

National Groundwater Monitoring NAQUA

Federal Office for the Environment FOEN

Active substances and metabolites of pesticides in groundwater

Period of time 2007 - 2022
Monitoring site Module SPEZ and TREND
Comments Maximum value per monitoring site

Active substance	Metabolite	Classification during the approval procedure*	Monitoring sites [number]																	
			Concentration >0.1 µg/l																	
			2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2007-2022	
2,4-D			-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	2
Atrazin			14	6	7	7	6	6	4	3	2	2	1	2	1	1	1	2	15	
(Atrazin)	Desethyl-atrazin	rel.	18	13	13	12	13	13	9	5	6	2	2	2	3	3	3	2	22	
(Atrazin, Simazin)	Desethyl-desisopropyl-atrazin	n. ev.	-	-	-	-	-	-	-	/	/	/	2	/	-	-	-	1	3	
(Atrazin, Simazin)	Desisopropyl-atrazin	rel.	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
Bentazon			-	-	2	3	-	-	1	4	6	3	2	3	2	4	3	3	16	
(Chloridazon)	Desphenyl-chloridazon (B)	n. rel.	2	2	-	89	80	83	83	84	87	82	77	84	81	73	74	68	104	
(Chloridazon)	Methyl-desphenyl-chloridazon (B1)	n. rel.	-	-	-	24	27	24	27	24	26	26	19	25	23	18	20	17	35	
(Chlorothalonil)	Chlorothalonil R417888	#	/	/	/	/	/	/	/	/	/	/	10	18	44	41	36	32	56	
(Chlorothalonil)	Chlorothalonil R419492	#	/	/	/	/	/	/	/	/	/	/	9	/	5	5	10	17	17	
(Chlorothalonil)	Chlorothalonil R471811	#	/	/	/	/	/	/	/	/	/	/	20	29	30	174	174	162	191	
(Chlorothalonil)	Chlorothalonil R611968	rel.	/	/	/	/	/	/	/	/	/	/	-	-	/	-	1	-	1	
(Chlorothalonil)	Chlorothalonil SYN 507900	rel.	/	/	/	/	/	/	/	/	/	/	1	2	1	5	7	4	8	
(Chlorothalonil)	Chlorothalonil SYN 548008	rel.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1	/	1	
(Chlorothalonil)	Chlorothalonil SYN 548580	n. ev.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1	1	1	
Chlortoluron			-	-	-	-	-	-	1	-	-	-	2	-	1	2	-	1	4	
Cycloxydim	Cycloxydim BH 517-TSO	n. ev.	/	/	/	/	/	/	/	/	/	/	/	-	-	/	/	-	1	
Cycluron			/	/	/	/	/	/	/	/	/	/	/	-	1	/	/	-	1	
(Dichlobenil, Fluopicolid)	2,6-Dichlorbenzamid (BAM)	n. rel.	13	13	15	8	13	8	7	10	7	4	3	4	4	5	4	3	25	
(Cyazofamid, Dichlofluanid, Tolyfluanid)	N,N-Dimethylsulfamid	n. rel.	-	-	/	8	6	2	7	5	4	3	5	5	2	2	3	4	9	
(Dimethachlor)	Dimethachlor CGA 369873	n. rel.	/	/	/	/	/	/	/	/	/	/	-	-	1	10	16	15	23	
(Dimethachlor)	Dimethachlor-ESA (CGA 354742)	n. rel.	-	-	/	-	-	-	1	1	-	1	1	2	3	2	3	3	8	
(Dimethachlor)	Dimethachlor-OXA (CGA 50266)	n. rel.	-	-	/	1	-	-	-	1	-	-	-	-	-	-	-	-	3	
Dimethenamid			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
(Dimethenamid)	Dimethenamid M31	n. rel.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1	-	1	
(Dimethenamid)	Dimethenamid-ESA (M27)	n. rel.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
(Dimethenamid)	Dimethenamid-OXA (M23)	n. rel.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Ethofumesat			-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	2	
(Fludioxonil)	Fludioxonil CGA 192155	n. ev.	/	/	/	/	/	/	/	/	/	/	1	/	/	-	-	-	1	
Flufenacet			-	-	-	-	-	-	-	/	/	/	-	-	-	-	-	1	1	
Glyphosat			1	-	/	-	-	/	/	/	/	2	-	/	-	-	-	-	3	
(Glyphosat)	AMPA	n. ev.	1	-	/	-	1	/	/	/	/	-	1	/	-	-	-	-	3	
Isoproturon			-	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	3	
Lenacil			-	-	-	-	-	-	-	/	-	-	-	-	-	-	-	1	1	
MCPA			-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	2	
Mecoprop			-	-	-	-	-	-	2	1	-	1	-	1	-	1	1	1	2	
Mesotrion			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Metalddehyd			/	/	-	-	-	1	-	-	/	/	/	/	/	/	/	/	1	
Metamitron			-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	2	3	
(Metamitron)	Desamino-metamitron	n. rel.	-	-	/	/	/	-	-	-	-	-	-	-	-	-	-	2	2	
Metazachlor			-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	1	2	
(Metazachlor)	Metazachlor-ESA (BH 479-08)	n. rel.	-	-	1	1	1	2	3	1	2	1	-	1	1	2	1	-	9	
(Metazachlor)	Metazachlor-OXA (BH 479-04)	n. rel.	-	-	-	-	-	-	-	1	-	-	1	1	-	1	-	1	4	
Metolachlor			4	3	4	2	3	2	2	2	2	2	3	2	2	1	2	1	9	
(Metolachlor, Acetochlor)	Metolachlor CGA 368208	n. ev.	/	/	/	/	/	/	/	/	/	/	2	1	1	2	3	2	3	
(Metolachlor)	Metolachlor NOA 413173	n. ev.	/	/	/	/	/	/	/	/	/	/	4	/	2	9	12	13	15	
(Metolachlor)	Metolachlor-ESA (CGA 354743)	n. rel.	15	15	14	18	21	28	36	29	33	36	33	33	29	29	27	25	65	
(Metolachlor)	Metolachlor-OXA (CGA 51202)	n. rel.	2	3	2	3	4	4	4	2	3	3	3	4	5	1	6	3	14	
(Nicosulfuron)	Nicosulfuron UCSN	n. rel.	/	/	/	/	/	/	/	/	/	/	-	1	-	2	5	3	7	
Oxadixyl			-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	
(Propachlor)	Propachlor-ESA	rel.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	
Propazin			-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	
Tebuconazol			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Terbuthylazin (und Propazin)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
(Terbuthylazin)	Terbuthylazin LM6	n. rel.	/	/	/	/	/	/	/	/	/	/	1	1	1	1	2	2	2	
Triclopyr			-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	
Triclosan			-	-	/	/	/	/	/	/	/	/	-	-	-	1	1	-	1	
Tritosulfuron			/	/	/	-	-	-	-	-	-	-	-	-	-	-	1	-	1	

WPO numerical requirement (active substance): 0.1 µg/l

(...) active substance of the metabolite

* FOAG/ FSVO. Relevanz von Pflanzenschutzmittel-Metaboliten im Grund- und Trinkwasser. State 03/2022

/ no data

n. ev. not evaluated during the approval procedure

rel. classified as relevant in the approval procedure

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under dispute (interim order of the Federal Administrative Court, 15.01.21), decision pending