



National Groundwater Monitoring NAQUA

Federal Office for the Environment FOEN

Active substances and metabolites of plant protection products in groundwater

Period of time 2007 - 2017
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	2007-2017	
2,4-D			-	-	-	-	1	-	-	-	-	-	-	1	
Atrazin			14	6	7	7	6	6	4	3	2	2	1	15	
(Atrazin)	Desethyl-atrazin	rel.	18	13	13	12	13	13	9	5	6	2	2	22	
(Atrazin)	Desethyl-desisopropyl-atrazin	n. ev.	-	-	-	-	-	-	-	/	/	/	2	2	
(Atrazin)	Desisopropyl-atrazin	rel.	-	-	2	-	-	-	-	-	-	-	-	2	
Bentazon			-	-	2	3	-	-	1	4	6	3	2	11	
(Chloridazon)	Desphenyl-chloridazon	n. rel.	2	2	-	89	80	83	83	84	87	82	77	99	
(Chloridazon)	Methyl-desphenyl-chloridazon	n. rel.	-	-	-	24	27	24	27	24	26	26	19	35	
(Chlorthalonil)	Chlorthalonil-sulfonsäure (R417888)	rel.	/	/	/	/	/	/	/	/	/	/	11	11	
(Chlorthalonil)	Chlorthalonil R471811	n. rel.	/	/	/	/	/	/	/	/	/	/	20	20	
(Chlorthalonil)	Chlorthalonil SYN 507900	rel.	/	/	/	/	/	/	/	/	/	/	1	1	
Chlortoluron			-	-	-	-	-	-	1	-	-	-	2	2	
DEET			-	-	-	-	-	-	-	-	1	1	-	1	
(Dichlobenil, Fluopicolid)	2,6-Dichlorbenzamid	n. rel.	13	13	15	8	13	8	7	10	7	4	3	25	
(Dichlofluanid, Tolyfluanid)	N,N-Dimethylsulfamid (DMS)	n. rel.	-	-	/	8	6	2	7	5	4	3	5	9	
(Dimethachlor)	Dimethachlor-ESA (CGA 354742)	n. rel.	-	-	/	-	-	-	1	1	-	1	1	4	
(Dimethachlor)	Dimethachlor-OXA (CGA 50266)	n. rel.	-	-	/	1	-	-	-	1	-	-	-	2	
Ethofumesat			-	-	1	-	-	-	-	-	-	-	-	1	
(Fludioxonil)	Fludioxonil CGA 192155	n. ev.	/	/	/	/	/	/	/	/	/	/	1	1	
Glyphosat			1	-	/	-	-	/	/	/	/	2	-	3	
(Glyphosat)	AMPA	n. ev.	1	-	/	-	1	/	/	/	/	-	1	3	
Isoproturon			-	-	1	1	-	-	-	-	-	-	1	3	
MCPA			-	-	-	-	-	-	1	-	-	-	-	1	
Mecoprop			-	-	-	-	-	-	2	1	-	1	-	2	
Metaldehyd			/	/	-	-	-	1	-	-	/	/	/	1	
Metamitron			-	-	1	-	-	1	-	-	-	1	-	2	
Metazachlor			-	-	-	-	-	1	1	1	-	-	-	1	
(Metazachlor)	Metazachlor-ESA (BH 479-08)	n. rel.	-	-	1	1	1	2	3	1	2	1	-	6	
(Metazachlor)	Metazachlor-OXA (BH 479-04)	n. rel.	-	-	-	-	-	-	-	1	-	-	1	2	
Metolachlor			4	3	4	2	3	2	2	2	2	2	3	9	
(Metolachlor)	Metolachlor CGA 368208	n. ev.	/	/	/	/	/	/	/	/	/	/	2	2	
(Metolachlor)	Metolachlor NOA 413173	n. ev.	/	/	/	/	/	/	/	/	/	/	4	4	
(Metolachlor)	Metolachlor-ESA (CGA 354743)	n. rel.	15	15	14	18	21	28	36	29	33	36	33	59	
(Metolachlor)	Metolachlor-OXA (CGA 51202)	n. rel.	2	3	2	3	4	4	4	2	3	3	3	10	
Propachlor	Propachlor-ESA	rel.	-	-	-	-	-	1	-	-	-	-	-	1	
Propazin			-	-	-	1	-	-	-	-	-	-	-	1	
(Terbutylazin)	Terbutylazin LM6	n. ev.	/	/	/	/	/	/	/	/	/	/	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 06.08.19

n. ev. not evaluated during the approval procedure

rel. classified as relevant in the approval procedure

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