachlor			valifenalate
degradation	fensulfothion-				vamidothion
products	sulfon				zoxamide
calculated as	fenthion				
sethoxydim)	fenthion - sulfon				
clodinafop	fenthion -				
clodinafop and its	sulfoxide				
S- isomers and	Fenthion				
their salts,	(fenthion and its				
expressed as	oxygen				
clodinafop	analogue, their				
clodinafop-	sulfoxides and				
propargyl	sulfone				
clofentezine	expressed as				
clomazone	parent)				
clothianidin	fenthion-oxon				
cyantraniliprole	fenthion-oxon-				
cyazofamid	sulfone				