

## National Groundwater Monitoring NAQUA

Federal Office for the Environment FOEN

### Active substances and metabolites of pesticides in groundwater

Period of time 2020  
Monitoring site Module SPEZ and TREND  
Statistics Maximum value per monitoring site

Active substance	Metabolite	Classification during the approval procedure**	Monitoring sites [number]				Monitoring sites [%]	
			sampled	≥LOQ	>0.01 µg/l	>0.1 µg/l	>1 µg/l	>0.1 µg/l
Acetamidiprid			34	1	1	-	-	*
Atrazin			517	85	62	1	-	0.2
(Atrazin)	2-Hydroxy-atrazin	n. ev.	147	15	13	-	-	*
(Atrazin, Propazin)	Desethyl-atrazin	rel.	517	126	104	3	-	0.6
(Atrazin, Simazin, Terbutyl)	Desethyl-desisopropyl-atrazin	n. ev.	24	7	7	-	-	*
(Atrazin, Simazin)	Desisopropyl-atrazin	rel.	517	17	7	-	-	0.0
Bentazon			517	16	15	4	-	0.8
Bromacil			273	2	2	-	-	*
Chloridazon			517	2	1	-	-	0.0
(Chloridazon)	Desphenyl-chloridazon (B)	n. rel.	517	162	156	73	7	14.1
(Chloridazon)	Methyl-desphenyl-chloridazon (B1)	n. rel.	517	106	93	18	-	3.5
(Chlorothalonil)	Chlorothalonil R417888	#	517	142	141	41	1	7.9
(Chlorothalonil)	Chlorothalonil R419492	#	50	11	11	5	-	*
(Chlorothalonil)	Chlorothalonil R471811	#	514	228	228	174	21	33.9
(Chlorothalonil)	Chlorothalonil R611968	rel.	74	3	2	-	-	*
(Chlorothalonil)	Chlorothalonil SYN 507900	rel.	482	23	23	5	-	*
(Chlorothalonil)	Chlorothalonil SYN 548581	rel.	59	7	7	-	-	*
(Chlorpyrifos, Chlorpyrifos-r)	3,5,6-Trichlor-2-pyridinol	n. ev.	58	1	1	-	-	*
Chlortoluron			517	9	3	2	-	0.4
DEET			261	20	14	-	-	*
(Dichlobenil, Fluopicolid)	2,6-Dichlorbenzamid (BAM)	n. rel.	517	60	47	5	-	1.0
(Dimethachlor)	Dimethachlor CGA 369873	n. rel.	325	61	61	10	-	*
(Dimethachlor)	Dimethachlor-ESA (CGA 354742)	n. rel.	496	15	15	2	-	*
(Dimethachlor)	Dimethachlor-OXA (CGA 50266)	n. rel.	238	1	1	-	-	*
Dimethenamid			281	3	3	-	-	*
(Dimethenamid)	Dimethenamid-ESA (M27)	n. rel.	517	4	4	-	-	0.0
Diuron			517	4	-	-	-	0.0
Isoproturon			517	1	-	-	-	0.0
Lenacil			111	1	-	-	-	*
Mecoprop			517	3	3	1	-	0.2
Metalaxyl			195	1	-	-	-	*
(Metamitron)	Desamino-metamitron	n. rel.	416	3	-	-	-	*
(Metazachlor)	Metazachlor-ESA (BH 479-08)	n. rel.	517	24	22	2	-	0.4
(Metazachlor)	Metazachlor-OXA (BH 479-04)	n. rel.	440	12	12	1	-	*
Metolachlor			517	9	5	1	-	0.2
(Metolachlor, Acetochlor)	Metolachlor CGA 368208	n. ev.	356	22	22	2	-	*
(Metolachlor)	Metolachlor NOA 413173	n. ev.	357	50	47	9	-	*
(Metolachlor)	Metolachlor-ESA (CGA 354743)	n. rel.	517	115	109	29	-	5.6
(Metolachlor)	Metolachlor-OXA (CGA 51202)	n. rel.	517	31	30	1	-	0.2
Napropamid			83	1	1	-	-	*
Nicosulfuron			10	2	2	-	-	*
(Nicosulfuron)	Nicosulfuron UCSN	n. rel.	290	30	29	2	-	*
Oxadixyl			252	1	1	-	-	*
Pirimicarb			272	1	1	-	-	*
Prometryn			187	1	-	-	-	*
Prometryn und Terbutryn			19	9	-	-	-	*
Propazin			516	4	-	-	-	0.0
Prosulfocarb			10	1	-	-	-	*
Simazin			517	31	14	-	-	0.0
Tebutam			151	1	-	-	-	*
Tembotriol			10	1	1	-	-	*
Terbutylazin			517	18	4	-	-	0.0
(Terbutylazin)	Desethyl-terbutylazin (MT1)	rel.	382	11	3	-	-	*
(Terbutylazin)	Terbutylazin LM2	n. rel.	2	2	2	-	-	*
(Terbutylazin)	Terbutylazin LM5	n. ev.	347	42	42	-	-	*
(Terbutylazin)	Terbutylazin LM6	n. rel.	302	38	33	1	-	*
(Dichlofluanid, Tolyfluanid)	N,N-Dimethylsulfamid	n. rel.	228	18	18	2	-	*
Triclopyr			187	1	1	1	-	*
Triclosan			9	1	1	1	-	*

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

LOQ limit of quantitation

(...) active substance of the metabolite

\* lack of statistical reliable data at the national scale

\*\* FOAG/FSVO. Relevanz von Pflanzenschutzmittel-Metaboliten im Grund- und Trinkwasser. State 11/2021

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