

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

AT	 Manda- tory	 Opti- onal	 Flag
2021			

		QTY_PEST_SALES		
		Quantity of active substance placed on the market		
PPM_TOT	PESTICIDES PLACED ON THE MARKET, TOTAL	5862070		
PPM_PU	Pesticides placed on the market for professional users			
PPM_AGR	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	2020821		
F01	Inorganic fungicides	1293160		
F01_01	Copper compounds	198019		
F01_01_01	Bordeaux mixture		M	
F01_01_02	Copper hydroxide	65134		
F01_01_03	Copper (i) oxide		M	
F01_01_04	Copper oxychloride	128375		
F01_01_05	Tribasic copper sulphate	4510		
F01_01_06	Other copper salts n.e.c.		M	
F01_02	Inorganic sulphur	723090		
F01_02_01	Sulphur	723090		
F01_99	Other inorganic fungicides	372051		
F01_99_01	Lime sulphur (calcium polysulphid)	50627		
F01_99_02	Potassium iodide		M	
F01_99_03	Potassium phosphonates (formerly potassium phosphite)	55562		
F01_99_04	Potassium thiocyanate		M	
F01_99_06	Disodium phosphonate	7062		
F01_99_07	Potassium hydrogen carbonate	258800		
F01_99_08	Sodium hydrogen carbonate	0		

F01_99_99	Other inorganic fungicides n.e.c.		M	
F02	Fungicides based on carbamates and dithiocarbamates	214214		
F02_01	Carbanilate fungicides		M	
F02_01_01	Diethofencarb		M	
F02_02	Carbamate fungicides	19777		
F02_02_01	Benthiavalicarb	688		
F02_02_02	Iprovalicarb	3262		
F02_02_03	Propamocarb	15827		
F02_03	Dithiocarbamate fungicides	194437		
F02_03_01	Mancozeb	120278		
F02_03_02	Maneb		M	
F02_03_03	Metiram	33518		
F02_03_04	Propineb		M	
F02_03_05	Thiram		M	
F02_03_06	Ziram	40641		
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	60		
F03_01	Benzimidazole fungicides	60		
F03_01_01	Carbendazim		M	
F03_01_02	Fuberidazole		M	
F03_01_03	Thiabendazole	60		
F03_01_04	Thiophanate-methyl	0		
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	110421		
F04_01	Conazole fungicides	102516		
F04_01_01	Bitertanol		M	
F04_01_02	Bromuconazole	0		
F04_01_03	Cyproconazole	1260		
F04_01_04	Difenoconazole	20239		
F04_01_05	Epoxiconazole		M	
F04_01_06	Etridiazole		M	

F04_01_07	Fenbuconazole		M	
F04_01_08	Fluquinconazole	0		
F04_01_09	Flusilazole		M	
F04_01_10	Flutriafol		M	
F04_01_11	Imazalil (enilconazole)	0		
F04_01_12	Ipconazole	49		
F04_01_13	Metconazole	2031		
F04_01_14	Myclobutanil	139		
F04_01_15	Penconazole	769		
F04_01_16	Propiconazole		M	
F04_01_17	Prothioconazole	23560		
F04_01_18	Tebuconazole	48071		
F04_01_19	Tetraconazole	4053		
F04_01_20	Triadimenol		M	
F04_01_21	Triflumizole		M	
F04_01_22	Triticonazole	334		
F04_01_23	Mefentrifluconazole	2011		
F04_02	Imidazole fungicides	2084		
F04_02_01	Cyazofamid	2084		
F04_02_02	Fenamidone		M	
F04_02_03	Triazoxide		M	
F04_99	Other fungicides based on imidazoles and triazoles	5821		
F04_99_01	Ametoctradin	5821		
F04_99_02	Amisulbrom	0		
F04_99_03	Tricyclazole		M	
F04_99_99	Other fungicides based on imidazoles and triazoles n.e.c.		M	
F05	Fungicides based on morpholines	8701		
F05_01	Morpholine fungicides	8701		
F05_01_01	Dimethomorph	8701		
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	16187		
F06_01	Microbiological fungicides	16175		
F06_01_01	Ampelomyces quisqualis strain AQ10		M	
F06_01_02	Aureobasidium pullulans (strains DSM 14940-1)	196		
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 (former subtilis qst 713) strain AQ 713	4672		
F06_01_04	Coniothyrium minitans strain CON/M/91-08	656		
F06_01_05	Clonostachys rosea (former gliocladium catenulatum) strain J1446	3281		
F06_01_08	Pseudomonas chlororaphis strain MA342	3390		
F06_01_09	Pseudozyma flocculosa		M	
F06_01_11	Trichoderma harzianum rifai (T-22) (item 908)		M	
F06_01_111	<i>Trichoderma harzianum strain T-22</i>		M	
F06_01_112	<i>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 strain M1	0		
F06_01_17	Streptomyces (formerly streptomyces griseoviridis) strain K61		M	
F06_01_18	Trichoderma aspellerum (ICC012) (T25) (TV1) (formerly t. Harzianum)		M	
F06_01_181	<i>Trichoderma asperellum (formerly t. Harzianum) strain ICC012</i>		M	
F06_01_182	<i>Trichoderma asperellum (formerly t. Viride) strain T25</i>		M	
F06_01_183	<i>Trichoderma asperellum (formerly t. Viride) strain TV1</i>		M	
F06_01_19	Trichoderma asperellum (strain T34)	3910		
F06_01_20	Trichoderma atroviride (IMI 206040) (T 11) (formerly trichoderma harzianum)		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 (IMI 206039)		M	

F06_01_24	Verticillium albo-atrum (formerly verticillium dahliae) strain WCS850		M	
F06_01_25	Bacillus amyloliquefaciens strain MBI 600	0		
F06_01_26	Bacillus amyloliquefaciens strain FZB24	0		
F06_01_27	Saccharomyces cerevisiae strain LAS02		M	
F06_01_28	Trichoderma atroviride strain SC1	0		
F06_01_29	Bacillus amyloliquefaciens subsp. Plantarum strain D747	70		
F06_01_30	Bacillus pumilus qst strain 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		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 sacchalinensis extract		M	
F06_99	Other fungicides of microbiological or botanical origin	12		
F06_99_01	Cerevisane	12		
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	378078		

F99_01	Aliphatic nitrogen fungicides	9540		
F99_01_01	Cymoxanil	7212		
F99_01_02	Dodine	2328		
F99_01_03	Guazatine		M	
F99_02	Amide fungicides	23479		
F99_02_01	Cyflufenamid	446		
F99_02_02	Fluopicolide	2166		
F99_02_03	Prochloraz	2985		
F99_02_04	Silthiofam		M	
F99_02_05	Zoxamide	3963		
F99_02_06	Mandipropamid	6853		
F99_02_07	Penthiopyrad	0		
F99_02_08	Benzovindiflupyr	2542		
F99_02_09	Isofetamid		M	
F99_02_10	Mandestrobin	0		
F99_02_11	Fluopyram	4524		
F99_03	Anilide fungicides	24884		
F99_03_01	Benalaxyl	0		
F99_03_02	Boscalid	7364		
F99_03_03	Carboxin		M	
F99_03_04	Fenhexamid	1684		
F99_03_05	Flutolanil	364		
F99_03_06	Metalaxyl-m	1980		
F99_03_07	Metalaxyl	564		
F99_03_08	Benalaxyl-m	729		
F99_03_09	Bixafen	4678		
F99_03_12	Isopyrazam	151		
F99_03_13	Fluxapyroxad	6734		
F99_03_14	Penflufen	94		
F99_03_15	Sedaxane	542		
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	13835		
F99_07_01	Fluazinam	13835		
F99_08	Dinitrophenol fungicides	5745		
F99_08_01	Dinocap		M	
F99_08_02	Meptyldinocap	5745		
F99_09	Organophosphorus fungicides	13476		
F99_09_01	Fosetyl	13476		
F99_09_02	Tolclofos-methyl		M	
F99_10	Oxazole fungicides	2079		
F99_10_01	Famoxadone	1458		
F99_10_02	Hymexazol	0		
F99_10_03	Oxathiapiprolin	621		
F99_11	Phenylpyrrole fungicides	5683		
F99_11_01	Fludioxonil	5683		
F99_12	Phthalimide fungicides	167918		
F99_12_01	Captan	36386		
F99_12_02	Folpet	131532		
F99_13	Pyrimidine fungicides	9971		
F99_13_01	Bupirimate	61		
F99_13_02	Cyprodinil	7195		
F99_13_03	Mepanipyrim	0		
F99_13_04	Pyrimethanil	2715		
F99_14	Quinoline fungicides	23		
F99_14_01	8-hydroxyquinoline	23		
F99_14_02	Quinoxifen		M	
F99_15	Quinone fungicides	39379		
F99_15_01	Dithianon	39379		
F99_16	Strobilurine fungicides	20430		
F99_16_01	Azoxystrobin	12252		
F99_16_02	Dimoxystrobin	181		

F99_16_03	Fluoxastrobin	1158		
F99_16_04	Kresoxim-methyl	899		
F99_16_05	Picoxystrobin		M	
F99_16_06	Pyraclostrobin	1331		
F99_16_07	Trifloxystrobin	4609		
F99_16_08	Fenpicoxamid (formerly lyserphenvalpyr)	0		
F99_17	Urea fungicides	0		
F99_17_01	Pencycuron	0		
F99_17_02	Urea		M	
F99_99	Unclassified fungicides	41636		
F99_99_01	2-phenylphenol (including salts such as sodium salt)		M	
F99_99_02	Acibenzolar-s-methyl		M	
F99_99_04	L-ascorbic acid		M	
F99_99_05	Benzoic acid	1255		
F99_99_06	Fenpropidin	5695		
F99_99_08	Metrafenone	4221		
F99_99_09	Pyriofenone	1654		
F99_99_10	Spiroxamine	27569		
F99_99_11	Didecyldimethylammonium chloride		M	
F99_99_12	Proquinazid	820		
F99_99_13	Valifenalate (formerly valiphenal)	0		
F99_99_14	Dimethyl disulphide		M	
F99_99_15	COS-OGA	0		
F99_99_16	Flutianil		M	
F99_99_17	Fenpyrazamine	422		
F99_99_99	Other fungicides and bactericides, not classified n.e.c.		M	
PES_H	HERBICIDES, HAULM DESTRUCTORS AND MOSS KILLERS	1154449		
H01	Herbicides based on phenoxy-phytohormones	91694		
H01_01	Phenoxy herbicides	91694		
H01_01_01	2,4-D	8063		
H01_01_02	2,4-DB		M	
H01_01_03	Dichlorprop-p	6360		
H01_01_04	MCPA	66581		

H01_01_05	MCPB	2192		
H01_01_06	Mecoprop		M	
H01_01_07	Mecoprop-P	8498		
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	171345		
H02_02	Triazine herbicides	91950		
H02_02_01	Terbuthylazine	91950		
H02_02_02	Hexazinone		M	
H02_03	Triazinone herbicides	79395		
H02_03_01	Metamitron	65151		
H02_03_02	Metribuzin	14244		
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	246921		
H03_01	Amide herbicides	66067		
H03_01_01	Beflubutamid		M	
H03_01_02	Dimethenamid-p	51821		
H03_01_03	Isoxaben	2849		
H03_01_04	Napropamide	3163		
H03_01_05	Penoxsulam	152		
H03_01_06	Pethoxamid	5555		
H03_01_07	Propyzamide	1750		
H03_01_08	Pyroxsulam	777		
H03_02	Anilide herbicides	60686		
H03_02_01	Diflufenican	5903		
H03_02_02	Florasulam	678		
H03_02_03	Flufenacet	40504		
H03_02_04	Metazachlor	13601		
H03_02_05	Metosulam		M	
H03_02_06	Propanil		M	
H03_03	Chloroacetanilide herbicides	120168		
H03_03_01	Acetochlor		M	

H03_03_02	Dimethachlor	2332		
H03_03_03	Propisochlor		M	
H03_03_04	S-metolachlor	117836		
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	20236		
H04_01	Bis-carbamate herbicides	20236		
H04_01_01	Chlorpropham		M	
H04_01_02	Desmedipham		M	
H04_01_03	Phenmedipham	20236		
H04_02	Carbamate herbicides	0		
H04_02_01	Asulam		M	
H04_02_02	Carbetamide	0		
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	56561		
H05_01	Dinitroaniline herbicides	56561		
H05_01_01	Benfluralin		M	
H05_01_02	Pendimethalin	56561		
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	57015		
H06_01	Sulfonyleurea herbicides	15308		
H06_01_01	Amidosulfuron	800		
H06_01_02	Azimsulfuron		M	
H06_01_03	Bensulfuron-methyl	0		
H06_01_04	Chlorsulfuron		M	
H06_01_05	Ethoxysulfuron		M	
H06_01_06	Flazasulfuron	246		
H06_01_07	Flupyrsulfuron-methyl		M	
H06_01_08	Foramsulfuron	1854		

H06_01_09	Imazosulfuron		M	
H06_01_10	Iodosulfuron (iodosulfuron-methyl-sodium)	705		
H06_01_11	Mesosulfuron (mesosulfuron-methyl)	186		
H06_01_12	Metsulfuron-methyl	148		
H06_01_13	Nicosulfuron	5630		
H06_01_14	Oxasulfuron		M	
H06_01_15	Prosulfuron	56		
H06_01_16	Rimsulfuron	112		
H06_01_17	Sulfosulfuron		M	
H06_01_18	Thifensulfuron-methyl	1264		
H06_01_19	Triasulfuron		M	
H06_01_20	Tribenuron (parent)	1180		
H06_01_21	Triflusulfuron	279		
H06_01_22	Tritosulfuron	2848		
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	2128		
H06_02_01	Lenacil	2128		
H06_02_02	Terbacil		M	
H06_03	Urea herbicides	39579		
H06_03_01	Chlorotoluron	32249		
H06_03_02	Diuron		M	
H06_03_03	Fluometuron		M	
H06_03_04	Isoproturon		M	
H06_03_05	Linuron		M	
H06_03_06	Metobromuron	7330		
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	510677		
H99_01	Aryloxyphenoxy-propionic herbicides	5974		
H99_01_01	Clodinafop		M	

H99_01_02	Cyhalofop-butyl		M	
H99_01_03	Diclofop (diclofop-methyl)		M	
H99_01_04	Fenoxaprop-P	338		
H99_01_05	Fluazifop-P	4239		
H99_01_06	Haloxypop-P (haloxypop-P methyl ester)	347		
H99_01_07	Propaquizafop	302		
H99_01_08	Quizalofop-P		M	
H99_01_09	Quizalofop-P-ethyl	549		
H99_01_10	Quizalofop-P-tefuryl	199		
H99_02	Benzofurane herbicides	18483		
H99_02_01	Ethofumesate	18483		
H99_03	Benzoic-acid herbicides	35455		
H99_03_01	Dicamba	35455		
H99_03_02	Pyrithiobac sodium		M	
H99_04	Bipyridylum herbicides	5588		
H99_04_01	Diquat	5588		
H99_05	Cyclohexanedione herbicides	3344		
H99_05_01	Clethodim	1489		
H99_05_02	Cycloxydim	1855		
H99_05_03	Profoxydim		M	
H99_05_04	Tepraloxym		M	
H99_05_05	Tralkoxydim		M	
H99_06	Diazine herbicides	1068		
H99_06_01	Pyridate	1068		
H99_07	Dicarboximide herbicides	234		
H99_07_01	Cinidon-ethyl		M	
H99_07_02	Flumioxazin	234		
H99_08	Diphenyl ether herbicides	23151		
H99_08_01	Aclonifen	23151		
H99_08_02	Bifenox	0		
H99_08_03	Oxyfluorfen		M	
H99_09	Imidazolinone herbicides	1320		
H99_09_01	Imazamox	1320		

H99_10	Inorganic herbicides	66987		
H99_10_01	Iron sulphate	66987		
H99_11	Isoxazole herbicides	3023		
H99_11_01	Isoxaflutole	3023		
H99_11_02	Topramezone		M	
H99_13	Nitrile herbicides	476		
H99_13_01	Bromoxynil	476		
H99_13_02	Dichlobenil		M	
H99_13_03	Ioxynil		M	
H99_14	Organophosphorus herbicides	231730		
H99_14_01	Glufosinate-ammonium		M	
H99_14_02	Glyphosate	231730		
H99_15	Phenylpyrazole herbicides	2661		
H99_15_01	Pinoxaden	2393		
H99_15_02	Pyraflufen-ethyl	268		
H99_16	Pyridazinone herbicides		M	
H99_16_01	Chloridazon		M	
H99_16_02	Flurtamone		M	
H99_17	Pyridinecarboxamide herbicides	0		
H99_17_01	Picolinafen	0		
H99_18	Pyridinecarboxylic-acid herbicides	2961		
H99_18_01	Clopyralid	2565		
H99_18_02	Picloram	148		
H99_18_03	Halauxifen-methyl	156		
H99_18_04	Aminopyralid	92		
H99_18_05	Florpyrauxifen-benzyl		M	
H99_19	Pyridyloxyacetic-acid herbicides	7781		
H99_19_02	Fluroxypyr	7650		
H99_19_03	Triclopyr	131		
H99_20	Quinoline herbicides	4621		
H99_20_01	Quinmerac	4621		
H99_20_02	Quinclorac		M	
H99_21	Thiadiazine herbicides		M	

H99_21_01	Bentazone		M	
H99_22	Thiocarbamate herbicides	41375		
H99_22_01	Molinate		M	
H99_22_02	Prosulfocarb	41375		
H99_22_03	Tri-allate		M	
H99_23	Triazole herbicides		M	
H99_23_01	Amitrole		M	
H99_24	Triazolinone herbicides	542		
H99_24_01	Carfentrazone-ethyl	542		
H99_25	Triazolone herbicides	1989		
H99_25_01	Propoxycarbazone (propoxycarbazone-sodium)		M	
H99_25_02	Thiencarbazone	1989		
H99_26	Triketone herbicides	20087		
H99_26_01	Mesotrione	12598		
H99_26_02	Sulcotrione		M	
H99_26_03	Tembotrione	7489		
H99_99	Unclassified herbicides	31827		
H99_99_01	Acetic acid	5383		
H99_99_02	Bispyribac		M	
H99_99_03	Clomazone	3452		
H99_99_04	Flurochloridone		M	
H99_99_05	Oxadiargyl		M	
H99_99_06	Oxadiazon		M	
H99_99_07	Pelargonic acid	22992		
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	2558539		
I01	Insecticides based on pyrethroids	22922		
I01_01	Pyrethroid insecticides	22922		
I01_01_01	Acrinathrin		M	
I01_01_02	Alpha-cypermethrin	100		
I01_01_03	Beta-cyfluthrin	323		
I01_01_04	Bifenthrin		M	

I01_01_05	Cyfluthrin		M	
I01_01_06	Cypermethrin	13059		
I01_01_07	Deltamethrin	610		
I01_01_08	Esfenvalerate	1562		
I01_01_09	Etofenprox	1247		
I01_01_10	Gamma-cyhalothrin	8		
I01_01_11	Lambda-cyhalothrin	854		
I01_01_12	Tau-fluvalinate	516		
I01_01_13	Tefluthrin	4535		
I01_01_14	Zeta-cypermethrin	108		
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	10		
I02_01	Anthranilic diamide insecticides	10		
I02_01_01	Cytraniliprole	10		
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	523		
I03_01	Oxime-carbamate insecticides		M	
I03_01_01	Methomyl		M	
I03_01_02	Oxamyl		M	
I03_02	Carbamate insecticides	523		
I03_02_01	Fenoxycarb		M	
I03_02_02	Formetanate		M	
I03_02_03	Methiocarb		M	
I03_02_04	Pirimicarb	523		
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	55323		
I05_01	Microbiological insecticides	54862		
I05_01_01	Adoxophyes orana granulovirus strain BV-0001	0		
I05_01_03	Bacillus thuringiensis subsp. Israeliensis (serotype H-14) strain AM65-52	2862		
I05_01_04	Metarhizium anisopliae var. Anisopliae strain bipesco 5/F52	8130		
I05_01_05	Paecilomyces fumosoroseus strain FE 9901	0		
I05_01_08	Bacillus thuringiensis subsp. Aizawai (ABTS-1857 and GC-91)	7849		
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 (ABTS 351, PB 54, SA 11, SA 12 and EG 2348)	1626		
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 EG 2348</i>			
I05_01_10	Bacillus thuringiensis subsp. Tenebrionis strain NB 176 (TM 141)	0		
I05_01_11	Beauveria bassiana (ATCC 74040 and GHA)	1221		
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)	0		
I05_01_13	Helicoverpa armigera nucleopolyhedrovirus (HEARNPV)	0		
I05_01_14	Lecanicillium muscarium (formerly verticilium lecanii) strain VE 6		M	
I05_01_15	Spodoptera littoralis nucleopolyhedrovirus		M	
I05_01_16	Beauveria bassiana strain 147		M	
I05_01_17	Beauveria bassiana strain NPP111B005		M	

I05_01_18	Isaria fumosorosea strain AOPKA 97 (formerly paecilomyces fumosoroseus)		M	
I05_01_19	Spodoptera exigua nuclear polyhedrosis virus		M	
I05_01_20	Beauveria bassiana strain IMI389521		M	
I05_01_21	Beauveria bassiana strain PPRI 5339		M	
I05_01_22	Baculovirus GV		M	
I05_01_23	Beauveria bassiana strain BB1		M	
I05_01_24	Beauveria brongniartii	30100		
I05_01_25	Phthorimaea operculella granulovirus (PHOPGV)		M	
I05_01_26	Spodoptera exigua multicapsid nucleopolyhedrovirus (SEMNPV)		M	
I05_01_27	Beauveria bassiana 203		M	
I05_01_28	Metarhizium brunneum strain CB15-III	3074		
I05_02	Botanical insecticides	461		
I05_02_01	Orange oil	58		
I05_02_02	Tagetes oil		M	
I05_02_03	Azadirachtin	242		
I05_02_04	Pyrethrins	161		
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	97		
I06_01	Pyrazole acaricides	5		
I06_01_01	Fenpyroximate	5		
I06_02	Tetrazine acaricides		M	
I06_02_01	Clofentezine		M	
I06_02_02	Flufenzin		M	
I06_99	Other acaricides	92		
I06_99_01	Acequinocyl	92		
I06_99_02	Cyflumetofen		M	
I06_99_99	Other acaricides n.e.c.		M	
I99	Other insecticides	2479664		
I99_01	Insecticides produced by fermentation	1515		
I99_01_01	Abamectin, avermectin B1A, avermectin B1B (expressed as abamectin)	13		
I99_01_02	Milbemectin	2		
I99_01_03	Spinosad	1459		

I99_01_04	Emamectin	41		
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	49		
I99_04_01	Bifenazate	49		
I99_05	Diazyldiazine insecticides	109		
I99_05_01	Methoxyfenozide		M	
I99_05_02	Tebufenozide	109		
I99_05_03	Chromafenozide		M	
I99_06	Insect growth regulators	39		
I99_06_01	Cyromazine		M	
I99_06_02	Buprofezin	0		
I99_06_03	Hexythiazox	39		
I99_08	Nitroguanidine insecticides	1680		
I99_08_01	Clothianidin	1680		
I99_08_02	Thiamethoxam		M	
I99_09	Organotin insecticides		M	
I99_09_01	Fenbutatin oxide		M	
I99_10	Oxadiazine insecticides	759		
I99_10_01	Indoxacarb	759		
I99_11	Phenyl-ether insecticides	144		
I99_11_01	Pyriproxyfen	144		
I99_12	Pyrazole (phenyl-) insecticides	311		
I99_12_02	Fipronil		M	
I99_12_03	Tebufenpyrad		M	
I99_12_04	Chlorantraniliprole	311		
I99_13	Pyridine insecticides	386		

I99_13_01	Pymetrozine		M	
I99_13_02	Flonicamid (IKI-220)	313		
I99_13_03	Sulfoxaflor	73		
I99_14	Pyridylmethylamine insecticides	4001		
I99_14_01	Acetamiprid	3334		
I99_14_02	Imidacloprid	26		
I99_14_03	Thiacloprid	0		
I99_14_04	Flupyradifurone	641		
I99_15	Sulfite ester insecticides		M	
I99_15_01	Propargite		M	
I99_17	Tetronic acid insecticides		M	
I99_17_01	Spirodiclofen		M	
I99_17_02	Spiromesifen		M	
I99_18	Insect attractants straight chain lepidopteran pheromones (scgps)	1610		
I99_18_01	(E,E)-8,10-dodecadien-1-ol	383		
I99_18_02	(Z)-9-dodecen-1-yl acetate	783		
I99_18_03	(Z)-8-dodecen-1-yl acetate	40		
I99_18_04	(2E,13Z)-octadecadien-1-yl acetate	1		
I99_18_05	(7E,9E)-dodecadien 1-yl acetate		M	
I99_18_06	(7E,9Z)-dodecadien 1-yl acetate	177		
I99_18_07	(7Z,11E)-hexadecadien-1-yl acetate		M	
I99_18_08	(7Z,11Z)-hexadecadien-1-yl acetate		M	
I99_18_09	(9Z,12E)-tetradecadien-1-yl acetate		M	
I99_18_10	(E)-11-tetradecen-1-yl acetate		M	
I99_18_11	(E)-5-decen-1-ol		M	
I99_18_12	(E)-5-decen-1-yl-acetate		M	
I99_18_13	(E)-8-dodecen-1-yl acetate	2		
I99_18_14	(E/Z)-8-dodecen-1-yl acetate		M	
I99_18_15	(Z)-11-hexadecen-1-ol		M	
I99_18_16	(Z)-11-hexadecen-1-yl acetate		M	
I99_18_17	(Z)-11-hexadecenal		M	
I99_18_18	(Z)-11-tetradecen-1-yl acetate	89		
I99_18_19	(Z)-13-octadecenal		M	

199_18_20	(Z)-7-tetradecenal		M	
199_18_21	(Z)-8-dodecen-1-ol	0		
199_18_22	(Z)-9-hexadecenal		M	
199_18_23	(Z)-9-tetradecen-1-yl acetate	18		
199_18_24	Dodecyl acetate		M	
199_18_25	Tetradecan-1-ol	17		
199_18_26	Dodecan-1-ol	73		
199_18_27	(E/Z)-9-dodecen-1-yl acetate		M	
199_18_28	(E,Z,Z)-3,8,11-tetradecatrien-1-yl acetate	13		
199_18_29	(E,Z)-3,8-tetradecadien-1-yl acetate	2		
199_18_30	N-tetradecylacetate	12		
199_18_31	(Z,E)-9,11-tetradecadien-1-yl acetate		M	
199_18_32	(E,Z)-3,13-octadecadienyl acetate	0		
199_18_33	(Z,Z)-3,13-octadecadienyl acetate		M	
199_18_34	N-hexadecanyl acetate		M	
199_18_35	(Z)-8-tetradecen-1-ol		M	
199_18_36	(Z)-8-tetradecen-1-yl acetate		M	
199_18_37	(E,E)-8,10-dodecadien-1-yl acetate		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 hydro-chloride		M	
199_19_04	(Z)-13-hexadecen-11yn-1-yl acetate		M	
199_19_05	(Z,Z,Z,Z)-7,13,16,19-docosa-tetraen-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	

I99_19_15	8-methyl-2-decanol propanoate		M	
I99_99	Unclassified insecticides-acaricides	2469061		
I99_99_03	Etoxazole	0		
I99_99_04	Fatty acids c7-c18 and c18 unsaturated potassium salts	37422		
I99_99_05	Fatty acids c8-c10 methyl esters		M	
I99_99_06	Fenazaquin		M	
I99_99_07	Kieselgur (diatomaceous earth)	5908		
I99_99_08	Lauric acid		M	
I99_99_09	Metaflumizone	501		
I99_99_10	Methyl decanoate		M	
I99_99_11	Methyl octanoate		M	
I99_99_12	Oleic acid	2557		
I99_99_13	Paraffin oil (CAS 64742-46-7)		M	
I99_99_14	Paraffin oil (CAS 72623-86-0)		M	
I99_99_15	Paraffin oil (CAS 8042-47-5)	56000		
I99_99_16	Paraffin oil (CAS 97862-82-3)		M	
I99_99_17	Phosphane	0		
I99_99_18	Pyridaben		M	
I99_99_19	Pyridalyl		M	
I99_99_20	Spirotetramat	1234		
I99_99_21	Sulfuryl fluoride	66902		
I99_99_27	Aluminium phosphide	8039		
I99_99_28	Magnesium phosphide	696		
I99_99_29	Carbon dioxide	2287188		
I99_99_30	Maltodextrin	2614		
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	10016		
M01	Molluscicides	10016		
M01_01	Molluscicides	10016		
M01_01_01	Ferric phosphate	4605		

M01_01_03	Metaldehyde	5411		
M01_01_04	Ferric pyrophosphate		M	
M01_01_99	Other molluscicides n.e.c.		M	
PES_PGR	PLANT GROWTH REGULATORS	52037		
PGR01	Physiological plant growth regulators	52037		
PGR01_01	Physiological plant growth regulators	45326		
PGR01_01_01	1-methylcyclopropene	8		
PGR01_01_02	Chlormequat and chlormequat chloride (expressed as chlormequat)	19555		
PGR01_01_03	Cyclanilide		M	
PGR01_01_04	Daminozide	230		
PGR01_01_05	Ethephon	5251		
PGR01_01_06	Ethoxyquin		M	
PGR01_01_07	Ethylene	80		
PGR01_01_08	Forchlorfenuron		M	
PGR01_01_09	Gibberellic acid	1		
PGR01_01_10	Gibberellins	41		
PGR01_01_11	Imazaquin		M	
PGR01_01_12	Maleic hydrazide	12288		
PGR01_01_13	Mepiquat	1430		
PGR01_01_14	Paclobutrazol	214		
PGR01_01_15	Prohexadione-calcium	1310		
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	4918		
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	6711		
PGR01_99_01	1-naphthylacetic acid (1-NAA)	15		
PGR01_99_02	1-decanol		M	
PGR01_99_03	1-naphthylacetamide (1-NAD)	70		

PGR01_99_04	2-naphthyloxyacetic acid (2-NOA)		M	
PGR01_99_05	6-benzyladenine	55		
PGR01_99_06	Cyanamide		M	
PGR01_99_07	Indolylbutyric acid	0		
PGR01_99_08	Sintofen (aka cintofen)		M	
PGR01_99_09	1,4-dimethylnaphthalene	6571		
PGR01_99_10	Sodium silver thiosulfate		M	
PGR01_99_11	S-abscisic acid		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	66208		
ZR02	Vegetal oils	27927		
ZR02_01	Vegetal oils	27927		
ZR02_01_01	Plant oils/citronella oil		M	
ZR02_01_02	Plant oils/clove oil		M	
ZR02_01_03	Plant oils/rape seed oil	26067		
ZR02_01_04	Plant oils/spearmint oil	1860		
ZR02_01_99	Other vegetal oils n.e.c.		M	
ZR03	Soil sterilants (incl. nematicides)	922		
ZR03_01	Methyl bromide		M	
ZR03_01_01	Methyl bromide		M	
ZR03_02	Biological nematicides		M	
ZR03_02_01	Paecilomyces lilacinus strain 251		M	
ZR03_02_02	Bacillus firmus strain I-1582		M	
ZR03_02_03	Pasteuria nishizawae PN1		M	

ZR03_02_99	Other biological nematicides n.e.c.		M	
ZR03_03	Organophosphorous nematicides		M	
ZR03_03_01	Fenamiphos		M	
ZR03_03_02	Fosthiazate		M	
ZR03_03_99	Other organophosphorous nematicides n.e.c.		M	
ZR03_99	Other soil sterilants	922		
ZR03_99_01	1,3-dichloropropene		M	
ZR03_99_02	Chloropicrin		M	
ZR03_99_03	Dazomet	922		
ZR03_99_04	Metam		M	
ZR03_99_99	Other soil sterilants n.e.c.		M	
ZR04	Rodenticides	164		
ZR04_01	Rodenticides	164		
ZR04_01_01	Calcium phosphide		M	
ZR04_01_02	Difenacoum		M	
ZR04_01_03	Warfarin		M	
ZR04_01_04	Zinc phosphide	164		
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	37195		
ZR99_01	Disinfectants		M	
ZR99_01_99	Other disinfectants n.e.c.		M	
ZR99_02	Repellents	37092		
ZR99_02_01	Aluminium ammonium sulphate		M	
ZR99_02_02	Aluminium silicate (aka kaolin)	0		
ZR99_02_03	Blood meal	160		
ZR99_02_04	Calcium carbide	0		
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	24267		

ZR99_02_10	Repellents by smell/tall oil crude		M	
ZR99_02_11	Repellents by smell/tall oil pitch		M	
ZR99_02_12	Sodium aluminium silicate		M	
ZR99_02_13	Fat distillation residues		M	
ZR99_02_14	Repellents by smell/fish oil	0		
ZR99_02_15	Repellents by smell/sheep fat	12665		
ZR99_02_16	Garlic extract		M	
ZR99_02_17	Pepper		M	
ZR99_02_99	Other repellents n.e.c.		M	
ZR99_99	Other plant protection products	103		
ZR99_99_07	Capric acid		M	
ZR99_99_08	Caprylic acid	98		
ZR99_99_12	Heptamaloxyloglucan		M	
ZR99_99_24	Zucchini yellow mosaic virus, weak strain		M	
ZR99_99_34	Pepino mosaic virus, CH2 strain, isolate 1906	0		
ZR99_99_35	Mild pepino mosaic virus isolate VC1	0		
ZR99_99_36	Mild pepino mosaic virus isolate VX1	0		
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
BD	Time series break, definition differs
BE	Time series break, estimated value
BP	Time series break, provisional value
DE	Definition differs, estimated value

DP	Definition differs, provisional value
EP	Estimated value, provisional value