



## Pesticide Mixes

### Premixed Pesticide Multi-Compound CRMs

*Build Your Pesticide Library with SPEX CertiPrep Pesticide Mixes!*

Chemical pesticides have become an integral part of the agricultural toolbox, offering protection to crops from destructive pests. However, an unfortunate side effect of their use is the potential leaching of these, oftentimes, harmful chemicals into the environment leading to their eventual presence in the human food chain. As a result, pesticide residue analysis has become a critical testing process for many different types of laboratories.

Unfortunately, pesticide residue testing is a long, expensive and complicated process, covering hundreds of different compounds. Fortunately, as the leader in GC, GC/MS, HPLC, and LC/MS pesticide CRMs, SPEX CertiPrep is happy to assist you with all of your pesticide CRM needs.

For your convenience, we have designed a pesticide residue testing kit which includes 144 of the most commonly analyzed pesticides per EPA, AOAC, FDA, and other international testing methods. The kit is structured to maximize stability and solubility while minimizing unwanted analyte interaction and interference; enjoy shorter calibration times, fewer injections and money savings, as compared to purchasing individual pesticide standards.

For additional product information, please visit [www.spexcertiprep.com/products/pesticides/pesticide-mixes](http://www.spexcertiprep.com/products/pesticides/pesticide-mixes).

Description	Compound	CAS #	Concentration	Volume	Part #
Pesticide Kit containing all 10-multi-compound mixes.	Various	Various	100 µg/mL	1 mL	SPXPR-KIT
Pesticide Mix 1 containing 16 compounds in acetonitrile.	Acetamiprid Aldicarb Aldicarb sulfone Aldicarb sulfoxide Azoxystrobin Boscalid Chlorantraniliprole Fenoxycarb Imazalil Imidacloprid Iprodione Piperonyl butoxide Pirimicarb Tebufenpyrad Thiacloprid Trifloxystrobin	135410-20-7 116-06-3 1646-88-4 1646-87-3 131860-33-8 188425-85-6 500008-45-7 78127-80-3 35554-44-0 138261-41-3 36734-19-7 51-03-6 23103-98-2 119168-77-3 111988-49-9 141517-21-7	100 µg/mL for each component in the mix	1 mL	SPXPR-1

### CERTIFIED REFERENCE MATERIALS

Since 1954, SPEX CertiPrep is the industry leader in the CRM marketplace meeting the needs of laboratories worldwide with innovation and research. Accredited by A2LA to ISO/IEC 17025:2017 & ISO 17034:2016. Certified by DQS to ISO 9001:2015.

# Pesticide Mixes (cont'd)

## SPEX CertiPrep Pesticide Kits

Description	Compound	CAS #	Concentration	Volume	Part #
Pesticide Mix 2 containing 15 compounds in acetonitrile.	Azinphos-methyl	86-50-0	100 µg/mL for each component in the mix	1 mL	SPXPR-2
	Carbophenothion	786-19-6			
	Coumaphos	56-72-4			
	Ethoprophos (Ethoprop)	13194-48-4			
	Dimethoate	60-51-5			
	Dicrotophos	141-66-2			
	Terbufos	13071-79-9			
	Quinalphos	13593-03-8			
	Triazophos	24017-47-8			
	Dyfonate (Fonofos)	944-22-9			
	Malathion	121-75-5			
	Phosmet (Imidan)	732-11-6			
	Phosalone	2310-17-0			
	Methidathion	950-37-8			
Hexythiazox	78587-05-0				
Pesticide Mix 3 containing 15 compounds in acetonitrile.	Propargite (Omite)	2312-35-8	100 µg/mL for each component in the mix	1 mL	SPXPR-3
	Carbaryl	63-25-2			
	Myclobutanil (Systhane)	88671-89-0			
	Dimethomorph	110488-70-5			
	Etoxazole	153233-91-1			
	Spirodiclofen	148477-71-8			
	Thiamethoxam	153719-23-4			
	Fonicamid	158062-67-0			
	Etofenprox	80844-07-1			
	Phorate	298-02-2			
	Methamidophos	10265-92-6			
	Profenofos	41198-08-7			
	Monocrotophos	6923-22-4			
	Phenthoate	2597-03-7			
Pirimiphos-methyl	29232-93-7				
Pesticide Mix 4 containing 15 compounds in acetonitrile.	EPN	2104-64-5	100 µg/mL for each component in the mix	1 mL	SPXPR-4
	Dichlorvos	62-73-7			
	Edifenphos	17109-49-8			
	Ethion	563-12-2			
	Fenitrothion	122-14-5			
	Ethyl parathion	56-38-2			
	Methyl parathion	298-00-0			
	Acephate	30560-19-1			
	Disulfoton	298-04-4			
	Fenthion	55-38-9			
	Diazinon	333-41-5			
	Chlorpyrifos	2921-88-2			
	Fipronil	120068-37-3			
	Fludioxonil	131341-86-1			
Chlorothalonil	1897-45-6				
Pesticide Mix 5 containing 14 compounds in acetonitrile.	Baygon (Propoxur)	114-26-1	100 µg/mL for each component in the mix	1 mL	SPXPR-5
	Metalaxyl	57837-19-1			
	Methomyl	16752-77-5			
	Pymetrozine	123312-89-0			
	Pyraclostrobin	175013-18-0			
	Oxamyl	23135-22-0			
	Paclobutrazol	76738-62-0			
	Prochloraz	67747-09-5			
	Clofentezine	74115-24-5			
	Diuron	330-54-1			
	Linuron	330-55-2			
	Isoproturon	34123-59-6			
	Pencycuron	66063-05-6			
	Oxydemeton-methyl	301-12-2			

# Pesticide Mixes (cont'd)

## SPEX CertiPrep Pesticide Kits (cont'd)

Description	Compound	CAS #	Concentration	Volume	Part #
Pesticide Mix 6 containing 15 compounds in acetonitrile.	Fenvalerate (Sanmarton) Pyridaben tau-Fluvalinate Quinoxifen Alachlor Pendimethalin (Prowl) Kresoxim-methyl Chlorpropham Epoxiconazole Fenpropathrin (mix of isomers) Fenoprop (2, 4, 5-TP) Bentazon Metolachlor Quintozene (pentachloronitrobenzene) Captan	51630-58-1 96489-71-3 102851-06-9 124495-18-7 15972-60-8 40487-42-1 143390-89-0 101-21-3 133855-98-8 64257-84-7 93-72-1 25057-89-0 51218-45-2 82-68-8 133-06-2	100 µg/mL for each component in the mix	1 mL	SPXPR-6
Pesticide Mix 7 containing 8 compounds in acetonitrile.	Cypermethrin Cyfluthrin (Baythroid) Bifenthrin Tetramethrin Prallethrin (mix of isomers) Permethrin (mix of isomers) Resmethrin (mix of isomers) Pyrethrins (mix of isomers)	52315-07-8 68359-37-5 82657-04-3 7696-12-0 23031-36-9 52645-53-1 10453-86-8 8003-34-7	100 µg/mL for each component in the mix	1 mL	SPXPR-7
Pesticide Mix 8 containing 15 compounds in acetonitrile.	Abamectin (mix of isomers) Bifenazate Bromacil Hexaconazole Fenobucarb (BPMC) Fenpyroximate Hexaconazole Isoprocarb (MIPC) Methiocarb Propazine Propiconazole (Tilt) Spinetoram (J) Spinosad (as Spinosyn A) Spiromesifen Spirotetramat Tebuconazole (Folicur)	71751-41-2 149877-1-8 314-40-9 3766-81-2 111812-58-9 79983-71-4 2631-40-5 2032-65-7 139-40-2 60207-90-1 178166-40-1 131929-60-7 283594-90-1 203313-25-1 107534-96-3	100 µg/mL for each component in the mix	1 mL	SPXPR-8
Pesticide Mix 9 containing 16 compounds in acetonitrile:acetone (9:1).	2,4-DB Fenoxaprop Fluometuron Fenhexamid Trichlorfon (Dylox) Fenamiphos-sulfoxide Fenamiphos-sulfone Molinate 3-Hydroxycarbofuran Thiophanate-methyl Acequinocyl Carbofuran Cyanazine (Bladex) Simazine Atrazine Atrazine-desethyl	94-82-6 95617-09-7 2164-17-2 126833-17-8 52-68-6 31972-43-7 31972-44-8 2212-67-1 16655-82-6 23564-05-8 57960-19-7 1563-66-2 21752-46-2 122-34-9 1912-24-9 6190-65-4	100 µg/mL for each component in the mix	1 mL	SPXPR-9

## Pesticide Mixes (cont'd)

## SPEX CertiPrep Pesticide Kits (cont'd)

Description	Compound	CAS #	Concentration	Volume	Part #
Pesticide Mix 10 containing 15 compounds in acetonitrile.	Aldrin	309-00-2	100 µg/mL for each component in the mix	1 mL	SPXPR-10
	p-p'-DDE	72-55-9			
	o-p'-DDD	53-19-0			
	p-p'-DDD	72-54-8			
	o-p'-DDE	3424-82-6			
	o-p'-DDT	789-02-6			
	p-p'-DDT	50-29-3			
	Dieldrin	60-57-1			
	Endrin	72-20-8			
	Endrin aldehyde	7421-93-4			
	Endrin ketone	53494-70-5			
	Isodrin	465-73-6			
	Chlordecone	143-50-0			
	Metribuzin	21087-64-9			
	Mirex	2385-85-5			

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