Schweizerische Eidgenossenschaft
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Federal Departement
of the Environment, Transport, Energy and Communications DETEC

Federal Office for the Environment FOEN

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
2,4-D			-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-
Atrazin			14	6	7	7	6	6	4	3	2	2	1	2	1	1	1	2
(Atrazin)	Desethyl-atrazin	rel.	18	13	13	12	13	13	9	5	6	2	2	2	3	3	3	2
(Atrazin, Simazin)	Desethyl-desisopropyl-atrazin	n. ev.	-	-	-	-	-	-	-	/	/	/	2	/	-	-	-	1
(Atrazin, Simazin)	Desisopropyl-atrazin	rel.	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Bentazon			-	-	2	3	-	-	1	4	6	3	2	3	2	4	3	3
(Chloridazon)	Desphenyl-chloridazon (B)	n. rel.	2	2	-	89	80	83	83	84	87	82	77	84	81	73	74	68
(Chloridazon)	Methyl-desphenyl-chloridazon (B1)	n. rel.	-	-	-	24	27	24	27	24	26	26	19	25	23	18	20	17
(Chlorothalonil)	Chlorothalonil R417888	rel.	/	/	/	/	/	/	/	/	/	/	10	18	44	41	36	32
(Chlorothalonil)	Chlorothalonil R419492	rel.	/	/	/	/	/	/	/	/	/	/	/	9	/	5	5	10
(Chlorothalonil)	Chlorothalonil R471811	rel.	/	/	/	/	/	/	/	/	/	/	20	29	30	174	174	162
(Chlorothalonil)	Chlorothalonil R611968	rel.	/	/	/	/	/	/	/	/	/	-	-	-	/	-	1	-
(Chlorothalonil)	Chlorothalonil SYN 507900	rel.	/	/	/	/	/	/	/	/	/	/	1	2	1	5	7	4
(Chlorothalonil)	Chlorothalonil SYN 548008	rel.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1	/
(Chlorothalonil)	Chlorothalonil SYN 548580	rel.	/	/	/	/	/	/	/	/	/	/	/	-	/	/	1	1
Chlortoluron			-	-	-	-	-	-	1	-	-	-	2	-	1	2	-	1
Cycloxydim	Cycloxydim BH 517-TSO	n. ev.	/	/	/	/	/	/	/	/	/	/	-	-	/	/	-	1
Cycluron			/	/	/	/	/	/	/	/	/	/	-	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
(Cyazofamid, Dichlofluanid, Tolyfluanid)	N,N-Dimethylsulfamid	n. rel.	-	-	/	8	6	2	7	5	4	3	5	5	2	2	3	4
(Dimethachlor)	Dimethachlor CGA 369873	n. rel.	/	/	/	/	/	/	/	/	/	/	-	-	1	10	16	15
(Dimethachlor)	Dimethachlor-ESA (CGA 354742)	n. rel.	-	-	/	-	-	-	1	1	-	1	1	2	3	2	3	3
(Dimethachlor)	Dimethachlor-OXA (CGA 50266)	n. rel.	-	-	/	1	-	-	-	1	-	-	-	-	-	-	1	-
Dimethenamid			-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
(Dimethenamid)	Dimethenamid M31	n. rel.	/	/	/	/	/	/	/	/	/	/	/	-	/	/	1	-
(Dimethenamid)	Dimethenamid-ESA (M27)	n. rel.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
(Dimethenamid)	Dimethenamid-OXA (M23)	n. rel.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Ethofumesat			-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-
(Fludioxonil)	Fludioxonil CGA 192155	n. ev.	/	/	/	/	/	/	/	/	/	/	1	/	/	-	-	-
Flufenacet			-	-	-	-	-	-	-	/	/	-	-	-	-	-	1	-
Glyphosat			1	-	/	-	-	/	/	/	/	2	-	/	-	-	-	-
(Glyphosat)	AMPA	n. ev.	1	-	/	-	1	/	/	/	/	-	1	/	-	-	-	-
Isoproturon			-	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-
Lenacil			-	-	-	-	-	-	-	/	-	-	-	-	-	-	1	-
MCPA			-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
Mecoprop			-	-	-	-	-	-	2	1	-	1	-	1	-	1	1	1
Mesotrion			-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Metaldehyd			/	/	-	-	-	1	-	-	/	/	/	/	/	/	/	/
Metamitron			-	-	1	-	-	1	-	-	-	1	-	-	-	-	2	-
(Metamitron)	Desamino-metamitron	n. rel.	-	-	/	/	/	-	-	-	-	-	-	-	-	-	2	-
Metazachlor			-	-	-	-	-	1	1	1	-	-	-	-	-	-	1	-
(Metazachlor)	Metazachlor-ESA (BH 479-08)	n. rel.	-	-	1	1	1	2	3	1	2	1	-	1	1	2	1	-
(Metazachlor)	Metazachlor-OXA (BH 479-04)	n. rel.	-	-	-	-	-	-	-	1	-	-	1	1	-	1	-	1
Metolachlor			4	3	4	2	3	2	2	2	2	2	3	2	2	1	2	1
(Metolachlor, Acetochlor)	Metolachlor CGA 368208	rel.	/	/	/	/	/	/	/	/	/	/	2	1	1	2	3	2
(Metolachlor)	Metolachlor NOA 413173	rel.	/	/	/	/	/	/	/	/	/	/	4	/	2	9	12	13
(Metolachlor)	Metolachlor-ESA (CGA 354743)	rel.	15	15	14	18	21	28	36	29	33	36	33	33	29	29	27	25
(Metolachlor)	Metolachlor-OXA (CGA 51202)	rel.	2	3	2	3	4	4	4	2	3	3	3	4	5	1	6	3
(Nicosulfuron)	Nicosulfuron UCSN	n. rel.	/	/	/	/	/	/	/	/	/	/	-	1	-	2	5	3
Oxadixyl			-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
(Propachlor)	Propachlor-ESA	rel.	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Propazin			-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Tebuconazol			-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Terbuthylazin (und Propazin)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
(Terbuthylazin)	Terbuthylazin LM6	n. rel.	/	/	/	/	/	/	/	/	/	/	1	1	1	1	2	2
Triclopyr			-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Triclosan			-	-	/	/	/	/	/	/	/	-	-	-	1	1	-	/
Tritosulfuron			/	/	/	-	-	-	-	-	-	-	-	-	-	-	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 10/2024
/ no data
n. ev. not evaluated during the approval procedure
rel. classified as relevant in the approval procedure
n. rel. classified as not relevant in the approval procedure

2007-2022
2
15
22
3
2
16
104
35
56
17
191
1
8
1
1
4
1
1
25
9
23
8
3
2
1
1
1
2
1
1
3
3
3
1
2
2
1
1
3
2
2
9
4
9
3
15
65
14
7
1
1
1
1
1
2
1
1
1