

Plant protection products placed on the market (expressed in kgs)

AT
2023

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		QTY_PEST_SALES		
		Quantity of active substance placed on the market		
PPM_TOT	PESTICIDES PLACED ON THE MARKET, TOTAL	5355412		
PPM_PU	Pesticides placed on the market for professional users			
PPM_AGR1	Of which intended for use in agriculture			
PPM_FORE	Of which intended for use in forestry			
PPM_AMU	Of which intended for other professional uses			
PPM_STOR	Of which solely used in storage			
PES_F	FUNGICIDES AND BACTERICIDES	1778889		
F01	Inorganic fungicides	1223239		
F01_01	Copper compounds	130474		
F01_01_01	Bordeaux mixture		M	
F01_01_02	Copper hydroxide	41890		
F01_01_03	Copper oxide		M	
F01_01_04	Copper oxychloride	84888		
F01_01_05	Tribasic copper sulfate	3696		
F01_01_06	Other copper salts n.e.c.		M	
F01_02	Inorganic sulphur	708792		
F01_02_01	Sulphur	708792		
F01_99	Other inorganic fungicides	383973		
F01_99_01	Lime sulphur (calcium polysulphid)	32522		
F01_99_02	Potassium iodide		M	
F01_99_03	Potassium phosphonates (formerly potassium phosphite)	114665		
F01_99_04	Potassium thiocyanate		M	
F01_99_06	Disodium phosphonate	7596		
F01_99_07	Potassium hydrogen carbonate	229101		
F01_99_08	Sodium hydrogen carbonate (low risk active substance)	89		

F01_99_99	Other inorganic fungicides n.e.c.		M	
F02	Fungicides based on carbamates and dithiocarbamates	93318		
F02_01	Carbanilate fungicides		M	
F02_01_01	Diethofencarb		M	
F02_02	Carbamate fungicides	22258		
F02_02_01	Benthiavalicarb	545		
F02_02_02	Iprovalicarb	3501		
F02_02_03	Propamocarb	18212		
F02_03	Dithiocarbamate fungicides	71060		
F02_03_01	Mancozeb		M	
F02_03_02	Maneb		M	
F02_03_03	Metiram	39695		
F02_03_04	Propineb		M	
F02_03_05	Thiram		M	
F02_03_06	Ziram	31365		
F02_99	Other fungicides based on carbamates and dithiocarbamates		M	
F02_99_99	Other fungicides based on carbamates and dithiocarbamates n.e.c.		M	
F03	Fungicides based on benzimidazoles	0		
F03_01	Benzimidazole fungicides	0		
F03_01_01	Carbendazim		M	
F03_01_02	Fuberidazole		M	
F03_01_03	Thiabendazole	0		
F03_01_04	Thiophanate-methyl		M	
F03_99	Other fungicides based on benzimidazoles		M	
F03_99_99	Other fungicides based on benzimidazoles n.e.c.		M	
F04	Fungicides based on imidazoles and triazoles	100517		
F04_01	Conazole fungicides	89350		
F04_01_01	Bitertanol		M	
F04_01_02	Bromuconazole	0		
F04_01_03	Cyproconazole		M	
F04_01_04	Difenoconazole	11086		
F04_01_05	Epoxiconazole		M	
F04_01_06	Etridiazole		M	

F04_01_07	Fenbuconazole		M	
F04_01_08	Fluquinconazole		M	
F04_01_09	Flusilazole		M	
F04_01_10	Flutriafol		M	
F04_01_11	Imazalil (aka enilconazole)	0		
F04_01_12	Ipconazole	35		
F04_01_13	Metconazole	1521		
F04_01_14	Myclobutanil		M	
F04_01_15	Penconazole	440		
F04_01_16	Propiconazole		M	
F04_01_17	Prothioconazole	35243		
F04_01_18	Tebuconazole	30529		
F04_01_19	Tetraconazole	1471		
F04_01_20	Triadimenol		M	
F04_01_21	Triflumizole		M	
F04_01_22	Triticonazole	642		
F04_01_23	Mefentrifluconazole	8383		
F04_02	Imidazole fungicides	3389		
F04_02_01	Cyazofamid	3389		
F04_02_02	Fenamidone		M	
F04_02_03	Triazoxide		M	
F04_99	Other fungicides based on imidazoles and triazoles	7778		
F04_99_01	Ametoctradin	7733		
F04_99_02	Amisulbrom	45		
F04_99_03	Tricyclazole		M	
F04_99_99	Other fungicides based on imidazoles and triazoles n.e.c.		M	
F05	Fungicides based on morpholines	6081		
F05_01	Morpholine fungicides	6081		
F05_01_01	Dimethomorph	6081		
F05_01_02	Dodemorph		M	
F05_01_03	Fenpropimorph		M	
F05_99	Other fungicides based on morpholines		M	
F05_99_99	Other fungicides based on morpholines n.e.c.		M	

F06	Fungicides of microbiological or botanical origin	59473		
F06_01	Microbiological fungicides	59401		
F06_01_01	Ampelomyces quisqualis strain AQ10		M	
F06_01_02	Aureobasidium pullulans (strains DSM 14940 and DSM 14941)	234		
F06_01_021	<i>Aureobasidium pullulans strain DSM 14940</i>			
F06_01_022	<i>Aureobasidium pullulans strain DSM 14941</i>			
F06_01_03	Bacillus amyloliquefaciens (formerly subtilis) str. QST 713	7161		
F06_01_04	Coniothyrium minitans Strain CON/M/91-08 (DSM 9660)	796		
F06_01_05	Clonostachys rosea strain J1446 (Gliocladium catenulatum strain J1446)	2208		
F06_01_08	Pseudomonas chlororaphis strain MA342	34721		
F06_01_09	Pseudozyma flocculosa		M	
F06_01_11	Trichoderma harzianum strains T-22 and ITEM 908		M	
F06_01_111	<i>Trichoderma afroharzianum strain T-22 (Formerly Trichoderma harzianum strain T-22)</i>		M	
F06_01_112	<i>Trichoderma atrobrunneum (formerly Trichoderma harzianum) strain ITEM 908</i>		M	
F06_01_12	Candida oleophila strain O	0		
F06_01_14	Phlebiopsis gigantea (several strains)		M	
F06_01_141	<i>Phlebiopsis gigantea strain FOC PG 410.3</i>		M	
F06_01_142	<i>Phlebiopsis gigantea strain VRA 1835</i>		M	
F06_01_143	<i>Phlebiopsis gigantea strain VRA 1984</i>		M	
F06_01_15	Pseudomonas sp. Strain DSMZ 13134	0		
F06_01_16	Pythium oligandrum M1	0		
F06_01_17	Streptomyces K61 (formerly S. griseoviridis)		M	
F06_01_18	Trichoderma asperellum (formerly T. harzianum) strains ICC012, T25 and TV1	0		
F06_01_181	<i>Trichoderma asperellum (formerly t. Harzianum) strain ICC012</i>	0		
F06_01_182	<i>Trichoderma asperellum (formerly T. harzianum) strain T25</i>	0		
F06_01_183	<i>Trichoderma asperellum (formerly T. harzianum) strain TV1</i>	0		
F06_01_19	Trichoderma asperellum strain T34	13880		
F06_01_20	Trichoderma atroviride (formerly T. harzianum) strain T11 and IMI 206040		M	
F06_01_201	<i>Trichoderma atroviride (formerly t. Harzianum) strain IMI 206040</i>		M	
F06_01_202	<i>Trichoderma atroviride (formerly T. harzianum) strain T11</i>		M	
F06_01_21	Trichoderma atroviride strain I-1237		M	
F06_01_22	Trichoderma gamsii (formerly t. Viride) strain ICC080		M	
F06_01_23	Trichoderma polysporum strain IMI 206039		M	

F06_01_24	Verticillium albo-atrum (formerly Verticillium dahliae) strain WCS850		M	
F06_01_25	Bacillus amyloliquefaciens MBI 600		M	
F06_01_26	Bacillus amyloliquefaciens strain FZB24	370		
F06_01_27	Saccharomyces cerevisiae strain LAS02		M	
F06_01_28	Trichoderma atroviride strain SC1	6		
F06_01_29	Bacillus amyloliquefaciens subsp. plantarum D747	0		
F06_01_30	Bacillus pumilus QST 2808		M	
F06_01_31	Metschnikowia fructicola strain NRRL Y-27328		M	
F06_01_32	Streptomyces lydicus WYEC 108		M	
F06_01_33	Abe-IT 56		M	
F06_01_34	Bacillus subtilis strain IAB/BS03		M	
F06_01_35	Aspergillus flavus strain MUCL 54911		M	
F06_01_36	Verticillium nonalfae strain Vert56	25		
F06_01_37	Bacillus amyloliquefaciens AH2		M	
F06_01_38	Bacillus amyloliquefaciens IT-45		M	
F06_01_39	Trichoderma atroviride AGR2		M	
F06_01_40	Trichoderma atroviride AT10		M	
F06_02	Botanical fungicides		M	
F06_02_01	Eugenol		M	
F06_02_02	Geraniol		M	
F06_02_03	Thymol		M	
F06_02_04	Extract from tea tree		M	
F06_02_05	Laminarin		M	
F06_02_06	Fen 560 (fenugreek seed powder)		M	
F06_02_07	Reynoutria sachalinensis extract		M	
F06_02_08	Aqueous extract from the germinated seeds of sweet Lupinus albus		M	
F06_99	Other fungicides of microbiological or botanical origin	72		
F06_99_01	Cerevisane	72		
F06_99_99	Other fungicides of microbiological or botanical origin n.e.c.		M	
F07	Bactericides		M	
F07_01	Inorganic bactericides		M	
F07_01_01	Sodium hypochlorite		M	
F07_01_02	Aluminium sulphate		M	

F07_99	Other bactericides		M	
F07_99_01	Kasugamycin		M	
F07_99_02	Streptomycin		M	
F07_99_03	Aluminium potassium sulphate dodecahydrate		M	
F99	Other fungicides and bactericides	296261		
F99_01	Aliphatic nitrogen fungicides	4358		
F99_01_01	Cymoxanil	4358		
F99_01_02	Dodine		M	
F99_01_03	Guazatine		M	
F99_02	Amide fungicides	25239		
F99_02_01	Cyflufenamid	562		
F99_02_02	Fluopicolide	2132		
F99_02_03	Prochloraz		M	
F99_02_04	Silthiofam		M	
F99_02_05	Zoxamide	6923		
F99_02_06	Mandipropamid	3982		
F99_02_07	Penthiopyrad	0		
F99_02_08	Benzovindiflupyr	4655		
F99_02_09	Isofetamid	240		
F99_02_10	Mandestrobin	0		
F99_02_11	Fluopyram	6745		
F99_03	Anilide fungicides	23821		
F99_03_01	Benalaxyl		M	
F99_03_02	Boscalid (formerly nicobifen)	6255		
F99_03_03	Carboxin		M	
F99_03_04	Fenhexamid	1035		
F99_03_05	Flutolanil	349		
F99_03_06	Metalaxyl-m	102		
F99_03_07	Metalaxyl	652		
F99_03_08	Benalaxyl-m	1406		
F99_03_09	Bixafen	5046		
F99_03_12	Isopyrazam		M	
F99_03_13	Fluxapyroxad	8038		

F99_03_14	Penflufen	0		
F99_03_15	Sedaxane	938		
F99_05	Aromatic fungicides	0		
F99_05_01	Chlorothalonil		M	
F99_05_02	Dicloran		M	
F99_05_03	2,5-dichlorobenzoic acid methylester	0		
F99_06	Dicarboximide fungicides		M	
F99_06_01	Iprodione		M	
F99_07	Dinitroaniline fungicides	15147		
F99_07_01	Fluazinam	15147		
F99_08	Dinitrophenol fungicides	5976		
F99_08_01	Dinocap		M	
F99_08_02	Meptyldinocap	5976		
F99_09	Organophosphorus fungicides	11179		
F99_09_01	Fosetyl	11179		
F99_09_02	Tolclofos-methyl		M	
F99_10	Oxazole fungicides	779		
F99_10_01	Famoxadone		M	
F99_10_02	Hymexazol		M	
F99_10_03	Oxathiapiprolin	779		
F99_11	Phenylpyrrole fungicides	4958		
F99_11_01	Fludioxonil	4958		
F99_12	Phthalimide fungicides	126201		
F99_12_01	Captan	21272		
F99_12_02	Folpet	104929		
F99_13	Pyrimidine fungicides	7069		
F99_13_01	Bupirimate	158		
F99_13_02	Cyprodinil	4266		
F99_13_03	Mepanipyrim	0		
F99_13_04	Pyrimethanil	2645		
F99_14	Quinoline fungicides	132		
F99_14_01	8-Hydroxyquinoline incl. oxyquinoleine	132		
F99_14_02	Quinoxifen		M	

F99_15	Quinone fungicides	18323		
F99_15_01	Dithianon	18323		
F99_16	Strobilurine fungicides	15484		
F99_16_01	Azoxystrobin	9947		
F99_16_02	Dimoxystrobin	419		
F99_16_03	Fluoxastrobin	1105		
F99_16_04	Kresoxim-methyl	518		
F99_16_05	Picoxystrobin		M	
F99_16_06	Pyraclostrobin	1294		
F99_16_07	Trifloxystrobin	1244		
F99_16_08	Fenpicoxamid (formerly: Lyserphenvalpyr)	957		
F99_17	Urea fungicides		M	
F99_17_01	Pencycuron		M	
F99_17_02	Urea		M	
F99_99	Unclassified fungicides	37595		
F99_99_01	2-Phenylphenol (incl. sodium salt orthophenyl phenol)		M	
F99_99_02	Acibenzolar-S-methyl (benzothiadiazole)	0		
F99_99_04	L-ascorbic acid		M	
F99_99_05	Benzoic acid	2847		
F99_99_06	Fenpropidin	2301		
F99_99_08	Metrafenone	2623		
F99_99_09	Pyriofenone	1771		
F99_99_10	Spiroxamine	26283		
F99_99_11	Didecyldimethylammonium chloride		M	
F99_99_12	Proquinazid	1192		
F99_99_13	Valifenalate (formerly valiphenal)	240		
F99_99_14	Dimethyl disulphide		M	
F99_99_15	COS-OGA	338		
F99_99_16	Flutianil		M	
F99_99_17	Fenpyrazamine	0		
F99_99_99	Other fungicides and bactericides, not classified n.e.c.		M	
PES_H	HERBICIDES, HAULM DESTRUCTORS AND MOSS KILLERS	1162645		
H01	Herbicides based on phenoxy-phytohormones	69137		

H01_01	Phenoxy herbicides	69137		
H01_01_01	2,4-D	7718		
H01_01_02	2,4-DB		M	
H01_01_03	Dichlorprop-p	2982		
H01_01_04	MCPA	49297		
H01_01_05	MCPB	2888		
H01_01_06	Mecoprop		M	
H01_01_07	Mecoprop-P	6252		
H01_99	Other herbicides based on phenoxy-phytohormones		M	
H01_99_99	Other herbicides based on phenoxy-phytohormones n.e.c.		M	
H02	Herbicides based on triazines and triazinones	86101		
H02_02	Triazine herbicides	40268		
H02_02_01	Terbutylazine	40268		
H02_02_02	Hexazinone		M	
H02_03	Triazinone herbicides	45833		
H02_03_01	Metamitron	31451		
H02_03_02	Metribuzin	14382		
H02_99	Other herbicides based on triazines and triazinones		M	
H02_99_99	Other herbicides based on triazines and triazinones n.e.c.		M	
H03	Herbicides based on amides and anilides	368810		
H03_01	Amide herbicides	182916		
H03_01_01	Beflubutamid	394		
H03_01_02	Dimethenamid-p	170097		
H03_01_03	Isoxaben	2778		
H03_01_04	Napropamide	1877		
H03_01_05	Penoxsulam	222		
H03_01_06	Pethoxamid	5500		
H03_01_07	Propyzamide	752		
H03_01_08	Pyroxsulam	1296		
H03_02	Anilide herbicides	54552		
H03_02_01	Diflufenican	9725		
H03_02_02	Florasulam	886		
H03_02_03	Flufenacet (formerly fluthiamide)	38132		

H03_02_04	Metazachlor	5809		
H03_02_05	Metosulam		M	
H03_02_06	Propanil		M	
H03_03	Chloroacetanilide herbicides	131342		
H03_03_01	Acetochlor		M	
H03_03_02	Dimethachlor	1796		
H03_03_03	Propisochlor (ISO: 2-chloro-6'-ethyl-N-isopropoxymethylaceto-o-toluidide)		M	
H03_03_04	S-metolachlor	129546		
H03_03_05	Pretilachlor		M	
H03_99	Other herbicides based on amides and anilides		M	
H03_99_99	Other herbicides based on amides and anilides n.e.c.		M	
H04	Herbicides based on carbamates and bis-carbamates	11415		
H04_01	Bis-carbamate herbicides	11415		
H04_01_01	Chlorpropham		M	
H04_01_02	Desmedipham		M	
H04_01_03	Phenmedipham	11415		
H04_02	Carbamate herbicides		M	
H04_02_01	Asulam sodium		M	
H04_02_02	Carbetamide		M	
H04_99	Other herbicides based on carbamates and bis-carbamates		M	
H04_99_99	Other herbicides based on carbamates and bis-carbamates n.e.c.		M	
H05	Herbicides based on dinitroaniline derivatives	51224		
H05_01	Dinitroaniline herbicides	51224		
H05_01_01	Benfluralin		M	
H05_01_02	Pendimethalin	51224		
H05_01_03	Oryzalin		M	
H05_99	Other herbicides based on dinitroaniline derivatives		M	
H05_99_99	Other herbicides based on dinitroaniline derivatives n.e.c		M	
H06	Herbicides based on derivatives of urea, of uracil or of sulfonyleurea	69730		
H06_01	Sulfonyleurea herbicides	19557		
H06_01_01	Amidosulfuron	499		
H06_01_02	Azimsulfuron		M	
H06_01_03	Bensulfuron	0		

H06_01_04	Chlorsulfuron		M	
H06_01_05	Ethoxysulfuron		M	
H06_01_06	Flazasulfuron	219		
H06_01_07	Flupyrsulfuron-methyl (DPX KE 459)		M	
H06_01_08	Foramsulfuron	4746		
H06_01_09	Imazosulfuron		M	
H06_01_10	Iodosulfuron	649		
H06_01_11	Mesosulfuron	264		
H06_01_12	Metsulfuron-methyl	116		
H06_01_13	Nicosulfuron	7401		
H06_01_14	Oxasulfuron		M	
H06_01_15	Prosulfuron	615		
H06_01_16	Rimsulfuron (aka renriduron)	63		
H06_01_17	Sulfosulfuron		M	
H06_01_18	Thifensulfuron-methyl	949		
H06_01_19	Triasulfuron		M	
H06_01_20	Tribenuron (aka metometuron)	1416		
H06_01_21	Triflusulfuron (formerly Triflusulfuron-methyl)	86		
H06_01_22	Tritosulfuron	2534		
H06_01_23	Orthosulfamuron		M	
H06_01_24	Ethametsulfuron-methyl		M	
H06_01_25	Halosulfuron - methyl		M	
H06_01_26	Trifloxysulfuron		M	
H06_02	Uracil herbicides	561		
H06_02_01	Lenacil	561		
H06_02_02	Terbacil		M	
H06_03	Urea herbicides	49612		
H06_03_01	Chlorotoluron	40287		
H06_03_02	Diuron		M	
H06_03_03	Fluometuron		M	
H06_03_04	Isoproturon		M	
H06_03_05	Linuron		M	
H06_03_06	Metobromuron	9325		

H06_99	Other herbicides based on derivatives of urea, of uracil or of sulfonylurea		M	
H06_99_99	Other herbicides based on derivatives of urea, of uracil or of sulfonylurea n.e.c.		M	
H99	Other herbicides	506228		
H99_01	Aryloxyphenoxy-propionic herbicides	5984		
H99_01_01	Clodinafop		M	
H99_01_02	Cyhalofop-butyl		M	
H99_01_03	Diclofop		M	
H99_01_04	Fenoxaprop-P	366		
H99_01_05	Fluazifop-P	4045		
H99_01_06	Haloxyfop-P (Haloxfop-R)		M	
H99_01_07	Propaquizafop	940		
H99_01_08	Quizalofop-P		M	
H99_01_09	Quizalofop-P-ethyl	472		
H99_01_10	Quizalofop-P-tefuryl	161		
H99_02	Benzofurane herbicides	9733		
H99_02_01	Ethofumesate	9733		
H99_03	Benzoic-acid herbicides	36699		
H99_03_01	Dicamba	36699		
H99_03_02	Pyrithiobac sodium		M	
H99_04	Bipyridylum herbicides		M	
H99_04_01	Diquat		M	
H99_05	Cyclohexanedione herbicides	3651		
H99_05_01	Clethodim	1166		
H99_05_02	Cycloxydim	2485		
H99_05_03	Profoxydim		M	
H99_05_04	Tepraloxym		M	
H99_05_05	Tralkoxydim		M	
H99_06	Diazine herbicides	2909		
H99_06_01	Pyridate	2909		
H99_07	Dicarboximide herbicides	1648		
H99_07_01	Cinidon ethyl		M	
H99_07_02	Flumioxazin	1648		
H99_08	Diphenyl ether herbicides	22768		

H99_08_01	Aclonifen	22742		
H99_08_02	Bifenox	26		
H99_08_03	Oxyfluorfen		M	
H99_09	Imidazolinone herbicides	1306		
H99_09_01	Imazamox	1306		
H99_10	Inorganic herbicides	41780		
H99_10_01	Iron sulphate	41780		
H99_11	Isoxazole herbicides	4671		
H99_11_01	Isoxaflutole	4671		
H99_11_02	Topramezone		M	
H99_13	Nitrile herbicides		M	
H99_13_01	Bromoxynil		M	
H99_13_02	Dichlobenil		M	
H99_13_03	Ioxynil		M	
H99_14	Organophosphorus herbicides	226444		
H99_14_01	Glufosinate		M	
H99_14_02	Glyphosate	226444		
H99_15	Phenylpyrazole herbicides	3337		
H99_15_01	Pinoxaden	2951		
H99_15_02	Pyraflufen-ethyl	386		
H99_16	Pyridazinone herbicides		M	
H99_16_01	Chloridazon (aka pyrazone)		M	
H99_16_02	Flurtamone		M	
H99_17	Pyridinecarboxamide herbicides	587		
H99_17_01	Picolinafen	587		
H99_18	Pyridinecarboxylic-acid herbicides	2497		
H99_18_01	Clopyralid	1880		
H99_18_02	Picloram	167		
H99_18_03	Halauxifen-methyl	375		
H99_18_04	Aminopyralid	75		
H99_18_05	Florpyrauxifen-benzyl		M	
H99_19	Pyridyloxyacetic-acid herbicides	6579		
H99_19_02	Fluroxypyr	6417		

H99_19_03	Triclopyr	162		
H99_20	Quinoline herbicides	3034		
H99_20_01	Quinmerac	3034		
H99_20_02	Quinclorac		M	
H99_21	Thiadiazine herbicides		M	
H99_21_01	Bentazone		M	
H99_22	Thiocarbamate herbicides	74327		
H99_22_01	Molinate		M	
H99_22_02	Prosulfocarb	74327		
H99_22_03	Tri-allate		M	
H99_23	Triazole herbicides		M	
H99_23_01	Amitrole (aminotriazole)		M	
H99_24	Triazolinone herbicides	749		
H99_24_01	Carfentrazone-ethyl	749		
H99_25	Triazolone herbicides	3005		
H99_25_01	Propoxycarbazone		M	
H99_25_02	Thiencarbazone-methyl	3005		
H99_26	Triketone herbicides	26905		
H99_26_01	Mesotrione	20675		
H99_26_02	Sulcotrione	0		
H99_26_03	Tembotrione	6230		
H99_99	Unclassified herbicides	27615		
H99_99_01	Acetic acid	0		
H99_99_02	Bispyribac		M	
H99_99_03	Clomazone	3347		
H99_99_04	Flurochloridone		M	
H99_99_05	Oxadiargyl		M	
H99_99_06	Oxadiazon		M	
H99_99_07	Pelargonic acid (CAS 112-05-0)	24268		
H99_99_08	Quinoclamine		M	
H99_99_99	Other unclassified herbicides, haulm destructors and moss killers n.e.c.		M	
PES_I	INSECTICIDES AND ACARICIDES	2291445		
I01	Insecticides based on pyrethroids	22304		

I01_01	Pyrethroid insecticides	22304		
I01_01_01	Acrinathrin		M	
I01_01_02	Alpha-Cypermethrin (aka alphamethrin)		M	
I01_01_03	Beta-cyfluthrin		M	
I01_01_04	Bifenthrin		M	
I01_01_05	Cyfluthrin		M	
I01_01_06	Cypermethrin	13012		
I01_01_07	Deltamethrin	588		
I01_01_08	Esfenvalerate	1876		
I01_01_09	Etofenprox	949		
I01_01_10	Gamma-cyhalothrin	51		
I01_01_11	Lambda-cyhalothrin	1836		
I01_01_12	Tau-fluvalinate	492		
I01_01_13	Tefluthrin	3500		
I01_01_14	Zeta-cypermethrin		M	
I01_01_15	Beta-cypermethrin		M	
I01_99	Other insecticides based on pyrethroids		M	
I01_99_99	Other insecticides based on pyrethroids n.e.c.		M	
I02	Insecticides based on chlorinated hydrocarbons	5		
I02_01	Anthranilic diamide insecticides	5		
I02_01_01	Cytraniliprole	5		
I02_99	Other insecticides based on chlorinated hydrocarbons		M	
I02_99_99	Other insecticides based on chlorinated hydrocarbons n.e.c.		M	
I03	Insecticides based on carbamates and oxime-carbamate	1980		
I03_01	Oxime-carbamate insecticides		M	
I03_01_01	Methomyl		M	
I03_01_02	Oxamyl		M	
I03_02	Carbamate insecticides	1980		
I03_02_01	Fenoxycarb		M	
I03_02_02	Formetanate		M	
I03_02_03	Methiocarb (aka mercaptodimethur)		M	
I03_02_04	Pirimicarb	1980		
I03_99	Other insecticides based on carbamate and oxime-carbamate		M	

I03_99_99	Other insecticides based on carbamate and oxime-carbamate n.e.c.		M	
I04	Insecticides based on organophosphates		M	
I04_01	Organophosphorus insecticides		M	
I04_01_01	Chlorpyrifos		M	
I04_01_02	Chlorpyrifos-methyl		M	
I04_01_03	Dimethoate		M	
I04_01_04	Ethoprophos		M	
I04_01_07	Malathion		M	
I04_01_08	Phosmet		M	
I04_01_09	Pirimiphos-methyl		M	
I04_01_10	Dichlorvos		M	
I04_99	Other insecticides based on organophosphates		M	
I04_99_99	Other insecticides based on organophosphates n.e.c.		M	
I05	Insecticides of microbiological or botanical origin	44515		
I05_01	Microbiological insecticides	44152		
I05_01_01	Adoxophyes orana GV strain BV-0001	0		
I05_01_03	Bacillus thuringiensis subsp. Israeliensis (serotype H-14) strain AM65-52	6690		
I05_01_04	Metarhizium brunneum strain Ma 43 (formerly Metarhizium anisopliae var anisopliae)	1080		
I05_01_05	Paecilomyces fumosoroseus strain FE 9901	0		
I05_01_08	Bacillus thuringiensis subsp. Aizawai strains ABTS-1857, GC-91	17364		
I05_01_081	<i>Bacillus thuringiensis subsp. Aizawai strain ABTS-1857</i>			
I05_01_082	<i>Bacillus thuringiensis subsp. Aizawai strain GC-91</i>			
I05_01_09	Bacillus thuringiensis subsp. Kurstaki strains ABTS-351, PB 54, SA 11, SA 12 and EG2348	5669		
I05_01_091	<i>Bacillus thuringiensis subsp. Kurstaki strain ABTS-351</i>			
I05_01_092	<i>Bacillus thuringiensis subsp. Kurstaki strain PB 54</i>			
I05_01_093	<i>Bacillus thuringiensis subsp. Kurstaki strain SA 11</i>			
I05_01_094	<i>Bacillus thuringiensis subsp. Kurstaki strain SA 12</i>			
I05_01_095	<i>Bacillus thuringiensis subsp. Kurstaki strain EG2348</i>			
I05_01_10	Bacillus thuringiensis subsp. Tenebrionis strain NB 176 (TM 14 1)		M	
I05_01_11	Beauveria bassiana strains ATCC 74040 and GHA	157		
I05_01_111	<i>Beauveria bassiana strain ATCC 74040</i>			
I05_01_112	<i>Beauveria bassiana strain GHA</i>			
I05_01_12	Cydia pomonella granulovirus (CPGV)	3673		

I05_01_13	Helicoverpa armigera nucleopolyhedrovirus (HEARNPV)	0		
I05_01_14	Akanthomyces muscarius Ve6 (formerly Lecanicillium muscarium strain Ve6)		M	
I05_01_15	Spodoptera littoralis nucleopolyhedrovirus (SpliNPV)		M	
I05_01_16	Beauveria bassiana strain 147		M	
I05_01_17	Beauveria bassiana strain NPP111B005		M	
I05_01_18	Isaria fumosorosea Apopka strain 97 (formerly Paecilomyces fumosoroseus)		M	
I05_01_19	Spodoptera exigua nuclear polyhedrosis virus		M	
I05_01_20	Beauveria bassiana IMI389521		M	
I05_01_21	Beauveria bassiana PPRI 5339		M	
I05_01_22	Baculovirus GV		M	
I05_01_23	Beauveria bassiana strain BB1		M	
I05_01_24	Beauveria brongniartii	9519		
I05_01_25	Phthorimaea operculella granulovirus (PHOPGV)		M	
I05_01_26	Spodoptera exigua multicapsid nucleopolyhedrovirus (SeMNPV), isolate BV-0004		M	
I05_01_27	Beauveria bassiana 203		M	
I05_01_28	Metarhizium brunneum strain CB15-III		M	
I05_02	Botanical insecticides	363		
I05_02_01	Orange oil	51		
I05_02_02	Tagetes oil	0		
I05_02_03	Azadirachtin (Margosa extract)	206		
I05_02_04	Pyrethrins	106		
I05_99	Other insecticides of microbiological or botanical origin		M	
I05_99_99	Other insecticides of microbiological or botanical origin n.e.c.		M	
I06	Acaricides	229		
I06_01	Pyrazole acaricides	82		
I06_01_01	Fenpyroximate	82		
I06_02	Tetrazine acaricides		M	
I06_02_01	Clofentezine		M	
I06_02_02	Flufenzin (ISO: diflovidazin)		M	
I06_99	Other acaricides	147		
I06_99_01	Acequinocyl	147		
I06_99_02	Cyflumetofen		M	
I06_99_99	Other acaricides n.e.c.		M	

I99	Other insecticides	2222412		
I99_01	Insecticides produced by fermentation	827		
I99_01_01	Abamectin (aka avermectin)	11		
I99_01_02	Milbemectin	2		
I99_01_03	Spinosad	795		
I99_01_04	Emamectin	19		
I99_01_05	Spinetoram		M	
I99_03	Benzoylurea insecticides		M	
I99_03_01	Diflubenzuron		M	
I99_03_02	Flufenoxuron		M	
I99_03_03	Lufenuron		M	
I99_03_04	Novaluron		M	
I99_03_05	Teflubenzuron		M	
I99_03_06	Triflumuron		M	
I99_04	Carbazate insecticides	0		
I99_04_01	Bifenazate	0		
I99_05	Diazyldiazine insecticides	265		
I99_05_01	Methoxyfenozide		M	
I99_05_02	Tebufenozide	265		
I99_05_03	Chromafenozide		M	
I99_06	Insect growth regulators	105		
I99_06_01	Cyromazine		M	
I99_06_02	Buprofezin	0		
I99_06_03	Hexythiazox	105		
I99_08	Nitroguanidine insecticides		M	
I99_08_01	Clothianidin		M	
I99_08_02	Thiamethoxam		M	
I99_09	Organotin insecticides		M	
I99_09_01	Fenbutatin oxide		M	
I99_10	Oxadiazine insecticides		M	
I99_10_01	Indoxacarb		M	
I99_11	Phenyl-ether insecticides	46		
I99_11_01	Pyriproxyfen	46		

199_12	Pyrazole (phenyl-) insecticides	417		
199_12_02	Fipronil		M	
199_12_03	Tebufenpyrad		M	
199_12_04	Chlorantraniliprole	417		
199_13	Pyridine insecticides	874		
199_13_01	Pymetrozine		M	
199_13_02	Flonicamid (IKI-220)	867		
199_13_03	Sulfoxaflor	7		
199_14	Pyridylmethylamine insecticides	2570		
199_14_01	Acetamiprid	2155		
199_14_02	Imidacloprid		M	
199_14_03	Thiacloprid		M	
199_14_04	Flupyradifurone	415		
199_15	Sulfite ester insecticides		M	
199_15_01	Propargite		M	
199_17	Tetronic acid insecticides		M	
199_17_01	Spirodiclofen		M	
199_17_02	Spiromesifen		M	
199_18	Insect attractants straight chain lepidopteran pheromones (sclps)	1907		
199_18_01	(E,E)-8,10-Dodecadien-1-ol (SCLP Alcohols)	485		
199_18_02	(Z)-9-Dodecen-1-yl acetate (SCLP Acetates)	378		
199_18_03	(Z)-8-Dodecen-1-yl acetate (SCLP Acetates)	52		
199_18_04	(E,Z)-2,13-Octadecadien-1-yl acetate (SCLP Acetates)	1		
199_18_05	(E,E)-7,9-Dodecadien-1-yl acetate (SCLP Acetates)		M	
199_18_06	(E,Z)-7,9-Dodecadien-1-yl acetate (SCLP Acetates)	806		
199_18_07	(Z,E)-7,11-Hexadecadien-1-yl acetate (SCLP Acetates)		M	
199_18_08	(Z,Z)-7,11-Hexadecadien-1-yl acetate (SCLP Acetates)		M	
199_18_09	(Z,E)-9,12-Tetradecadien-1-yl acetate (SCLP - Acetates)		M	
199_18_10	(E)-11-Tetradecen-1-yl acetate (SCLP Acetates)		M	
199_18_11	(E)-5-Decen-1-ol (SCLP Alcohols)		M	
199_18_12	(E)-5-Decen-1-yl acetate (SCLP Acetates)		M	
199_18_13	(E)-8-Dodecen-1-yl acetate (SCLP Acetates)	3		
199_18_14	(E,Z)-8-Dodecen-1-yl acetate		M	

199_18_15	(Z)-11-Hexadecen-1-ol (SCLP Alcohols)		M	
199_18_16	(Z)-11-Hexadecen-1-yl acetate (SCLP Acetates)		M	
199_18_17	(Z)-11-Hexadecenal (SCLP Aldehydes)		M	
199_18_18	(Z)-11-Tetradecen-1-yl acetate (SCLP Acetates)	89		
199_18_19	(Z)-13-Octadecenal (SCLP Aldehydes)		M	
199_18_20	(Z)-7-Tetradecenal (SCLP Aldehydes)		M	
199_18_21	(Z)-8-Dodecen-1-ol (SCLP Alcohols)	0		
199_18_22	(Z)-9-Hexadecenal (SCLP Aldehydes)		M	
199_18_23	(Z)-9-Tetradecen-1-yl acetate (SCLP Acetates)	13		
199_18_24	Dodecyl acetate (SCLP Acetates)		M	
199_18_25	Tetradecan-1-ol (SCLP Alcohols)	14		
199_18_26	Dodecan-1-ol (SCLP Alcohols)	57		
199_18_27	(E,Z)-9-Dodecen-1-yl acetate		M	
199_18_28	(E,Z,Z)-3,8,11-Tetradecatrien-1-yl acetate (SCLP Acetates)	8		
199_18_29	(E,Z)-3,8-Tetradecadien-1-yl acetate (SCLP Acetates)	1		
199_18_30	n-Tetradecylacetate (SCLP Acetates)		M	
199_18_31	(Z,E)-9,11-tetradecadien-1-yl-acetate (SCLP Acetates)		M	
199_18_32	(E,Z)-3,13-Octadecadien-1-yl acetate (SCLP Acetates)	0		
199_18_33	(Z,Z)-3,13-Octadecadien-1-yl acetate (SCLP Acetates)		M	
199_18_34	N-hexadecan-1-yl acetate		M	
199_18_35	(Z)-8-Tetradecen-1-ol (SCLP Alcohols)		M	
199_18_36	(Z)-8-Tetradecen-1-yl acetate (SCLP Acetates)		M	
199_18_37	(E,E)-8,10-Dodecadien-1-yl acetate (SCLP Acetates)		M	
199_18_38	(Z)-7-dodecen-1-yl acetate (SCLP Acetates)		M	
199_18_39	(Z)-9-Tetradecen-1-ol (SCLP Alcohols)		M	
199_18_40	Hexadecyl acetate (SCLP Acetates)		M	
199_19	Other insect attractants		M	
199_19_01	Ammonium acetate		M	
199_19_02	Putrescine (1,4-diaminobutane)		M	
199_19_03	Trimethylamine hydrochloride		M	
199_19_04	(Z)-13-Hexadecen-11-yn-1-yl acetate		M	
199_19_05	(Z,Z,Z,Z)-7,13,16,19-Docosatetraen-1-yl isobutyrate		M	
199_19_06	Rescalure		M	

199_19_07	Hydrolysed proteins		M	
199_19_08	Lavandulyl senecioate		M	
199_19_09	(Z)-3-methyl-6-isopropenyl-9-decen-1-yl acetate		M	
199_19_10	2,6,6-trimethylbicyclo[3.1.1]hept-2-ene (alpha-pinen)		M	
199_19_11	2-ethyl-1,6-dioxaspiro (4,4) nonan (chalcogran)		M	
199_19_12	2-methyl-3-buten-2-ol		M	
199_19_13	2-methyl-6-methylene-2,7-octadien-4-ol (ipsdienol)		M	
199_19_14	4,6,6-trimethyl-bicyclo[3.1.1]hept-3-en-ol,((s)-cis-verbenol)		M	
199_19_15	8-methyl-2-decanol propionate		M	
199_99	Unclassified insecticides-acaricides	2215401		
199_99_03	Etoxazole		M	
199_99_04	Fatty acids C7-C18 and C18 unsaturated potassium salts (CAS 67701-09-1) (Capric acid (C	3744		
199_99_05	Fatty acids C8-C10 methyl esters (CAS 85566-26-3) (Methyl octanoate (CAS 111-11-5); Methyl decanoate (CAS 110-		M	
199_99_06	Fenazaquin		M	
199_99_07	Kieselgur (diatomaceous earth)	4745		
199_99_08	Lauric acid (CAS 143-07-7)		M	
199_99_09	Metaflumizone	805		
199_99_10	Methyl decanoate (CAS 110-42-9)		M	
199_99_11	Methyl octanoate (CAS 111-11-5)		M	
199_99_12	Oleic acid (CAS 112-80-1)		M	
199_99_13	Paraffin oil/(CAS 64742-46-7)		M	
199_99_14	Paraffin oil/(CAS 72623-86-0)		M	
199_99_15	Paraffin oil/(CAS 8042-47-5)	63075		
199_99_16	Paraffin oil/(CAS 97862-82-3)		M	
199_99_17	Phosphane		M	
199_99_18	Pyridaben		M	
199_99_19	Pyridalyl		M	
199_99_20	Spirotetramat	609		
199_99_21	Sulfuryl fluoride	1160		
199_99_27	Aluminium phosphide	14392		
199_99_28	Magnesium phosphide	1595		
199_99_29	Carbon dioxide (active substance)	2124968		
199_99_30	Maltodextrin	308		

I99_99_31	Terpenoid blend QRD-460		M	
I99_99_32	Flubendiamide		M	
I99_99_33	Ethandinitril		M	
I99_99_99	Other insecticides-acaricides n.e.c.		M	
PES_M	MOLLUSCICIDES	7586		
M01	Molluscicides	7586		
M01_01	Molluscicides	7586		
M01_01_01	Ferric phosphate	4367		
M01_01_03	Metaldehyde	3219		
M01_01_04	Ferric pyrophosphate		M	
M01_01_99	Other molluscicides n.e.c.		M	
PES_PGR	PLANT GROWTH REGULATORS	53624		
PGR01	Physiological plant growth regulators	53624		
PGR01_01	Physiological plant growth regulators	50524		
PGR01_01_01	1-methylcyclopropene	0		
PGR01_01_02	Chlormequat	20012		
PGR01_01_03	Cyclanilide		M	
PGR01_01_04	Daminozide	42		
PGR01_01_05	Ethephon	6026		
PGR01_01_06	Ethoxyquin		M	
PGR01_01_07	Ethylene	0		
PGR01_01_08	Forchlorfenuron		M	
PGR01_01_09	Gibberellic acid	57		
PGR01_01_10	Gibberellins	8		
PGR01_01_11	Imazaquin		M	
PGR01_01_12	Maleic hydrazide	14742		
PGR01_01_13	Mepiquat	719		
PGR01_01_14	Paclobutrazol	308		
PGR01_01_15	Prohexadione	1429		
PGR01_01_16	Sodium 5-nitroguaiacolate		M	
PGR01_01_17	Sodium O-nitrophenolate		M	
PGR01_01_18	Sodium P-nitrophenolate		M	
PGR01_01_19	Trinexapac (aka cimetacarb)	7181		

PGR01_01_20	Diphenylamine		M	
PGR01_01_21	Flurprimidol		M	
PGR01_01_22	Flumetralin		M	
PGR01_01_23	Thidiazuron		M	
PGR01_99	Other physiological plant growth regulators	3100		
PGR01_99_01	1-naphthylacetic acid (1-NAA)	19		
PGR01_99_02	1-decanol		M	
PGR01_99_03	1-naphthylacetamide (1-NAD)	99		
PGR01_99_04	2-naphthoxyacetic acid (2-NOA)		M	
PGR01_99_05	6-benzyladenine	83		
PGR01_99_06	Cyanamide (H & Ca cyanamide)		M	
PGR01_99_07	Indolylbutyric acid	0		
PGR01_99_08	Sintofen (aka cintofen)		M	
PGR01_99_09	1,4-dimethylnaphthalene	2862		
PGR01_99_10	Sodium silver thiosulfate		M	
PGR01_99_11	S-abscisic acid	37		
PGR01_99_12	24-Epibrassinolide		M	
PGR01_99_99	Other physiological plant growth regulators n.e.c.		M	
PGR02	Anti-sprouting products		M	
PGR02_02	Anti-sprouting products		M	
PGR02_02_01	Carvone		M	
PGR02_99	Other anti-sprouting products		M	
PGR02_99_99	Other anti-sprouting products n.e.c.		M	
PGR03	Other plant growth regulators		M	
PGR03_99	Other plant growth regulators		M	
PGR03_99_01	Sea-algae extract (formerly sea-algae extract and seaweeds)		M	
PGR03_99_99	Other plant growth regulators n.e.c.		M	
PES_ZR	OTHER PLANT PROTECTION PRODUCTS	61223		
ZR02	Vegetal oils	19069		
ZR02_01	Vegetal oils	19069		
ZR02_01_01	Plant oils / Citronella oil		M	
ZR02_01_02	Plant oils / Clove oil		M	
ZR02_01_03	Plant oils / Rape seed oil	17456		

ZR02_01_04	Plant oils / Spear mint oil	1613		
ZR02_01_99	Other vegetal oils n.e.c.		M	
ZR03	Soil sterilants (incl. nematicides)	820		
ZR03_01	Methyl bromide		M	
ZR03_01_01	Methyl bromide		M	
ZR03_02	Biological nematicides		M	
ZR03_02_01	Purpureocillium lilacinum strain 251 (former Paecilomyces lilacinus strain 251)		M	
ZR03_02_02	Bacillus firmus I-1582		M	
ZR03_02_03	Pasteuria nishizawae PN1		M	
ZR03_02_04	Purpureocillium lilacinum PL 11		M	
ZR03_02_99	Other biological nematicides n.e.c.		M	
ZR03_03	Organophosphorous nematicides		M	
ZR03_03_01	Fenamiphos (aka phenamiphos)		M	
ZR03_03_02	Fosthiazate		M	
ZR03_03_99	Other organophosphorous nematicides n.e.c.		M	
ZR03_99	Other soil sterilants	820		
ZR03_99_01	1,3-dichloropropene		M	
ZR03_99_02	Chloropicrin		M	
ZR03_99_03	Dazomet	820		
ZR03_99_04	Metam (incl. -potassium and -sodium)		M	
ZR03_99_99	Other soil sterilants n.e.c.		M	
ZR04	Rodenticides	547		
ZR04_01	Rodenticides	547		
ZR04_01_01	Calcium phosphide		M	
ZR04_01_02	Difenacoum		M	
ZR04_01_03	Warfarin (aka coumaphene)		M	
ZR04_01_04	Zinc phosphide	547		
ZR04_01_05	Bromadiolone		M	
ZR04_01_06	Chlorophacinone		M	
ZR04_01_99	Other rodenticides n.e.c.		M	
ZR99	All other plant protection products	40787		
ZR99_01	Disinfectants		M	
ZR99_01_99	Other disinfectants n.e.c.		M	

ZR99_02	Repellents	40610		
ZR99_02_01	Aluminium ammonium sulphate		M	
ZR99_02_02	Aluminium silicate (aka kaolin)	0		
ZR99_02_03	Blood meal	38		
ZR99_02_04	Calcium carbide		M	
ZR99_02_05	Calcium carbonate		M	
ZR99_02_06	Denathonium benzoate		M	
ZR99_02_07	Limestone		M	
ZR99_02_08	Methyl nonyl ketone		M	
ZR99_02_09	Quartz sand	29714		
ZR99_02_10	Repellents by smell of animal or plant origin/ tall oil crude		M	
ZR99_02_11	Repellents by smell of animal or plant origin/ tall oil pitch		M	
ZR99_02_12	Sodium aluminium silicate		M	
ZR99_02_13	Fat distillation residues		M	
ZR99_02_14	Repellents by smell of animal or plant origin/ fish oil	0		
ZR99_02_15	Repellents by smell of animal or plant origin/ sheep fat	10858		
ZR99_02_16	Garlic extract		M	
ZR99_02_17	Pepper dust extraction residue (PDER)		M	
ZR99_02_99	Other repellents n.e.c.		M	
ZR99_99	Other plant protection products	177		
ZR99_99_07	Capric acid (CAS 334-48-5)		M	
ZR99_99_08	Caprylic acid (CAS 124-07-2)	172		
ZR99_99_12	Heptamaloxyloglucan		M	
ZR99_99_24	Zucchini yellow mosaic virus - weak strain		M	
ZR99_99_34	Pepino mosaic virus strain CH2 isolate 1906		M	
ZR99_99_35	Mild Pepino Mosaic Virus isolate VC 1		M	
ZR99_99_36	Mild Pepino Mosaic Virus isolate VX 1		M	
ZR99_99_37	Pepino mosaic virus (PEPMV) European (EU) strain, mild isolate ABP1 (PEPMVO)		M	
ZR99_99_38	Pepino mosaic virus (PEPMV) Chilean (CH2) strain, mild isolate ABP2 (PEPMVO)		M	
ZR99_99_39	Natural seed extract of camellia sp.		M	
ZR99_99_40	Quassia	5		
ZR99_99_99	Other plant protection products n.e.c.		M	

Status flags

B	Time series break
D	Definition differs
E	Estimated value
M	Missing value; data cannot exist
P	Provisional value
U	Low reliability
BD	Time series break, definition differs
BE	Time series break, estimated value
BP	Time series break, provisional value
BU	Time series break, low reliability
DE	Definition differs, estimated value
DP	Definition differs, provisional value
DU	Definition differs, low reliability
EP	Estimated value, provisional value
PU	Provisional value, low reliability