



thinkstep
GaBi

Product Sustainability
Performance



Changelog

GaBi Service Pack
Update 33 to 34

September 2017

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Introduction

GaBi Service Packs comprise a collection of updates, enhancements or fixes to the following GaBi objects: flows, quantities, units, contacts, interpretations and references/citations. This document provides detailed information on what will be changed/added/deleted with the installation of the Service Packs.

If you need further information or if special questions should arise which have not been adequately described in this document, please feel free to send an e-mail to support@gabi-software.com.

1. New environmental quantities

Folder	Quantity
EF 1.8	Acidification terrestrial and freshwater Cancer human health effects Climate Change Ecotoxicity freshwater Eutrophication freshwater Eutrophication marine Eutrophication terrestrial Ionising radiation - human health Land Use Non-cancer human health effects Ozone depletion Photochemical ozone formation - human health Resource use, energy carriers Resource use, mineral and metals Respiratory inorganics Water scarcity
EPD EN 15804	EPS 2015d_1.1 Non renewable energy resources: Crude oil EPS 2015d_1.2 Non renewable energy resources: Hard coal EPS 2015d_1.3 Non renewable energy resources: Lignite



EPS 2015d_1.4 Non renewable energy resources: Natural gas
EPS 2015d_1.5 Non renewable energy resources: Peat
EPS 2015d_1.6 Non renewable energy resources: Uranium
EPS 2015d_2. Renewable energy resources
EPS 2015d_3. Land use
EPS 2015d_4.1 Material resources: Non renewable elements
EPS 2015d_4.2 Non renewable resources
EPS 2015d_4.3 Renewable resources
EPS 2015d_4.3.1 Renewable resources: Water
EPS 2015d_5.1 Heavy metals to air
EPS 2015d_5.2 Inorganic emissions to air
EPS 2015d_5.3 Organic emissions to air (group VOC)
EPS 2015d_5.3.1 Organic emissions to air (group VOC): Group NMVOC
EPS 2015d_5.3.2 Organic emissions to air (group VOC) - Group NMVOC: Group PAH to air
EPS 2015d_5.3.3 Organic emissions to air (group VOC) - Group NMVOC: Halogenated organics to air
EPS 2015d_5.4 Other emissions to air
EPS 2015d_5.5 Particles to air
EPS 2015d_5.6 Pesticides to air
EPS 2015d_5.7 Radioactive emissions to air
EPS 2015d_5.8 Long-term emissions to air
EPS 2015d_6.1 Analytic measures to fresh water
EPS 2015d_6.2 Heavy metals to fresh water
EPS 2015d_6.3 Inorganic emissions to fresh water
EPS 2015d_6.4 Organic emissions to fresh water
EPS 2015d_6.4.1 Halogenated organic emissions to fresh water
EPS 2015d_6.4.2 Organic emissions to fresh water: Hydrocarbons
EPS 2015d_6.5 Other emissions to fresh water
EPS 2015d_6.5.1 Other emissions to fresh water: Pesticides to fresh water
EPS 2015d_6.6 Particles to fresh water
EPS 2015d_6.7 Radioactive emissions to fresh water
EPS 2015d_6.8 Long-term to fresh water
EPS 2015d_7.1 Analytic measures to sea water



	<p>EPS 2015d_7.2 Heavy metals to sea water</p> <p>EPS 2015d_7.3 Inorganic emissions to sea water</p> <p>EPS 2015d_7.4 Organic emissions to sea water</p> <p>EPS 2015d_7.4.1 Halogenated organic emissions to sea water</p> <p>EPS 2015d_7.4.2 Organic emission to sea water: Hydrocarbons</p> <p>EPS 2015d_7.5 Other emissions to sea water</p> <p>EPS 2015d_7.5.1 Other emissions to sea water: Pesticides</p> <p>EPS 2015d_7.6 Particles to sea water</p> <p>EPS 2015d_7.7 Radioactive emissions to sea water</p>
EPS 2015d - Incl impacts from secondary particles	<p>EPS 2015d_1.1 Non renewable energy resources: Crude oil</p> <p>EPS 2015d_1.2 Non renewable energy resources: Hard coal</p> <p>EPS 2015d_1.3 Non renewable energy resources: Lignite</p> <p>EPS 2015d_1.4 Non renewable energy resources: Natural gas</p> <p>EPS 2015d_1.5 Non renewable energy resources: Peat</p> <p>EPS 2015d_1.6 Non renewable energy resources: Uranium</p> <p>EPS 2015d_2. Renewable energy resources</p> <p>EPS 2015d_3. Land use</p> <p>EPS 2015d_4.1 Material resources: Non renewable elements</p> <p>EPS 2015d_4.2 Non renewable resources</p> <p>EPS 2015d_4.3 Renewable resources</p> <p>EPS 2015d_4.3.1 Renewable resources: Water</p> <p>EPS 2015d_5.1 Heavy metals to air</p> <p>EPS 2015d_5.2 Inorganic emissions to air</p> <p>EPS 2015d_5.3 Organic emissions to air (group VOC)</p> <p>EPS 2015d_5.3.1 Organic emissions to air (group VOC): Group NMVOC</p> <p>EPS 2015d_5.3.2 Organic emissions to air (group VOC) - Group NMVOC: Group PAH to air</p> <p>EPS 2015d_5.3.3 Organic emissions to air (group VOC) - Group NMVOC: Halogenated organics to air</p> <p>EPS 2015d_5.4 Other emissions to air</p> <p>EPS 2015d_5.5 Particles to air</p> <p>EPS 2015d_5.6 Pesticides to air</p> <p>EPS 2015d_5.7 Radioactive emissions to air</p> <p>EPS 2015d_5.8 Long-term emissions to air</p> <p>EPS 2015d_6.1 Analytic measures to fresh water</p>



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ReCiPe 2016	<p>ReCiPe 2016 Midpoint (E) - Climate change, default, excl biogenic carbon</p> <p>ReCiPe 2016 Midpoint (E) - Climate change, incl biogenic carbon</p> <p>ReCiPe 2016 Midpoint (E) - Fine Particulate Matter Formation</p> <p>ReCiPe 2016 Midpoint (E) - Fossil depletion</p> <p>ReCiPe 2016 Midpoint (E) - Freshwater Consumption</p> <p>ReCiPe 2016 Midpoint (E) - Freshwater ecotoxicity</p> <p>ReCiPe 2016 Midpoint (E) - Freshwater Eutrophication</p> <p>ReCiPe 2016 Midpoint (E) - Human toxicity, cancer</p> <p>ReCiPe 2016 Midpoint (E) - Human toxicity, non-cancer</p> <p>ReCiPe 2016 Midpoint (E) - Ionizing Radiation</p> <p>ReCiPe 2016 Midpoint (E) - Land use</p> <p>ReCiPe 2016 Midpoint (E) - Marine ecotoxicity</p> <p>ReCiPe 2016 Midpoint (E) - Metal depletion</p>

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	ReCiPe 2016 Endpoint (I) - Terrestrial Acidification
	ReCiPe 2016 Endpoint (I) - Terrestrial ecotoxicity

2. Renaming of flows

We found some inconsistent naming which were corrected.

Renamed flows

Service pack 33	Service pack 34
Butylglycol	2-Butoxy-ethanol
Difenoconazol	Difenoconazole
Perfluorobutane	R 610 (Perfluorobutane)
Perfluorocyclobutane	R 318 (Perfluorocyclobutane)
Perfluoropropane	R 218 (Perfluoropropane)
Phosphoruos-pent-oxide	Phosphorus-pent-oxide
Phosphoruos-pent-oxide	Phosphorus-pent-oxide
Phosphoruos-pent-oxide	Phosphorus-pent-oxide
Phosphoruos-pent-oxide	Phosphorus-pent-oxide
Phosphoruos-pent-oxide	Phosphorus-pent-oxide
Phosphoruos-pent-oxide	Phosphorus-pent-oxide
Phosphoruos-pent-oxide	Phosphorus-pent-oxide
Quizalofop ethyl ester	Quizalofop-ethyl
R 111	R 111 (Trichlorofluoromethane)
R 112	R 112 (Dichlorodifluoromethane)
R 134	R 134 (1,1,2,2-Tetrafluoroethane)
R 152	R 152 (1,2-Difluoroethane)

R 161	R 161 (Fluoroethane)
R 211	R 211 (1,1,1,2,2,3,3-Heptachloro-3-fluoropropane)
R 212	R 212 (Hexachlorodifluoropropane)
R 213	R 213 (1,1,1,3,3-Pentachloro-2,2,3-trifluoropropane)
R 214	R 214 (1,1,1,3,3-Pentachloro-2,2,3-trifluoropropane)
R 215	R 215 (1,1,1-Trichloro-2,2,3,3,3-pentafluoropropane)
R 216	R 216 (1,2-Dichloro-1,1,2,3,3,3-hexafluoropropane)
R 217	R 217 (1-Chloro-1,1,2,2,3,3,3-heptafluoropropane)
R 236cb	R 236cb (1,1,1,2,2,3-Hexafluoropropane)
R 236ea	R 236ea (1,1,1,2,3,3-Hexafluoropropane)
R 245fa	R 245fa (1,1,1,3,3-Pentafluoropropane)
R 365mfc	R 365mfc (1,1,1,3,3-Pentafluorobutane)
R 41	R 41 (Fluoromethane)
R E125	R E125 ((Difluoromethoxy)trifluoromethane)
R E134	R E134 ((Difluoromethoxy)difluoromethane)
R E143a	R E143a (Trifluoro(methoxy)methane)
R E227ea	R E227ea (1,1,1,2-Tetrafluoro-2-(trifluoromethoxy)ethane)
R E235da2	R E235da2 (2-Chloro-2-(difluoromethoxy)-1,1,1-trifluoroethane)
R E236ea2	R E236ea2 (2-(Difluoromethoxy)-1,1,1,2-tetrafluoroethane)
R E236fa	R E236fa (1,1,1-Trifluoro-2-(trifluoromethoxy)ethane)

R E236fb2	R E236fb2 (1,2,2-trifluoroethyl trifluoromethyl ether)
R E245cb2	R E245cb2 (1,1,1,2,2-Pentafluoro-2-methoxy-ethane)
R E245fa1	R E245fa1 (1,1-Difluoro-2-(trifluoromethoxy)ethane)
R E245fa2	R E245fa2 (2-(Difluoromethoxy)-1,1,1-trifluoroethane)
R E254cb2	R E254cb1 (1,1,2,2-Tetrafluoro-1-methoxyethane)
R E263fb2	R E263fb1 (1,1,1-Trifluoro-2-methoxyethane)
R E329mcc2	R E329mcc2 (1,1,1,2,2-Pentafluoro-2-(1,1,2,2-tetrafluoroethoxy)ethane)
R E338mcf2	R E338mcf2 (1,1,1,2,2-Pentafluoro-2-(2,2,2-trifluoroethoxy)ethane)
R E338pcc13 (HG-01)	R E338pcc13 (HG-01) (1,2-Bis(difluoromethoxy)-1,1,2,2-tetrafluoroethane)
R E347mcc3	R E347mcc3 (1,1,1,2,2,3,3-Heptafluoro-3-methoxypropane)
R E347mcf2	R E347mcf2 (1-(2,2-Difluoroethoxy)-1,1,2,2,2-pentafluoroethane)
R E347pcf2	R E347pcf2 (1,1,2,2-Tetrafluoro-1-(2,2,2-trifluoroethoxy)ethane)
R E356mec3	R E356mec3 (1,1,1,2,3,3-Hexafluoro-3-methoxypropane)
R E356pcc3	R E356pcc3 (1,1,2,2,3,3-Hexafluoro-1-methoxypropane)
R E356pcf2	R E356pcf2 (1-(2,2-Difluoroethoxy)-1,1,2,2-tetrafluoroethane)
R E356pcf3	R E356pcf3 (3-(Difluoromethoxy)-1,1,2,2-tetrafluoropropane)
R E365mcf3	R E365mcf3 (1,1,1,2,2-Pentafluoro-3-methoxypropane)
R E374pc2	R E374pc2 (1-Ethoxy-1,1,2,2-tetrafluoroethane)
R32 (difluoromethane)	R 32 (difluoromethane)

3. Merged flows

Additional merged flows:

Service pack 30 flow	Action	Service pack 33 flow
Tin ore	Combined to	Tin ore (0.01%)
Tin ore (0.01%)		
Octafluorotetramethylene hydroxymethyl group	Combined to	Octafluorocyclopentanol
Octafluorocyclopentanol		
HFE 7200	Combined to	R E569sf2 (HFE-7200) (1-Ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane)
R E569sf2 (HFE-7200) (1-Ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane)		

4. New elementary flows

With SP33 we introduced new regionalized land use and water resource flows to support the latest water and land use methodologies.

Besides there more than 15.000 flows for land use and regionalized water, we've created the following elementary flows:

Flow	Folder
Abiotic depletion potential for fossil resources (ADPF)	EPD (EN 15804 indicators)
Abiotic depletion potential for non fossil resources (ADPE)	EPD (EN 15804 indicators)
Acidification potential (AP)	EPD (EN 15804 indicators)
Eutrophication potential (EP)	EPD (EN 15804 indicators)
Global warming potential (GWP)	EPD (EN 15804 indicators)
Hazardous waste disposed (HWD)	EPD (EN 15804 indicators)
Non-hazardous waste disposed (NHWD)	EPD (EN 15804 indicators)
Ozone depletion potential (ODP)	EPD (EN 15804 indicators)
Photochemical Ozone Creation Potential (POCP)	EPD (EN 15804 indicators)
Radioactive waste disposed (RWD)	EPD (EN 15804 indicators)
Total use of non-renewable primary energy resources (PENRT)	EPD (EN 15804 indicators)
Total use of renewable primary energy resources (PERT)	EPD (EN 15804 indicators)
Use of net fresh water (FW)	EPD (EN 15804 indicators)
Use of renewable primary energy resources used as raw materials (PERM)	EPD (EN 15804 indicators)
Gold	Heavy metals to agricultural soil
Gold	Heavy metals to industrial soil
Potassium sulfide	Inorganic emissions to air
2,4-D, Dimethylamine salt	Pesticides to agricultural soil
2,4-mcpa (potassium salt)	Pesticides to agricultural soil
ABTS 351 (Bacillus Thuringiensis ssp. Kurstaki)	Pesticides to agricultural soil

ABTS-1857 (<i>B. thuringiensis</i>)	Pesticides to agricultural soil
Alcohols, C12-18, ethoxylated	Pesticides to agricultural soil
Azadirachtin	Pesticides to agricultural soil
Barban	Pesticides to agricultural soil
Bispyribac-sodium	Pesticides to agricultural soil
Bixafen	Pesticides to agricultural soil
Boscalid	Pesticides to agricultural soil
Butachlor	Pesticides to agricultural soil
Cartap hydrochloride	Pesticides to agricultural soil
Chlorantraniliprol	Pesticides to agricultural soil
Cinnamon extract	Pesticides to agricultural soil
Clothianidin	Pesticides to agricultural soil
Copper(II) hydroxid	Pesticides to agricultural soil
Cyhalofop-butyl	Pesticides to agricultural soil
Dicamba sodium salt	Pesticides to agricultural soil
Diflufenzopyr	Pesticides to agricultural soil
Dimethenamid-P	Pesticides to agricultural soil
Dimoxystrobin	Pesticides to agricultural soil
Dinotefuran	Pesticides to agricultural soil
Ethiprole	Pesticides to agricultural soil
Etofenprox	Pesticides to agricultural soil
Famoxadone	Pesticides to agricultural soil
Fenhexamid	Pesticides to agricultural soil
Fenpropimorph (Cis-)	Pesticides to agricultural soil
Fenthoate	Pesticides to agricultural soil
Flubendiamid	Pesticides to agricultural soil
Fluopyram	Pesticides to agricultural soil

Fluoxastrobin	Pesticides to agricultural soil
Fluxapyroxad	Pesticides to agricultural soil
Glyphosate- potassium salt	Pesticides to agricultural soil
Isoprothiolane	Pesticides to agricultural soil
Isopyrazam	Pesticides to agricultural soil
Magnesiumsulfat-Heptahydrat	Pesticides to agricultural soil
Manganese Nitrate	Pesticides to agricultural soil
Manganese sulfate	Pesticides to agricultural soil
Mepanipirim	Pesticides to agricultural soil
Metaldehyde	Pesticides to agricultural soil
Methylated Rapeseed Oil	Pesticides to agricultural soil
Metrafenone	Pesticides to agricultural soil
Myclobutanil	Pesticides to agricultural soil
Orthosulfamuron	Pesticides to agricultural soil
Oxadiargyl	Pesticides to agricultural soil
Penthiopyrad	Pesticides to agricultural soil
Phosphamidon	Pesticides to agricultural soil
Picolinafen	Pesticides to agricultural soil
Pinoxaden	Pesticides to agricultural soil
Pretilachlore	Pesticides to agricultural soil
Pyrazosulfuron-ethyl	Pesticides to agricultural soil
Quinalphos	Pesticides to agricultural soil
Quizalofop-P-tefuryl	Pesticides to agricultural soil
Rapeseed oil	Pesticides to agricultural soil
Saflufenacil	Pesticides to agricultural soil
Sedaxane	Pesticides to agricultural soil
Spinosade	Pesticides to agricultural soil



Spiromesifen	Pesticides to agricultural soil
Tepraloxydim	Pesticides to agricultural soil
Tetraconazole	Pesticides to agricultural soil
Thiacloprid	Pesticides to agricultural soil
Topramezone	Pesticides to agricultural soil
Tricyclazole	Pesticides to agricultural soil
Zinc phosphid	Pesticides to agricultural soil
Zinc sulphate	Pesticides to agricultural soil
2,4-mcpa (potassium salt)	Pesticides to air
Abamectin	Pesticides to air
ABTS 351 (Bacillus Thuringiensis ssp. Kurstaki)	Pesticides to air
ABTS-1857 (B. thuringiensis)	Pesticides to air
Aclonifen	Pesticides to air
Alcohols, C12-18, ethoxylated	Pesticides to air
alpha-Cypermethrin	Pesticides to air
Bispyribac-sodium	Pesticides to air
Bixafen	Pesticides to air
Boscalid	Pesticides to air
Buprofezin	Pesticides to air
Butachlor	Pesticides to air
Cartap hydrochloride	Pesticides to air
Chlorantraniliprol	Pesticides to air
Chlortorulon	Pesticides to air
Cinnamon extract	Pesticides to air
Clodinafop-propargyl	Pesticides to air
Cloquintocet-mexyl	Pesticides to air
Clothianidin	Pesticides to air



Copper(II) hydroxid	Pesticides to air
Cycloxydim	Pesticides to air
Cyhalofop-butyl	Pesticides to air
Cymoxanil	Pesticides to air
Cyproconazole	Pesticides to air
Desmedipham	Pesticides to air
Difenoconazole	Pesticides to air
Diflufenzopyr	Pesticides to air
Dimethachlor	Pesticides to air
Dimethenamid-P	Pesticides to air
Dimethomorph	Pesticides to air
Dimoxystrobin	Pesticides to air
Dinotefuran	Pesticides to air
Epoxiconazole	Pesticides to air
Ethiprole	Pesticides to air
Ethofumesate	Pesticides to air
Famoxadone	Pesticides to air
Fenhexamid	Pesticides to air
Fenpropidin	Pesticides to air
Fenpropimorph	Pesticides to air
Fenpropimorph (Cis-)	Pesticides to air
Florasulam	Pesticides to air
Flubendiamid	Pesticides to air
Fludioxonil	Pesticides to air
Fluopyram	Pesticides to air
Fluoxastrobin	Pesticides to air
Flupyrsulfuron methyl	Pesticides to air



Fluquinconazole	Pesticides to air
Flurtamone	Pesticides to air
Flusilazole	Pesticides to air
Fluxapyroxad	Pesticides to air
Foramsulfuron	Pesticides to air
Glyphosate- potassium salt	Pesticides to air
haloxyfop-P-methyl	Pesticides to air
Hexaconazole	Pesticides to air
Imazapyr	Pesticides to air
Iodosulfuron	Pesticides to air
iodosulfuron-methyl-sodium	Pesticides to air
Isoprothiolane	Pesticides to air
Isopyrazam	Pesticides to air
Kresoxim-methyl (BAS 490F)	Pesticides to air
Lenacil	Pesticides to air
Magnesiumsulfat-Heptahydrat	Pesticides to air
Mandipropamid	Pesticides to air
Manganese Nitrate	Pesticides to air
Manganese sulfate	Pesticides to air
Mecoprop-P	Pesticides to air
Mepanipirim	Pesticides to air
Mesotrione	Pesticides to air
Metalaxyl	Pesticides to air
Metalaxyl-M	Pesticides to air
Metaldehyde	Pesticides to air
Metconazole	Pesticides to air
Methiocarb	Pesticides to air



Methylated Rapeseed Oil	Pesticides to air
Metiram	Pesticides to air
Metrafenone	Pesticides to air
Myclobutanil	Pesticides to air
Napropamide	Pesticides to air
Nicosulfuron	Pesticides to air
Orthosulfamuron	Pesticides to air
Oxadiargyl	Pesticides to air
Oxadixyl	Pesticides to air
Penthiopyrad	Pesticides to air
Phenmedipham	Pesticides to air
Picolinafen	Pesticides to air
Picoxystrobin	Pesticides to air
Pinoxaden	Pesticides to air
Pretilachlore	Pesticides to air
Prochloraz	Pesticides to air
Prohexadione-calcium	Pesticides to air
Propamocarb hydrochlorid	Pesticides to air
Propaquizafop	Pesticides to air
Propyzamide	Pesticides to air
Prosulfocarb	Pesticides to air
Pymetrozine	Pesticides to air
Pyrazosulfuron-ethyl	Pesticides to air
Pyrethrine	Pesticides to air
Quinmerac	Pesticides to air
Quinoxyfen	Pesticides to air
Quizalofop-p-ethyl	Pesticides to air



Quizalofop-P-tefuryl	Pesticides to air
Rapeseed oil	Pesticides to air
Saflufenacil	Pesticides to air
Sedaxane	Pesticides to air
Spinosade	Pesticides to air
Spiromesifen	Pesticides to air
Spiroxamine	Pesticides to air
Sulfosulfuron	Pesticides to air
Tau-Fluvalinate	Pesticides to air
Tepraloxydim	Pesticides to air
Terbuthylazine	Pesticides to air
Tetraconazole	Pesticides to air
Thiacloprid	Pesticides to air
Thiophanate-methyl	Pesticides to air
Topramezone	Pesticides to air
Triclopyr	Pesticides to air
Tricyclazole	Pesticides to air
Trinexapac-ethyl	Pesticides to air
Zinc phosphid	Pesticides to air
2,4-mcpa (potassium salt)	Pesticides to fresh water
Abamectin	Pesticides to fresh water
ABTS 351 (<i>Bacillus Thuringiensis</i> ssp. <i>Kurstaki</i>)	Pesticides to fresh water
ABTS-1857 (<i>B. thuringiensis</i>)	Pesticides to fresh water
Alcohols, C12-18, ethoxylated	Pesticides to fresh water
Bispyribac-sodium	Pesticides to fresh water
Bixafen	Pesticides to fresh water
Boscalid	Pesticides to fresh water



Buprofezin	Pesticides to fresh water
Butachlor	Pesticides to fresh water
Cartap hydrochloride	Pesticides to fresh water
Chlorantraniliprol	Pesticides to fresh water
Chlorimuron-Ethyl	Pesticides to fresh water
Chlortorulon	Pesticides to fresh water
Cinnamon extract	Pesticides to fresh water
Clethodim	Pesticides to fresh water
Clodinafop-propargyl	Pesticides to fresh water
Cloquintocet-mexyl	Pesticides to fresh water
Clothianidin	Pesticides to fresh water
Copper(II) hydroxid	Pesticides to fresh water
Cycloxydim	Pesticides to fresh water
Cyhalofop-butyl	Pesticides to fresh water
Cymoxanil	Pesticides to fresh water
Cyproconazole	Pesticides to fresh water
Difenoconazole	Pesticides to fresh water
Diflufenzopyr	Pesticides to fresh water
Dimethachlor	Pesticides to fresh water
Dimethenamid-P	Pesticides to fresh water
Dimoxystrobin	Pesticides to fresh water
Dinotefuran	Pesticides to fresh water
Epoxiconazole	Pesticides to fresh water
Ethiprole	Pesticides to fresh water
Famoxadone	Pesticides to fresh water
Fenhexamid	Pesticides to fresh water
Fenpropimorph (Cis-)	Pesticides to fresh water



Florasulam	Pesticides to fresh water
Flubendiamid	Pesticides to fresh water
Fludioxonil	Pesticides to fresh water
Flufenacet (Fluthiamide)	Pesticides to fresh water
Fluopyram	Pesticides to fresh water
Fluoxastrobin	Pesticides to fresh water
Flupyr-sulfuron methyl	Pesticides to fresh water
Fluquinconazole	Pesticides to fresh water
Flurtamone	Pesticides to fresh water
Flusilazole	Pesticides to fresh water
Fluxapyroxad	Pesticides to fresh water
Foramsulfuron	Pesticides to fresh water
Gamma-cyhalothrin	Pesticides to fresh water
Glyphosate- potassium salt	Pesticides to fresh water
haloxyfop-P-methyl	Pesticides to fresh water
Hexaconazole	Pesticides to fresh water
Imazamox	Pesticides to fresh water
Imazapyr	Pesticides to fresh water
Imazethapyr	Pesticides to fresh water
Iodosulfuron	Pesticides to fresh water
iodosulfuron-methyl-sodium	Pesticides to fresh water
Isoprothiolane	Pesticides to fresh water
Isopyrazam	Pesticides to fresh water
Lenacil	Pesticides to fresh water
Magnesiumsulfat-Heptahydrat	Pesticides to fresh water
Mandipropamid	Pesticides to fresh water
Manganese Nitrate	Pesticides to fresh water



Manganese sulfate	Pesticides to fresh water
Mecoprop-P	Pesticides to fresh water
Mepanipirim	Pesticides to fresh water
Mesotrione	Pesticides to fresh water
Metalaxyl	Pesticides to fresh water
Metalaxyl-M	Pesticides to fresh water
Metaldehyde	Pesticides to fresh water
Metconazole	Pesticides to fresh water
Methiocarb	Pesticides to fresh water
Methylated Rapeseed Oil	Pesticides to fresh water
Metiram	Pesticides to fresh water
Metrafenone	Pesticides to fresh water
Myclobutanil	Pesticides to fresh water
Nicosulfuron	Pesticides to fresh water
Orthosulfamuron	Pesticides to fresh water
Oxadiargyl	Pesticides to fresh water
Oxadixyl	Pesticides to fresh water
Penthiopyrad	Pesticides to fresh water
Picolinafen	Pesticides to fresh water
Picoxystrobin	Pesticides to fresh water
Pinoxaden	Pesticides to fresh water
Pretilachlore	Pesticides to fresh water
Prohexadione-calcium	Pesticides to fresh water
Pymetrozine	Pesticides to fresh water
Pyrazosulfuron-ethyl	Pesticides to fresh water
Pyrethrine	Pesticides to fresh water
Quinmerac	Pesticides to fresh water



Quinoxyfen	Pesticides to fresh water
Quizalofop-p-ethyl	Pesticides to fresh water
Quizalofop-P-tefuryl	Pesticides to fresh water
Rapeseed oil	Pesticides to fresh water
Saflufenacil	Pesticides to fresh water
Sedaxane	Pesticides to fresh water
Spinosade	Pesticides to fresh water
Spiromesifen	Pesticides to fresh water
Spiroxamine	Pesticides to fresh water
Sulfentrazone	Pesticides to fresh water
Sulfosulfuron	Pesticides to fresh water
Tepraloxydim	Pesticides to fresh water
Tetraconazole	Pesticides to fresh water
Thiacloprid	Pesticides to fresh water
Thiophanate-methyl	Pesticides to fresh water
Topramezone	Pesticides to fresh water
Triclopyr	Pesticides to fresh water
Tricyclazole	Pesticides to fresh water
Zeta-cypermethrin	Pesticides to fresh water
Zinc phosphid	Pesticides to fresh water
Zinc sulphate	Pesticides to fresh water
2,4-DB	Pesticides to industrial soil
2,4-mcpa (potassium salt)	Pesticides to industrial soil
Abamectin	Pesticides to industrial soil
ABTS 351 (<i>Bacillus Thuringiensis</i> ssp. <i>Kurstaki</i>)	Pesticides to industrial soil
ABTS-1857 (<i>B. thuringiensis</i>)	Pesticides to industrial soil
Alcohols, C12-18, ethoxylated	Pesticides to industrial soil



Bispyribac-sodium	Pesticides to industrial soil
Bixafen	Pesticides to industrial soil
Boscalid	Pesticides to industrial soil
Buprofezin	Pesticides to industrial soil
Butachlor	Pesticides to industrial soil
Carfentrazone-ethyl	Pesticides to industrial soil
Cartap hydrochloride	Pesticides to industrial soil
Chlorantraniliprol	Pesticides to industrial soil
Chlorimuron-Ethyl	Pesticides to industrial soil
Chlortorulon	Pesticides to industrial soil
Cinnamon extract	Pesticides to industrial soil
Clethodim	Pesticides to industrial soil
Clodinafop-propargyl	Pesticides to industrial soil
Cloquintocet-mexyl	Pesticides to industrial soil
Clothianidin	Pesticides to industrial soil
Copper(II) hydroxid	Pesticides to industrial soil
Cycloxydim	Pesticides to industrial soil
Cyhalofop-butyl	Pesticides to industrial soil
Cymoxanil	Pesticides to industrial soil
Cyproconazole	Pesticides to industrial soil
Difenoconazole	Pesticides to industrial soil
Diflufenzopyr	Pesticides to industrial soil
Dimethachlor	Pesticides to industrial soil
Dimethenamid-P	Pesticides to industrial soil
Dimoxystrobin	Pesticides to industrial soil
Dinotefuran	Pesticides to industrial soil
Epoxiconazole	Pesticides to industrial soil



Ethiprole	Pesticides to industrial soil
Famoxadone	Pesticides to industrial soil
Fenhexamid	Pesticides to industrial soil
Fenpropimorph (Cis-)	Pesticides to industrial soil
Florasulam	Pesticides to industrial soil
Flubendiamid	Pesticides to industrial soil
Fludioxonil	Pesticides to industrial soil
Flufenacet (Fluthiamide)	Pesticides to industrial soil
Fluopyram	Pesticides to industrial soil
Fluoxastrobin	Pesticides to industrial soil
Flupyr-sulfuron methyl	Pesticides to industrial soil
Fluquinconazole	Pesticides to industrial soil
Flurtamone	Pesticides to industrial soil
Flusilazole	Pesticides to industrial soil
Fluxapyroxad	Pesticides to industrial soil
Foramsulfuron	Pesticides to industrial soil
Gamma-cyhalothrin	Pesticides to industrial soil
Glyphosate- potassium salt	Pesticides to industrial soil
haloxyfop-P-methyl	Pesticides to industrial soil
Hexaconazole	Pesticides to industrial soil
Imazamox	Pesticides to industrial soil
Imazapyr	Pesticides to industrial soil
Imazethapyr	Pesticides to industrial soil
Iodosulfuron	Pesticides to industrial soil
iodosulfuron-methyl-sodium	Pesticides to industrial soil
Isoprothiolane	Pesticides to industrial soil
Isopyrazam	Pesticides to industrial soil

Lenacil	Pesticides to industrial soil
Magnesiumsulfat-Heptahydrat	Pesticides to industrial soil
Mandipropamid	Pesticides to industrial soil
Manganese Nitrate	Pesticides to industrial soil
Manganese sulfate	Pesticides to industrial soil
Mecoprop-P	Pesticides to industrial soil
Mepanipirim	Pesticides to industrial soil
Mesotrione	Pesticides to industrial soil
Metalaxyl	Pesticides to industrial soil
Metalaxyl-M	Pesticides to industrial soil
Metaldehyde	Pesticides to industrial soil
Metconazole	Pesticides to industrial soil
Methiocarb	Pesticides to industrial soil
Methylated Rapeseed Oil	Pesticides to industrial soil
Metiram	Pesticides to industrial soil
Metrafenone	Pesticides to industrial soil
Myclobutanil	Pesticides to industrial soil
Nicosulfuron	Pesticides to industrial soil
Orthosulfamuron	Pesticides to industrial soil
Oxadiargyl	Pesticides to industrial soil
Oxadixyl	Pesticides to industrial soil
Penthiopyrad	Pesticides to industrial soil
Picolinafen	Pesticides to industrial soil
Picoxystrobin	Pesticides to industrial soil
Pinoxaden	Pesticides to industrial soil
Pretilachlore	Pesticides to industrial soil
Prohexadione-calcium	Pesticides to industrial soil

Prothioconazole	Pesticides to industrial soil
Pyraclostrobin	Pesticides to industrial soil
Pyrazosulfuron-ethyl	Pesticides to industrial soil
Pyrethrine	Pesticides to industrial soil
Quinmerac	Pesticides to industrial soil
Quinoxyfen	Pesticides to industrial soil
Quizalofop-p-ethyl	Pesticides to industrial soil
Quizalofop-P-tefuryl	Pesticides to industrial soil
Rapeseed oil	Pesticides to industrial soil
Saflufenacil	Pesticides to industrial soil
Sedaxane	Pesticides to industrial soil
Spinosade	Pesticides to industrial soil
Spiromesifen	Pesticides to industrial soil
Spiroxamine	Pesticides to industrial soil
Sulfentrazone	Pesticides to industrial soil
Sulfosulfuron	Pesticides to industrial soil
Tefluthrin	Pesticides to industrial soil
Tepraloxydim	Pesticides to industrial soil
Tetraconazole	Pesticides to industrial soil
Thiacloprid	Pesticides to industrial soil
Thiophanate-methyl	Pesticides to industrial soil
Topramezone	Pesticides to industrial soil
Triclopyr	Pesticides to industrial soil
Tricyclazole	Pesticides to industrial soil
Trifloxistrobin	Pesticides to industrial soil
Zeta-cypermethrin	Pesticides to industrial soil
Zinc phosphid	Pesticides to industrial soil



Zinc sulphate	Pesticides to industrial soil
2,4-DB	Pesticides to sea water
2,4-mcpa (potassium salt)	Pesticides to sea water
Abamectin	Pesticides to sea water
ABTS 351 (Bacillus Thuringiensis ssp. Kurstaki)	Pesticides to sea water
ABTS-1857 (B. thuringiensis)	Pesticides to sea water
Alcohols, C12-18, ethoxylated	Pesticides to sea water
Bispyribac-sodium	Pesticides to sea water
Bixafen	Pesticides to sea water
Boscalid	Pesticides to sea water
Buprofezin	Pesticides to sea water
Butachlor	Pesticides to sea water
Carfentrazone-ethyl	Pesticides to sea water
Cartap hydrochloride	Pesticides to sea water
Chlorantraniliprol	Pesticides to sea water
Chlorimuron-Ethyl	Pesticides to sea water
Chlortorulon	Pesticides to sea water
Cinnamon extract	Pesticides to sea water
Clethodim	Pesticides to sea water
Clodinafop-propargyl	Pesticides to sea water
Cloquintocet-mexyl	Pesticides to sea water
Clothianidin	Pesticides to sea water
Copper(II) hydroxid	Pesticides to sea water
Cycloxydim	Pesticides to sea water
Cyhalofop-butyl	Pesticides to sea water
Cymoxanil	Pesticides to sea water
Cyproconazole	Pesticides to sea water



Difenoconazole	Pesticides to sea water
Diflufenzopyr	Pesticides to sea water
Dimethachlor	Pesticides to sea water
Dimethenamid-P	Pesticides to sea water
Dimoxystrobin	Pesticides to sea water
Dinotefuran	Pesticides to sea water
Epoxiconazole	Pesticides to sea water
Ethiprole	Pesticides to sea water
Famoxadone	Pesticides to sea water
Fenhexamid	Pesticides to sea water
Fenpropimorph (Cis-)	Pesticides to sea water
Florasulam	Pesticides to sea water
Flubendiamid	Pesticides to sea water
Fludioxonil	Pesticides to sea water
Flufenacet (Fluthiamide)	Pesticides to sea water
Fluopyram	Pesticides to sea water
Fluoxastrobin	Pesticides to sea water
Flupyrsulfuron methyl	Pesticides to sea water
Fluquinconazole	Pesticides to sea water
Flurtamone	Pesticides to sea water
Flusilazole	Pesticides to sea water
Fluxapyroxad	Pesticides to sea water
Foramsulfuron	Pesticides to sea water
Gamma-cyhalothrin	Pesticides to sea water
Glyphosate- potassium salt	Pesticides to sea water
haloxyfop-P-methyl	Pesticides to sea water
Hexaconazole	Pesticides to sea water



Imazamox	Pesticides to sea water
Imazapyr	Pesticides to sea water
Imazethapyr	Pesticides to sea water
Iodosulfuron	Pesticides to sea water
iodosulfuron-methyl-sodium	Pesticides to sea water
Isoprothiolane	Pesticides to sea water
Isopyrazam	Pesticides to sea water
Lenacil	Pesticides to sea water
Magnesiumsulfat-Heptahydrat	Pesticides to sea water
Mandipropamid	Pesticides to sea water
Manganese Nitrate	Pesticides to sea water
Manganese sulfate	Pesticides to sea water
Mecoprop-P	Pesticides to sea water
Mepanipirim	Pesticides to sea water
Mesotrione	Pesticides to sea water
Metalaxyl	Pesticides to sea water
Metalaxyl-M	Pesticides to sea water
Metaldehyde	Pesticides to sea water
Metconazole	Pesticides to sea water
Methiocarb	Pesticides to sea water
Methylated Rapeseed Oil	Pesticides to sea water
Metiram	Pesticides to sea water
Metrafenone	Pesticides to sea water
Myclobutanil	Pesticides to sea water
Nicosulfuron	Pesticides to sea water
Orthosulfamuron	Pesticides to sea water
Oxadiargyl	Pesticides to sea water



Oxadixyl	Pesticides to sea water
Penthiopyrad	Pesticides to sea water
Picolinafen	Pesticides to sea water
Picoxystrobin	Pesticides to sea water
Pinoxaden	Pesticides to sea water
Pretilachlore	Pesticides to sea water
Prohexadione-calcium	Pesticides to sea water
Prothioconazole	Pesticides to sea water
Pyraclostrobin	Pesticides to sea water
Pyrazosulfuron-ethyl	Pesticides to sea water
Pyrethrine	Pesticides to sea water
Quinmerac	Pesticides to sea water
Quinoxyfen	Pesticides to sea water
Quizalofop-p-ethyl	Pesticides to sea water
Quizalofop-P-tefuryl	Pesticides to sea water
Rapeseed oil	Pesticides to sea water
Saflufenacil	Pesticides to sea water
Sedaxane	Pesticides to sea water
Spinosade	Pesticides to sea water
Spiromesifen	Pesticides to sea water
Spiroxamine	Pesticides to sea water
Sulfentrazone	Pesticides to sea water
Sulfosulfuron	Pesticides to sea water
Tefluthrin	Pesticides to sea water
Tepraloxydim	Pesticides to sea water
Tetraconazole	Pesticides to sea water
Thiacloprid	Pesticides to sea water



Thiophanate-methyl	Pesticides to sea water
Topramezone	Pesticides to sea water
Triclopyr	Pesticides to sea water
Tricyclazole	Pesticides to sea water
Trifloxistrobin	Pesticides to sea water
Zeta-cypermethrin	Pesticides to sea water
Zinc phosphid	Pesticides to sea water
Zinc sulphate	Pesticides to sea water

GaBi ts version 8.1 will be available to you via the automatic update functionality in the GaBi software. No new installation procedure will be necessary.

On September 20th 2017, the new software version is available to you on the GaBi update server - the software will prompt you to download the updated version.

If you do not have a valid maintenance contract, you will not have access to this upgrade. Please contact your local GaBi sales representative for a quote gabi@thinkstep.com.

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