

Status: 01/2023

**Basic Pesticide screen for fruits, vegetables and  
related products via LC-MS/MS  
(ASU L 00.00-115, QuEChERS)**

name	CAS RN	applications *	LOQ ** mg/kg
3-Hydroxycarbofuran	16655-82-6	I, N	0.010
5-Hydroxythiabenzazol	948-71-0	M	0.010
Acequinocyl	57960-19-7	A	0.010
Acetamiprid	135410-20-7	I	0.005
Acetochlor	34256-82-1	H	0.010
Aldicarb	116-06-3	A, I, N	0.010
Aldicarb-Sulfon (Aldoxycarb)	1646-88-4	I, N	0.010
Aldicarb-Sulfoxid	1646-87-3	I, N	0.010
Amidosulfuron	120923-37-7	H	0.005
Aminocarb	2032-59-9	I	0.005
Amisulbrom	348635-87-0	F	0.010
Azamethiphos	35575-96-3	I	0.005
Azinphos-Ethyl	2642-71-9	I, A	0.010
Azinphos-Methyl	86-50-0	I	0.010
Azoxystrobin	131860-33-8	F	0.005
Azoxystrobin (free acid)	1185255-09-7	M	0.010
Bendiocarb	22781-23-3	I	0.005
Bensulfuron-methyl	83055-99-6	H	0.005
Benthiavalicarb-Isopropyl	177406-68-7	F	0.005
Benzovindiflupyr	1072957-71-1	F	0.005
Benzoximat	29104-30-1	A	0.005
Bispyribac	125401-75-4	H	0.005
Boscalid	188425-85-6	F	0.010
Bupirimate	41483-43-6	F	0.005
Butoxycarboxim	34681-23-7	I, A	0.010
Buturon	3766-60-7	H	0.005
Carbaryl	63-25-2	I, W	0.005
Carbendazim	10605-21-7	F	0.005
Carbetamide	16118-49-3	H	0.005
Carbofuran	1563-66-2	I, N	0.005
Carboxin	5234-68-4	F	0.005
Carfentrazone-ethyl	128639-02-1	H	0.005
Chlorbenzuron	57160-47-1	F	0.005
Chlorbromuron	13360-45-7	H	0.010
Chlorfluazuron	71422-67-8	I	0.010
Chloridazon	1698-60-8	H	0.005
Chloroxuron	1982-47-4	H	0.005
Chlortoluron	15545-48-9	H	0.005

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Cinosulfuron	94593-91-6	H	0.010
Clofentezine	74115-24-5	A	0.010
Clomazone	81777-89-1	H	0.005
Clothianidin	210880-92-5	I	0.005
Cyantraniliprol	736994-63-1	I	0.005
Cyazofamid	120116-88-3	F	0.010
Cycloxydim	101205-02-1	H	0.010
Cymiazol	61676-87-7	A	0.005
Cyproconazol	94361-06-5	F	0.005
Demeton-S-methyl	919-86-8	I, A	0.010
Demeton-S-methylsulfon	17040-19-6	I, A	0.010
Demeton-S-methyl-sulfoxide	301-12-2	I	0.010
Diethofencarb	87130-20-9	F	0.005
Diethyltoluamid (DEET)	134-62-3	I	0.010
Difenoconazol	119446-68-3	F	0.005
Difenoxyuron	14214-32-5	H	0.005
Diiflufenican	83164-33-4	H	0.005
Dimefuron	34205-21-5	H	0.005
Dimethenamid	87674-68-8	H	0.005
Dimethoat	60-51-5	I, A	0.010
Dimethomorph	110488-70-5	F	0.005
Diniconazol	83657-24-3	F	0.005
Disulfoton	298-04-4	I	0.010
Disulfoton-sulfon	2497-06-5	I	0.010
Disulfoton-sulfoxid	2497-07-6	I	0.010
Diuron	330-54-1	H	0.010
Dodemorph	1593-77-7	F	0.005
Dodine	2439-10-3	F	0.025
Emamectin Bla	155569-91-8	I	0.010
Emamectin Blb	119791-41-2	I	0.010
Enoxastrobin	238410-11-2	F	0.005
Epoxiconazol	133855-98-8	F	0.005
Ethiofencarb	29973-13-5	I	0.005
Ethiofencarbsulfon	53380-23-7	I	0.005
Ethiofencarbsulfoxid	53380-22-6	I	0.010
Ethirimol	23947-60-6	F	0.005
Ethofumesate	26225-79-6	H	0.010
Etoxazol	153233-91-1	A	0.005

Status: 01/2023

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name	CAS RN	applications *	LOQ ** mg/kg
Famoxadone	131807-57-3	F	0.005
Fenamidon	161326-34-7	F	0.005
Fenazaquin	120928-09-8	A, I	0.005
Fenfuram	24691-80-3	F	0.010
Fenobucarb	3766-81-2	I	0.005
Fenoxaprop-P	113158-40-0	H	0.010
Fenoxycarb	72490-01-8	I	0.005
Fenpropidin	67306-00-7	F	0.005
Fenpropimorph	67564-91-4	F	0.005
Fenpyrazamine	473798-59-3	F	0.005
Fenpyroximate	134098-61-6	A, I	0.005
Fenuron	101-42-8	H	0.010
Flampropisopropyl	52756-22-6	H	0.005
Flampropmethyl	52756-25-9	H	0.005
Flazasulfuron	104040-78-0	H	0.010
Flocoumafen	90035-08-8	R	0.010
Fluazifopbutyl	69806-50-4	H	0.005
Fluazifop-P-acid	83066-88-0	H	0.005
Flubendiamide	272451-65-7	I	0.025
Flufenacet	142459-58-3	H	0.005
Flufenoxuron	101463-69-8	I, A	0.010
Fluometuron	2164-17-2	H	0.010
Fluopicolid	239110-15-7	F	0.005
Fluopyram	658066-35-4	F, N	0.005
Fluoroglycofenethyl	77501-90-7	H	0.005
Fluoxastrobin	361377-29-9	F	0.005
Flupyradifurone	951659-40-8	I	0.005
Fluridone	59756-60-4	F	0.005
Flurochloridone	61213-25-0	H	0.010
Flurtamone	96525-23-4	H	0.005
Flutolanil	66332-96-5	F	0.005
Fomesafen	72178-02-0	H	0.005
Foramsulfuron	173159-57-4	H	0.005
Forchlorfenuron	68157-60-8	W	0.010
Formetanat-HCl	23422-53-9	I, A	0.005
Fosthiazate	98886-44-3	N, I	0.005
Furathiocarb	65907-30-4	I	0.005
Halauxifen	943832-60-8	H, M	0.010

Status: 01/2023

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name	CAS RN	applications *	LOQ ** mg/kg
Halauxyfen-methyl	943831-98-9	H	0.005
Haloxyfopethyl	87237-48-7	H	0.005
Haloxyfopmethyl	72619-32-0	H	0.005
Hexaconazol	79983-71-4	F	0.005
Hexazinon	51235-04-2	H	0.005
Hexythiazox	78587-05-0	A	0.005
Imazalil	35554-44-0	F	0.010
Imazapyr	81334-34-1	H	0.010
Imazaquin	81335-37-7	H	0.010
Imazethapyr	81335-77-5	H	0.010
Imazosulfuron	122548-33-8	H	0.005
Imidacloprid	105827-78-9	I	0.005
Indaziflam	950782-86-2	H	0.005
Indoxacarb	144171-61-9	I	0.005
Iodosulfuronmethyl	185119-76-0	H	0.005
Iprovalicarb	140923-17-7	F	0.005
Isazophos	42509-80-8	I, N	0.005
Isofetamid	875915-78-9	F	0.005
Isoprothiolan	50512-35-1	F, W	0.005
Isoproturon	34123-59-6	H	0.005
Isoxaben	82558-50-7	H	0.005
Isoxathion	18854-01-8	I	0.005
Linuron	330-55-2	H	0.005
Malaoxon	1634-78-2	I	0.005
Malathion	121-75-5	I, A	0.005
Mandestrobin	943832-60-8	F	0.005
Mandipropramid	374726-62-2	F	0.010
Mefentrifluconazol	1417782-03-6	F	0.010
Mepanipyrim	110235-47-7	F	0.005
Mepronil	55814-41-0	F	0.005
Metaflumizone	139968-49-3	I	0.005
Metamitron	41394-05-2	H	0.010
Metazachlor	67129-08-2	H	0.005
Metconazol	125116-23-6	F	0.005
Methabenzthiazuron	18691-97-9	H	0.005
Methiocarb	2032-65-7	I, A	0.005
Methiocarb-sulfon	2179-25-1	I, A	0.010
Methiocarbsulfoxid	2635-10-1	I, A	0.010
Methomyl	16752-77-5	I, A	0.010
Methoxyfenozid	161050-58-4	I	0.005

Status: 01/2023

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name	CAS RN	applications *	LOQ ** mg/kg
Metobromuron	3060-89-7	H	0.005
Metolachlor	51218-45-2	H	0.005
Metosulam	139528-85-1	H	0.005
Metoxuron	19937-59-8	H	0.010
Metsulfuron-Methyl	74223-64-6	H	0.010
Monolinuron	1746-81-2	H	0.005
Monuron	150-68-5	H	0.010
N,N-Dimethyl-N'-Phenylsulfamid (DMSA)	4710-17-2	M	0.010
N,N-Dimethyl-N'-Tolylsulfonylamid (DMST)	66840-71-9	M	0.010
Napropramid	15299-99-7	H	0.005
Neburon	555-37-3	H	0.005
Nitenpyram	120738-89-8	I	0.010
Norflurazon	27314-13-2	H	0.005
Novaluron	116714-46-6	I	0.010
Ofurace	58810-48-3	F	0.005
Omethoat	1113-02-6	I, A	0.010
Oxadixyl	77732-09-3	F, I	0.010
Oxamyl	23135-22-0	I, A, N	0.010
Oxathiapiprolin	1003318-67-9	F	0.005
Oxycarboxin	5259-88-1	F	0.010
Paclobutrazol	76738-62-0	W	0.010
Penconazol	66246-88-6	F	0.005
Pencycuron	66063-05-6	F	0.005
Penthiopyrad	183675-82-3	F	0.005
Penthiopyrad-Carboxamid	937717-66-3	M	0.005
Pethoxamid	106700-29-2	H	0.005
Phenamacril	39491-78-6	F	0.005
Phenothrin	26002-80-2	I	0.010
Phosphamidon	13171-21-6	I, A	0.005
Phoxim	14816-18-3	I	0.005
Picoxystrobin	117428-22-5	F	0.005
Pirimicarb	23103-98-2	I	0.005
Pirimicarb, Desmethyl-	30614-22-3	I	0.010
Prochloraz	67747-09-5	F	0.005
Promecarb	2631-37-0	I	0.005
Propachlor	1918-16-7	H	0.005
Propaquizafop	111479-05-1	H	0.010
Propargite	2312-35-8	A	0.005
Propoxur	114-26-1	I	0.005
Proquinazid	189278-12-4	F	0.005
Prosulfocarb	52888-80-9	H	0.005

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name	CAS RN	applications *	LOQ ** mg/kg
Prosulfuron	94125-34-5	H	0.005
Prothoat	2275-18-5	I, A	0.005
Pyraclostrobin	175013-18-0	F	0.010
Pyraflufen-ethyl	129630-19-9	H	0.005
Pyridaben	96489-71-3	I, A	0.005
Pyrifenox	88283-41-4	F	0.025
Pyrimethanil	53112-28-0	F	0.005
Pyriofenon	688046-61-9	F	0.005
Pyriproxyfen	95737-68-1	I	0.005
Pyrisoxazol	847749-37-5	F	0.005
Pyroxsulam	422556-08-9	H	0.005
Quinoxifen	124495-18-7	F	0.005
Quizalofopethyl	100760-10-9	H	0.005
Quizalofop-tefuryl	119738-06-6	H	0.005
Rimsulfuron	122931-48-0	H	0.005
Rotenon	83-79-4	I, A	0.005
Saflufenacil	372137-35-4	H	0.010
Spinetoram J	187166-40-1	I	0.005
Spinetoram L	187166-15-0	I	0.005
Spinosad	168316-95-8	I	-
Spinosin A	131929-60-7	I	0.010
Spinosin D	131929-63-0	I	0.010
Spiromesifen	283594-90-1	I, A	0.005
Spirotetramat	203313-25-1	I	0.005
Spiroxamin	118134-30-8	F	0.010
Sulfentrazone	122836-35-5	H	0.010
Sulfosulfuron	141776-32-1	H	0.005
Sulfoxaflor	946578-00-3	I	0.010
Tebuconazol	107534-96-3	F	0.005
Tebufenozide	112410-23-8	I	0.005
Tebufenpyrad	119168-77-3	A	0.005
Tebutam	35256-85-0	H	0.005
Tebuthiuron	34014-18-1	H	0.005
Tetraconazol	112281-77-3	F	0.005
Thiabendazol (TBZ)	148-79-8	F	0.005
Thiacloprid	111988-49-9	I	0.005
Thiamethoxam	153719-23-4	I	0.010
Thifensulfuron-methyl	79277-27-3	H	0.005
Tolfenpyrad	129558-76-5	I	0.010
Triasulfuron	82097-50-5	H	0.005
Tricyclazol	41814-78-2	F	0.005

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Trifloxystrobin	141517-21-7	F	0.005
Trifloxysulfuron-Na	145099-21-4	H	0.005
Triflumizole	68694-11-1	F	0.005
Triflusulfuronmethyl	126535-15-7	H	0.005
Triticonazol	131983-72-7	F	0.010

\* applications: A Acaracide, F Fungicide, H Herbicide, I Insecticide, M Metabolit, N Nematocide, O others, S Synergist, W Plant growth regulator

\*\* LOQ: limit of quantitation is validated according SANCO/12495/2011. The LOQ mentioned for the single pesticide components is based on foodstuff produced from plant material. In other products and in rare special cases the limit may be higher depending on the individual matrix.