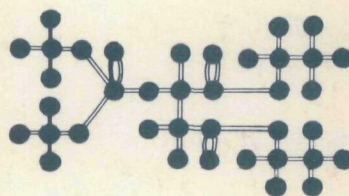
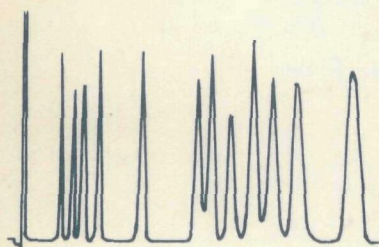


EPA-600/9-76-012

May 1976

**ANALYTICAL
REFERENCE STANDARDS
AND SUPPLEMENTAL DATA
FOR PESTICIDES
AND OTHER
SELECTED ORGANIC COMPOUNDS**



**U.S. ENVIRONMENTAL PROTECTION AGENCY
Health Effects Research Laboratory
Environmental Toxicology Division
Research Triangle Park, N.C. 27711**

**ANALYTICAL REFERENCE STANDARDS
AND
SUPPLEMENTAL DATA
FOR
PESTICIDES AND OTHER ORGANIC COMPOUNDS**

Prepared by

Analytical Chemistry Branch
Environmental Toxicology Division

Editor: J. F. Thompson

HEALTH EFFECTS RESEARCH LABORATORY
OFFICE OF RESEARCH AND DEVELOPMENT
U.S. ENVIRONMENTAL PROTECTION AGENCY
RESEARCH TRIANGLE PARK, N. C. 27711

May 1976

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PREFACE

The reference standards repository of the Health Effects Research Laboratory was originally established in 1965 at the Perrine, Florida facility then known as the Pesticides Research Laboratory of the U.S. Public Health Service. The repository was created as a central source of high purity pesticide reference standards available only to in-house scientists and laboratories in the field conducting area or "community" monitoring of pesticides in human biota under contract with the Public Health Service.

During ensuing years at Perrine and more recently at Research Triangle Park, N.C., the laboratory now known as the Environmental Toxicology Division of the EPA Health Effects Research Laboratory, has extended its service to other bona fide pesticide research and monitoring laboratories on a discretionary basis as time and resources have permitted. As this edition goes to press, over 700 laboratories are on the mailing list, including 76 laboratories in 31 foreign countries which have cooperative relationships with the U.S. government. In calendar year 1975, 7,228 subsamples were issued from the repository in response to 849 requests.

In Section I,a the current Index lists 387 pesticidal and related compounds. Eighty-eight compounds listed in the 1973 Index have been deleted because (1) there has been no demand; (2) they are either no longer produced, or (3) they have proved too difficult to obtain. On the other hand, 84 new compounds have been added to the stock.

In this edition, supplemental data has been expanded to include references to residue analytical methodology for each pesticidal compound listed if any could be located. References are given in code on the faceplate for each compound in Section I,a, with decoding information provided in Section IV. We neither recommend nor endorse the validity or integrity of the analytical data in the cited publications. They are provided only for supplemental information.

The editor wishes to extend a special word of appreciation and gratitude to those commercial producers of pesticidal compounds who provide analytical grade reference standard materials on a gratis basis. Without their help, it would be next to impossible to maintain the repository service. Contributing companies are shown in Section V.

Continuing with the policy instituted in the 1973 edition of this Index, supplemental data such as USE, CHEMICAL NAME, MOLECULAR WEIGHT, EMPIRICAL AND STRUCTURAL FORMULAE and TOXICITY are given for each compound whenever data were available. Unless otherwise stated, toxicity is expressed as the LD₅₀ based on oral feeding of male rats. The figure given is the number of milligrams of the compound required per kilogram of animal weight to produce mortality in 50% of test animals. Thus the lower the figure, the higher the toxicity. All users are strongly advised to exercise extreme care in the handling of any compound with an LD₅₀ of 50 or below. A number of these highly toxic compounds are also dermally toxic, and scrupulous care must be taken to avoid contact with the skin.

In Section I,a each compound is listed in capital letters by its common name, if one has been assigned. Also shown parenthetically is any other name by which the compound is widely known in the United States. In cases where no

common name has been assigned, a trade or proprietary name is used. For the convenience of the reader, Section VI contains a list of over 2,400 pesticide names along with assigned common names where an assignment has been made. If a common name has not been assigned, the most widely known trade name is used. The omission of any proprietary name does not imply endorsement of one product over another. (The subject of compound names is complex and subject to rapid change. For example, 28 compounds listed in 1973 under proprietary names have since been assigned common names and are so listed in this edition.)

Because of great demand from many sources and limited supplies, the amount of each standard issued is restricted to no more than 100 milligrams, and the number of standards to only those necessary for limited immediate needs. The short shelf life of many standards is one of the reasons for restricting field inventories, and requesters are asked to order only those compounds which will be needed for a six-month period.

Most of the high-purity analytical standard compounds are difficult to prepare and therefore in short supply. We suggest that not more than 20 mg of primary standard be weighed out and diluted to 100 ml with an appropriate solvent. This yields a concentration of 200 μg per ml and should provide a sufficiently high concentration for just about any gas-liquid or thin layer chromatographic method. In fact, a solution of this concentration should require one or more serial dilutions to provide an appropriate concentration for most electron-capture GLC work. Researchers requiring larger quantities, such as for animal feeding studies, should contact the manufacturer or purchase from a commercial supplier. We cannot supply large quantities.

Occasionally we hear that bottles of standards are received empty. There is a remote possibility that this may be the case, but generally the bottle only appears to be empty from the outside. Some of the colorless, highly viscous liquids may coat the interior of the bottle or collect inside the bottle cap. When a bottle is received that appears empty, the cap should be carefully removed and the interior of the bottle and cap examined.

In preparing requests for standards, each compound needed should be listed by code number and common name to assist repository personnel in processing requests. An Advice of Receipt card and a sample request form are enclosed with each shipment. It is important that the card be mailed back immediately. This provides our only verification that each shipment has reached its destination. When these mail-back cards do not return within a month, a tracer is mailed to the requester. No covering letter is required with the order form, but a full address must be given along with requester's name.

A final note is directed to all scientists associated with university laboratories. Requests for standards must be made on stationery bearing the letterhead of the institution and must be signed by a university official such as a department head. Pesticides will not be mailed to individuals submitting requests on personal stationery.

All requests for standards should be directed to:

Quality Assurance Section
Analytical Chemistry Branch, ETD, EPA
Health Effects Research Laboratory
Research Triangle Park, N.C. 27711, MD-69

(Please use the
entire address)

Section I,a

LIST OF AVAILABLE STANDARDS

As this edition goes to press, each compound listed in the following pages is commercially available and can be supplied in the 100 mg portions specified in the PREFACE. However, during the two-year life of this edition it is more than likely that the production of certain compounds will be discontinued and reference standard materials will no longer be available. Those who request such compounds will be notified of this on the bottom line of the mail-back acknowledgment card which accompanies each shipment.

For the reader's convenience all compounds are listed alphabetically with code numbers on the next three pages so that the entire stock may be scanned quickly. In ensuing pages each compound is listed and data such as chemical name, formulae, toxicity, etc. are given.

Wherever the symbol = is used at the end of a line in the typing of the chemical name, it means that the word in the first portion of the next line is a part of the word at the end of the line above. An ordinary hyphen at the end of a line indicates that the hyphen is a normal part of the chemical name.

ALPHABETICAL LISTING AND CODE NUMBERS OF COMPOUNDS

COMMON NAME	CODE NUMBER	COMMON NAME	CODE NUMBER
ACEPHATE	0025	CHLORPROPHAM	1420
ACROLEIN	0027	CHLORPYRIFOS	2900
ALACHLOR	4160	CHLORTHIOPHOS	1491
ALDICARB	0060	CLONITRALID	0460
ALDRIN	0080	COUMAFURYL	3720
ALLETHRIN	0100	COUMAPHOS	1540
AMETRYN	0120	CROTOXYPHOS	1500
AMINOCARB	0180	CRUFOMATE	6020
AMITROLE	0200	CRYOLITE	1546
AMOBAM	0220	CYANAZINE	1552
ANCYMIDOL	0230	CYCLOATE	1591
ANILAZINE	2920	CYCLOHEXIMIDE	1600
ANTHRAQUINONE	0250	CYPRAZINE	1615
ANTU	0260	CYTHIOATE	1621
ASPON	0300		
ASULAM	0310	DALAPON	1660
ATRATON	0320	DCPA	1720
ATRAZINE	0420	DDA-p,p'	1740
AZINPHOS ETHYL	3840	DDD, MIXED	1750
AZINPHOS METHYL	3820	DDD, m,p'	1820
AZOBENZENE	0340	DDD, o,p'	1760
		DDD, p,p'	1780
BARBAN	0400	DDD-p,p', olefin	1800
BENEFIN	0480	DDE, o,p'	1840
BENOMYL	0500	DDE, p,p'	1860
BENSULIDE	0520	DDT, MIXED	1880
BENTAZON	0425	DDT, o,p'	1900
BENTHIOCARB	0570	DDT, p,p'	1920
BENTRANIL	0574	DEF	1940
BENZADOX	0577	DEMETON-O	1981
BENZOYLPROP ETHYL	0578	DEMETON-S	1982
BENZYL BENZOATE	0580	DESMEDIPHAM	2006
BHC, MIXED	0600	DIALIFOR	2035
BHC, α	0620	DIALLATE	2040
BHC, β	0640	DIAPHENE	2060
BHC, γ	0680	DIAZINON	2080
BHC, δ	0660	DIBROMOCHLOROPROPANE	2090
BIFENOX	0733	DIBUTYL PHTHALATE	2120
BIPHENYL	0740	DICAMBA	2140
BROMACIL	0800	DICHLORBENIL	2200
BROMOPHOS	0840	DICHLOFENTHION	2220
BROMOPHOS ETHYL	0860	DICHLONE	2180
BROMOXYNIL	0820	DICHLORAN	2260
BUNEMA	0916	DICHLOROBENZENE, o	2280
BUTACHLOR	0922	DICHLOROBENZENE, p	2300
BUTRALIN	0933	DICHLOROPROPENE	2306
BUTYLATE	0940	DICHLOROPROP	2309
		DICHLORVOS	2320
CACODYLIC ACID	0961	DICOFOL	2340
CALCIUM ARSENATE	0980	DICROTAPHOS	0700
CAPTAFOL	1000	DIELDRIN	2380
CAPTAN	1020	DIETHYL PHOSPHATE	2386
CARBARYL	1060	DIFENZOQUAT	2395
CARBENDAZIM	1071	DIFLUBENZURON	2406
CARBETAMIDE	1074	DIMETHIRIMOL	2416
CARBOFURAN	1040	DIMETHOATE	2420
CARBOPHENOTHION	1080	DIMETHYL PHOSPHATE	2458
CARBOXIN	1100	DIMETHYL PHTHALATE	2460
CDAA	1140	DINITRAMINE	2551
CDEC	1160	DINOCAP	2560
CHLORAMBEN	0140	DINOSEB	2760
CHLORANIL	1180	DINOSEB ACETATE	2566
CHLORBENSIDE	1340	DIOXATHION	2580
CHLORDANE, TECH.	1200	DIPHACINONE	2600
CHLORDANE, α	1220	DIPHENAMID	2620
CHLORDANE, γ	1240	DIPHENYL MERCURY	2640
CHLORDECONE	1280	DIQUAT DIBROMIDE	2660
CHLORDENE	1260	DISULFOTON	2720
CHLORDENE, α	1261	DITHIANON	2721
CHLORDENE, β	1262	DIURON	2740
CHLORDENE, γ	1263	DNOC	2770
CHLORDIMEFORM	1480	DODINE	2780
CHLORFENVINPHOS	1300	DRAZOXOLON	2792
CHLORMEPHOS	1316	DSMA	2860
CHLOROBENZILATE	1360	2,4-D, ACID	2940
CHLORONEB	1380	2,4-D, BOEE	2960
CHLOROPHACINONE	1425	2,4-D, BE	2980
CHLOROTHALONIL	1640	2,4-D, DEA SALT	2985

COMMON NAME	CODE NUMBER	COMMON NAME	CODE NUMBER
2,4-D, DMA SALT	2990	MEOBAL	4460
2,4-D, IBE	3000	MEPHOSFOLAN	1630
2,4-D, IOE	3020	METALKAMATE	0960
2,4-D, IPE	3040	METHAM	6220
2,4-D, PGBEE	3060	METHAMIDOPHOS	4750
2,4-DB, ACID	3080	METHANEARSONIC ACID	4490
2,4-DB, BE	3100	METHAZOLE	4496
2,4-DB, IBE	3120	METHIDATHION	6340
2,4-DB, IOE	3140	METHIOCARB	4500
ENDOSULFAN	3180	METHOMYL	4520
ENDOSULFAN I	3200	METHOPRENE	4531
ENDOSULFAN II	3220	METHOXYCHLOR	4540
ENDOTHALL, ACID	3240	METHYLMERCURIC CHLORIDE	4560
ENDRIN	3260	METHYLMERCURIC IODIDE	4572
EPN	3280	METOXURON	4631
EPTC	3300	MEVINPHOS	4640
ERBON	3320	MEXACARBATE	7080
ETHEPHON	3330	MH	4280
ETHIOLATE	3335	MIREX	4720
ETHION	3340	MOLINATE	4740
ETHIRIMOL	3359	MONALIDE	4747
ETHOPROP	5880	MONOCROTOPHOS	0360
ETHYL HEXANEDIOL	3380	MONOLINURON	4751
ETHYL MERCURIC CHLORIDE	3400	MONURON	4760
EXO	3420	MONURON-TCA	4780
FAMPHUR	3440	MORPHOTHION	4803
FENAC	3460	MSMA	4820
FENAMINOSULF	2020	NABAM	4840
FENITROTHION	3480	NALED	4860
FENSULFOTHION	3500	NAPHTHALENE ACETAMIDE	4880
FENTHION	3520	NAPHTHALENE ACETIC ACID	4900
FENTIN ACETATE	3527	1-NAPHTHOL	4925
FENTIN HYDROXIDE	3540	NAPROPAMIDE	2010
FERBAM	3600	NAPTALAM, SODIUM SALT	4920
FLUCHLORALIN	0407	NEBURON	4940
FLUOMETURON	3620	NITRALIN	5020
FLUORIDAMID	3623	NITRAPYRIN	5031
FLURECOL-n-BUTYLESTER	3630	NITROFEN	5040
FOLEX	3640	4-NITROPHENOL	5060
FOLPET	3660	NONACHLOR-T	5080
FONOFOS	2910	NORFLURAZON	5136
FORMETANATE HYDROCHLORIDE	3680	ORYZALIN	5148
FORMOTHION	3722	OXADIAZON	5176
GIBBERELIC ACID	3790	OXAMYL	5186
GLYPHOSATE	3801	OXAMYL OXIME	5187
HEPTACHLOR	3860	OXYCHLORDANE	5200
HEPTACHLOR EPOXIDE	3880	OXYDEMETON METHYL	5220
HEXACHLOROBENZENE	3920	OXYTHIOQUINOX	4800
HEXACHLOROPHENE	3940	PARAQUAT DICHLORIDE	5240
1-HYDROXYCHLORDENE	3960	PARATHION ETHYL	5245
IBP	4011	PARATHION METHYL	4580
IOXYNIL	4040	PARINOL	5251
ISOPROPALIN	4070	PCNB	5280
KARBUTILATE	6420	PCP	5260
LAMPRECIDE	4166	PEBULATE	5300
LEAD ARSENATE	4180	PERFLUIDONE	5366
LENACIL	4185	PERTHANE	5380
LEPTOPHOS	4190	PHENCAPTON	5400
LETHANE 384	4220	PHENMEDIPHAM	5410
LINURON	4240	PHENOTHIAZINE	5420
MALATHION	4260	PHENYLMERCURIC	
MANEB	4300	ACETATE (PMA)	5680
MCPA	4340	PHENYLMERCURIC	
MCPA, IOE	4360	BORATE	5460
MCPB	4380	PHENYLMERCURIC	
MCPD	4400	CHLORIDE	5480
MCPD, IOE	4420	PHENYLMERCURIC	
MECARBAM	4441	HYDROXIDE	5485
MENAZON	4453	PHENYLMERCURIC	
		IODIDE	5487
		PHENYLPHENOL	5490
		PHORATE	5500
		PHOSALONE	5520
		PHOSFOLAN	1610
		PHOSMET	4000

COMMON NAME	CODE NUMBER	COMMON NAME	CODE NUMBER
PHOSPHAMIDON	5580	TEPP	6540
PICLORAM	5600	TERBACIL	6560
PIPERALIN	5640	TERBUTRYN	3980
PIPERONYL BUTOXIDE	5620	TERRAZOLE	6590
PIRIMICARB	5632	TETRADIFON	6600
PIRIMIPHOS ETHYL	5642	TETRASUL	6630
PIRIMIPHOS METHYL	5643	THANITE	6640
POLYCHLORINATED BIPHENYLS (PCB's)		THIABENDAZOLE	6660
AROCLOR 1016	5700	THIOFANOX	6663
AROCLOR 1221	5701	THIOMETON	6665
AROCLOR 1232	5702	THIOPHANATE	6670
AROCLOR 1242	5703	THIOPHANATE METHYL	6671
AROCLOR 1248	5704	THIRAM	6680
AROCLOR 1254	5705	TOXAPHENE	6740
AROCLOR 1260	5706	TRIALATE	6770
AROCLOR 1262	5707	TRIAZOPHOS	6777
POLYCHLORINATED NAPHTHALENES (PCN's)		TRICHLORFON	6780
HALOWAX 1000	5720	2,4,5-TRICHLOROPHENOL	6890
HALOWAX 1001	5721	TRIDEMORPH	6792
HALOWAX 1013	5722	TRIFLURALIN	6800
HALOWAX 1014	5723	TRIFORINE	6822
HALOWAX 1051	5724	2,4,5-T, ACID	6840
HALOWAX 1099	5725	2,4,5-T, BOEE	6860
POTASSIUM AZIDE	5728	2,4,5-T, BE	6870
POTASSIUM DIETHYL DITHIOPHOSPHATE	5731	2,4,5-T, IOE	6880
POTASSIUM DIETHYL THIOPHOSPHATE	5732	2,4,5-T, PGBEE	6885
POTASSIUM DIMETHYL DITHIOPHOSPHATE	5733	2,4,5-T, TEA SALT	6895
POTASSIUM DIMETHYL THIOPHOSPHATE	5734	4-(2,4,5-TB)	6900
PROMECARB	5752	2,3,6-TBA	6920
PROMETON	5760	VENDEX	7013
PROMETRYN	5780	VERNOLATE	7020
PRONAMIDE	4090	WARFARIN	7060
PROPACHLOR	5820	ZINEB	7120
PROPANIL	5840	ZIRAM	7100
PROPAGITE	5160		
PROPAZINE	5800		
PROPHAM	5860		
PROPOXUR	0440		
PROTECT	5882		
PYRACARBOLID	5905		
PYRAZON	5925		
PYRAZOPHOS	5932		
PYRETHRINS	5940		
QUINALPHOS	5966		
RESMETHRIN	6055		
RONNEL	5980		
ROTENONE	6000		
SALITHION	6050		
SIDURON	6100		
SILVEX, ACID	6120		
SILVEX, IOE	6130		
SILVEX, PGBEE	6140		
SIMAZINE	6160		
SODIUM AZIDE	6172		
SODIUM PENTA- CHLOROPHENATE	2820		
SODIUM PHENYLPHENATE	2800		
STIROFOS	3740		
STREPTOMYCIN SULFATE	6222		
STROBANE	6240		
SULFOXIDE	6300		
SURECIDE	6360		
TECNAZENE	6435		
TEMEPHOS	0020		

Code	Common Name	Emp. Form.	Chemical Name	Structure
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0025 ACEPHATE (Orthene) $C_4H_{10}NO_3PS$ O, S-Dimethyl acetylphosphoramidothioate

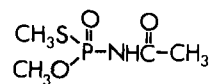
Mol. Wt. 183

Use Insectic.

LD₅₀ 945

	A	B	C	D	E	F
1	AL	74	57/1	189	3	a
2	2I				9	a
3						
4						
5						
6						

Ref.



0027 ACROLEIN (Aqualin) C_3H_4O 2-Propenal

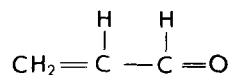
Mol. Wt. 56.06

Use Herbic.

LD₅₀ 46

	A	B	C	D	E	F
1	7U				12	t
2						
3						
4						
5						
6						

Ref.



4160 ALACHLOR (Lasso) $C_{14}H_{20}ClNO_2$ 2-Chloro-2',6'-diethyl-N-(methoxymethyl) acetanilide

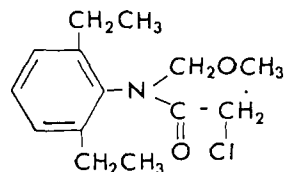
Mol. Wt. 270

Use Herbic.

LD₅₀ 3,000

	A	B	C	D	E	F
1	C		II		3	cgh
2	AJ	75	23/1	77	3,8	x
3	BH	71	11/4	257	19	x
4	KA	73	50/5	333	15, 11	x
5						
6						

Ref.



0060 ALDICARB (Temik) $C_7H_{14}N_2O_2S$ 2-Methyl-2-(methylthio)propionaldehyde-O-(methylcarbomoyl)oxime

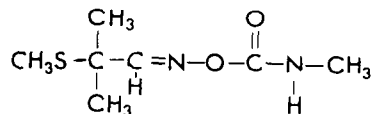
Mol. Wt. 190

Use Insectic.

LD₅₀ 0.93

	A	B	C	D	E	F
1	C		II		4, 12	g
2	AL	67	50	1242	12	e
3	AJ	69	17/1	70	6	af
4	AJ	68	16	549	10	aef
5	AL	70	53	1296	4	def
6						

Ref.



0080 ALDRIN $C_{12}H_8Cl_6$ 1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo-exo-5,8-dimethanonaphthalene

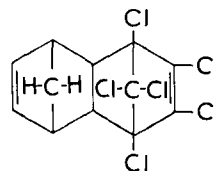
Mol. Wt. 365

Use Insectic.

LD₅₀ 55

	A	B	C	D	E	F
1	C		I		2, 6	a
2	A		5		2	jl
3	A		8B		2	v
4	A		10A		2	t
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
------	-------------	------------	---------------	-----------

0100 ALLETHRIN

$C_{19}H_{26}O_3$ 2-Allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one ester of 2,2-dimethyl-3-(2-methylpropenyl)-cyclopropanecarboxylic acid

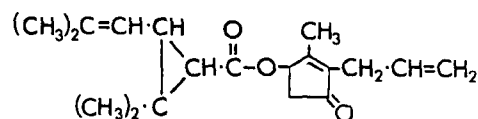
Mol. Wt. 302

Use Insectic.

LD₅₀ 680

	A	B	C	D	E	F
1	AJ	58	6	643	21	j,o
2						
3						
4						
5						
6						

Ref.



0120 AMETRYN (Evik)

$C_9H_{17}N_5S$ 2-(Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine

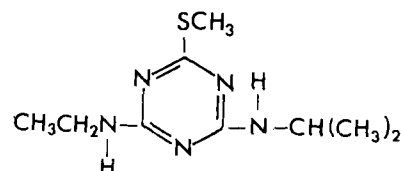
Mol. Wt. 227

Use Herbic.

LD₅₀ 1,110

	A	B	C	D	E	F
1	C		II		6	efid
2	WD	73	80	137	11	u
3						
4						
5						
6						

Ref.



0180 AMINOCARB (Matacil)

$C_{11}H_{16}N_2O_2$ 4-Dimethylamino-m-tolyl methylcarbamate

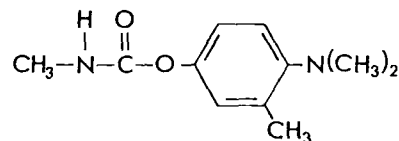
Mol. Wt. 208

Use Insectic.

LD₅₀ 30

	A	B	C	D	E	F
1	AJ	69	17/1	56	2	ade
2	ZD	70	50/1	92	14	o
3	AJ	72	20/2	443	2,3	x
4	WD	69	45/(3.4)	362	3	x
5	WD	70	50/1	92	11	x
6	AL	72	55/6	1259	11	x

Ref.



0200 AMITROLE (Cytrol)

$C_2H_4N_4$ 3-Amino-1,2,4-triazole

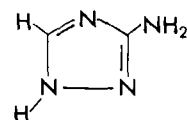
Mol. Wt. 84

Use Herbic.

LD₅₀ 24,600

	A	B	C	D	E	F
1	AL	61	44	196	12	d,e
2	AL	62	45	382	12	e
3	ZJ	70	18	439	12	t
4						
5						
6						

Ref.



0220 AMOBAM (Chemo-O-Bam)

$C_4H_{14}N_4S_4$ Diammonium ethylene-bisdithiocarbamate

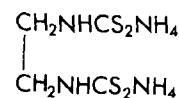
Mol. Wt. 246

Use Fungic.

LD₅₀ 450

	A	B	C	D	E	F
1	AJ	74	22/5	886	10	a
2	BA	68	93/11.05	219	15	a,d
3	AL	69	52/6	1226	10	def
4	AL	67	50/5	1102	18	a
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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0230 ANCYMIDOL (A-Rest) $C_{15}H_{16}N_2O_2$ α -Cyclopropyl- α -(p-methoxyphenyl)-5-pyrimidinemethanol

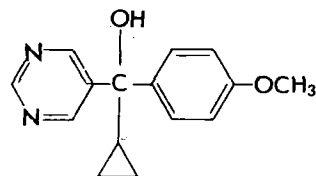
Mol. Wt. 256

Use Grth. Inhibit.

LD₅₀ 4,500

	A	B	C	D	E	F
1	AL	75	58/4	850	3	w
2	3E				3	u
3						
4						
5						
6						

Ref.



2920 ANILAZINE (Dyrene) $C_9H_5Cl_3N_4$ 2,4-Dichloro-6-(o-chloroanilino)-s-triazine

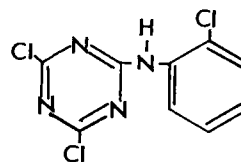
Mol. Wt. 275.5

Use Fungic.

LD₅₀ 2,710

	A	B	C	D	E	F
1	C		II		12	ef
2						
3						
4						
5						
6						

Ref.



0250 ANTHRAQUINONE (Corbit) $C_{14}H_8O_2$ 9,10-Anthraquinone

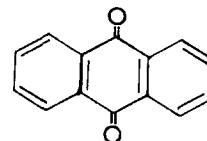
Mol. Wt. 208

Use Bird Repellant

LD₅₀ 5000+

	A	B	C	D	E	F
1	AT	72	17/6	710	11	x
2	JA	66	30/9	935	11	x
3						
4						
5						
6						

Ref.



0260 ANTU $C_{11}H_{10}N_2S$ 1(1-Naphthyl)-2-thiourea

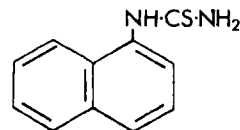
Mol. Wt. 202

Use Rodentic.

LD₅₀ 7

	A	B	C	D	E	F
1	WD	67	5/11	552	2	x
2	GG	50	89	115	12	x
3						
4						
5						
6						

Ref.



0300 ASPON $C_{12}H_{28}O_5P_2S_2$ 0,0,0,0-Tetrapropyl dithiopyrophosphate

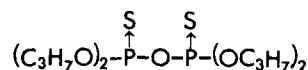
Mol. Wt. 378

Use Insectic.

LD₅₀ 891

	A	B	C	D	E	F
1	AL	70	53/3	499	4	x
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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0310 ASULAM (Asulox)

$C_8H_{10}N_2O_4S$ Methyl (4-amino benzene-sulfonyl)carbamate

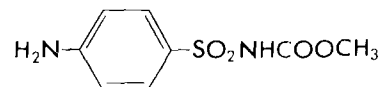
Mol. Wt. 230

Use Herbic.

LD₅₀ 5,000+

	A	B	C	D	E	F
1	AC	73	7	497	12	i
2	7I				3,4	u
3						
4						
5						
6						

Ref.



0320 ATRATON (Gesatamin)

$C_9H_{17}N_5O$ 2-(Ethylamino)-4-(isopropylamino)-6-methoxy-s-triazine

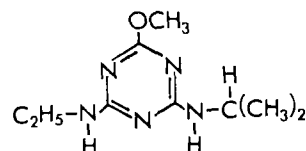
Mol. Wt. 211

Use Herbic.

LD₅₀ 1,465

	A	B	C	D	E	F
1	BH	64	4	64	--	--
2	ZD	70	32	371	6	u
3						
4						
5						
6						

Ref.



0420 ATRAZINE (Aatrex)

$C_8H_{14}ClN_5$ 2-Chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine

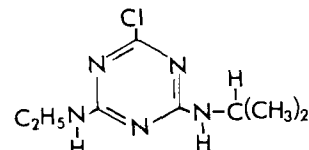
Mol. Wt. 216

Use Herbic.

LD₅₀ 3,080

	A	B	C	D	E	F
1	C		II		12	bcei
2	AL	68	51	682	3	ctu
3	RC	70	35	64	11	a,j
4	AJ	73	21	93	1,2	ctu
5	AJ	74	22	137	2	f
6						

Ref.



3840 AZINPHOS ETHYL (Ethyl Guthion)

$C_{12}H_{16}N_3O_3PS_2$ 0,0-Diethyl S-[4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl] phosphorodithioate

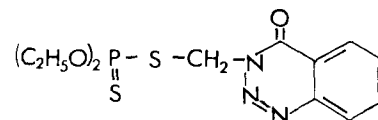
Mol. Wt. 345

Use Insectic.

LD₅₀ 7-17

	A	B	C	D	E	F
1	AL	74	57/5	1033	4	t
2	ZD	69	26	17	10	t
3	WD	69	43/3	388	10	t
4	AD	70	5/1	42	10	o
5	AJ	68	16/5	808	11	x
6	WD	71	59/1	135	11	x

Ref.



3820 AZINPHOS METHYL (Guthion)

$C_{10}H_{12}N_3O_3PS_2$ 0,0-Dimethyl S-[4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl] phosphorodithioate

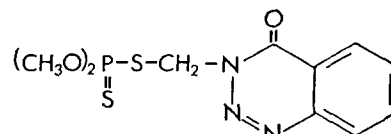
Mol. Wt. 317

Use Insectic.

LD₅₀ 16

	A	B	C	D	E	F
1	C		II		12,14	deg
2	AD	74	11/3	224	4	u
3	AL	74	57/5	1033	4	t
4	WD	69	43/3	388	10	t
5	AL	67	50/6	1288	4	a,o
6	AD	74	11/6	532	4	t

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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0340 AZOBENZENE

$C_{12}H_{10}N_2$ Diphenyl diimide

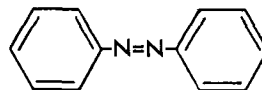
Mol. Wt. 182

Use Acaric.

LD₅₀ 1,000

	A	B	C	D	E	F
1	AV	73	01721	-	10,11	j
2						
3						
4						
5						
6						

Ref.



0400 BARBAN (Carbyne)

$C_{11}H_9Cl_2NO_2$ 4-Chloro-2-Butynyl-m-chloro-carbanilate

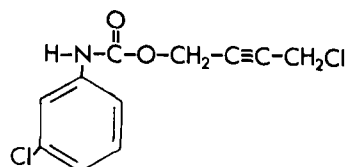
Mol. Wt. 258

Use Herbic.

LD₅₀ 1,350

	A	B	C	D	E	F
1	C		II		12	a
2	WD	71	57	303	11	t,u
3	BA	72	97/1153	294	2	a,c
4						
5						
6						

Ref.



0480 BENEFIN (Balan)

$C_{13}H_{16}F_3N_3O_4$ N-Butyl-N-ethyl-α,α,α-trifluoro-2,6-dinitro-p-toluidine

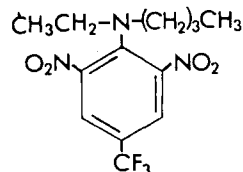
Mol. Wt. 335

Use Herbic.

LD₅₀ 10,000+

	A	B	C	D	E	F
1	C		II		2	bdf
2	AJ	73	21		2	a
3	AJ	74	22/1	82	2	a
4	AN	72	10/3	176	2	u
5	AL	73	56/2	457	3	x
6	WD	71	63/2	364	1,2	x

Ref.



0500 BENOMYL (Benlate)

$C_{14}H_{18}N_4O_3$ Methyl 1-(butylcarbamoyl)-2-benzimidazolecarbamate

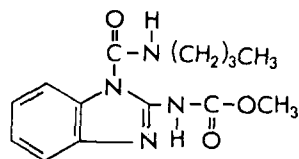
Mol. Wt. 290

Use Fungic.

LD₅₀ 10,000+

	A	B	C	D	E	F
1	AJ	69	17/2	267	12,14	a,j
2	AL	71	54/6	1399	12,14	e,h
3	AJ	72	20	1230	12	e
4	WD	74	101	33	11,14	e
5	AJ	73	21/3	368	16	a,u
6	AJ	73	21/2	171	16	j,m,n

Ref.



0520 BENSULIDE (Prefar)

$C_{14}H_{24}NO_4PS_3$ S-(0,0-Diisopropyl phosphorodithioate) ester of N-(2-mercaptoethyl) benzenesulfonamide

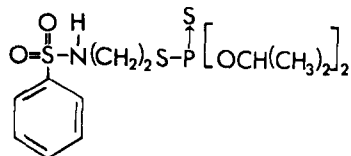
Mol. Wt. 397.5

Use Herbic.

LD₅₀ 770

	A	B	C	D	E	F
1	C		II		3,4	afg
2	AC	67	5	483	12	-
3					20	
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
------	-------------	------------	---------------	-----------

0570 BENTHIOCARB (Bolero) $C_{12}H_{16}ClNOS$ S-(4-Chlorobenzyl)N,N-diethylthiocarbamate

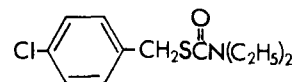
Mol. Wt. 258

Use Herbic.

LD₅₀ 1,903

	A	B	C	D	E	F
1	JA	71	35/8	1161	4	u
2	AW	74	1586	-	4	c,u
3	2I				2,4	actu
4						
5						
6						

Ref.



0574 BENTRANIL $C_{14}H_9NO_2$ 2-Phenyl-3,1-benzoxazinone-(4)

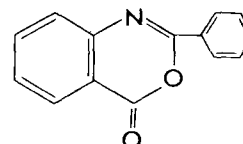
Mol. Wt. 223

Use Herbic.

LD₅₀ ca. 1,600

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



0577 BENZADOX (Topcide) $C_9H_9NO_4$ (Benzamidooxy)acetic acid

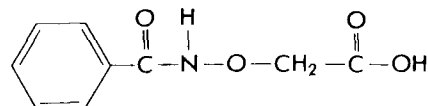
Mol. Wt. 195

Use Herbic.

LD₅₀ 5,600

	A	B	C	D	E	F
1	C		II		3	af
2	3Z				3,11	f
3						
4						
5						
6						

Ref.



0578 BENZOYLPROP ETHYL (Suffix) $C_{18}H_{17}Cl_2NO_3$ Ethyl N-benzoyl-N-(3,4-dichlorophenyl)-2-aminopropionate

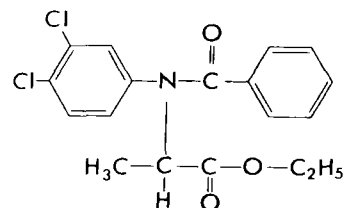
Mol. Wt. 366

Use Herbic.

LD₅₀ 1,555

	A	B	C	D	E	F
1	7U				2	c,u
2						
3						
4						
5						
6						

Ref.



0580 BENZYL BENZOATE $C_{14}H_{12}O_2$ Benzyl benzoate

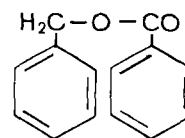
Mol. Wt. 212

Use Scabicide

LD₅₀ 1,700

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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0600	BHC, MIXED ISOMERS	$C_6H_6Cl_6$	Several isomers of 1,2,3,4,5,6-hexachlorocyclohexane
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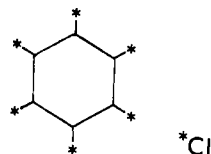
Mol. Wt. 291

Use Insectic.

LD₅₀ 200

	A	B	C	D	E	F
1	C		II		2,12	de
2	B		24,100-		12	de
3	A		5A, 8B, 10A, 11		2	j1 tuv
4						
5	AL	68	51	45	2	j
6	WD	67	27	250	2	u

Ref.



0620	BHC, ALPHA ISOMER	$C_6H_6Cl_6$	Alpha isomer of hexachlorocyclohexane
------	-------------------	--------------	---------------------------------------

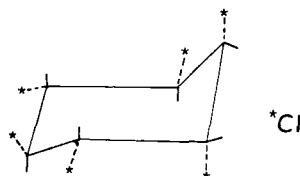
Mol. Wt. 291

Use Compon. of
tech. BHC

LD₅₀ 500

	A	B	C	D	E	F
1						
2			See 0600			
3						
4						
5						
6						

Ref.



0640	BHC, BETA ISOMER	$C_6H_6Cl_6$	Beta isomer of hexachlorocyclohexane
------	------------------	--------------	--------------------------------------

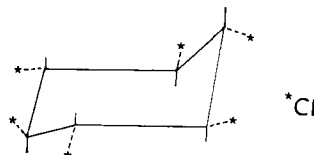
Mol. Wt. 291

Use Compon. of
tech. BHC

LD₅₀ 6,000

	A	B	C	D	E	F
1						
2			See 0600			
3						
4						
5						
6						

Ref.



0680	BHC, GAMMA ISOMER (Lindane)	$C_6H_6Cl_6$	Gamma isomer of hexachlorocyclohexane
------	-----------------------------	--------------	---------------------------------------

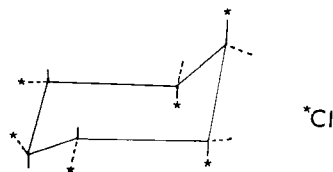
Mol. Wt. 291

Use Insectic.

LD₅₀ 125

	A	B	C	D	E	F
1						
2			See 0600			
3						
4						
5						
6						

Ref.



0660	BHC, DELTA ISOMER	$C_6H_6Cl_6$	Delta isomer of hexachlorocyclohexane
------	-------------------	--------------	---------------------------------------

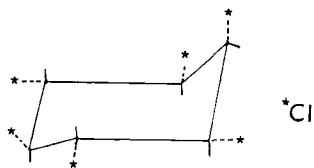
Mol. Wt. 291

Use Compon. of
tech. BHC

LD₅₀ 1,000

	A	B	C	D	E	F
1						
2			See 0600			
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
------	-------------	------------	---------------	-----------

0733 BIFENOX (Modown)

$C_{14}H_9Cl_2NO_5$ Methyl 5-(2,4-dichloro-
phenoxy)-2-nitrobenzoate

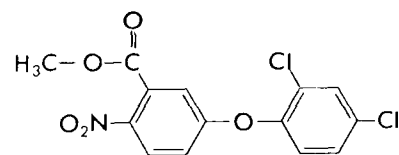
Mol. Wt. 342

Use Herbic.

LD₅₀ 6,400+

	A	B	C	D	E	F
1	SM				6	c, g
2						
3						
4						
5						
6						

Ref.



0740 BIPHENYL (Diphenyl)

$C_{12}H_{10}$ Biphenyl

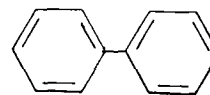
Mol. Wt. 154

Use Fungic.

LD₅₀ 3,280

	A	B	C	D	E	F
1	AL	57	40	249	12	e
2	AL	67	50	934	11, 2	x
3	C		II		12	e
4						
5						
6						

Ref.



0800 BROMACIL (Hyvar)

$C_9H_{13}BrN_2O_2$ 5-Bromo-3-sec-butyl-6-methyluracil

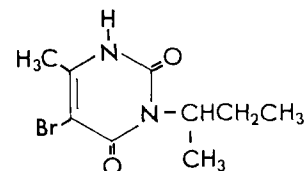
Mol. Wt. 261

Use Herbic.

LD₅₀ 5,200

	A	B	C	D	E	F
1	AJ	66	14	94	6	a
2	AJ	67	15	174	2	a, u
3	AJ	68	16	54	5	a, u
4	WD	70	46	110	2	a, u
5	AC	67	5	335	20	---
6						

Ref.



0840 BROMOPHOS (Brofene)

$C_8H_8BrCl_2O_3PS$ O-(4-Bromo-2,5-dichlorophenyl)
O,O-dimethyl phosphorothioate

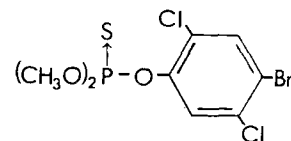
Mol. Wt. 366

Use Insectic.

LD₅₀ 3,750-6,100

	A	B	C	D	E	F
1	AJ	66	14	609	12	m, u
2	ZD	72	41	65	11, 2	d, j, u
3					17	u
4						
5						
6						

Ref.



0860 BROMOPHOS ETHYL (Nexagan)

$C_{10}H_{12}BrCl_2O_3PS$ O-(4-Bromo-2,5-dichlorophenyl)
O,O-diethyl phosphorothioate

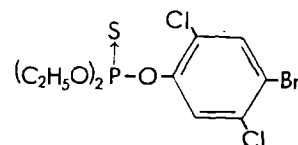
Mol. Wt. 394

Use Insectic. &
Acaric.

LD₅₀ 52-170

	A	B	C	D	E	F
1	ZD	72	41	65	11, 2	d, j, u
2					17	
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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0820 BROMOXYNIL (Brominal) $C_7H_3Br_2NO$ 3,5-Dibromo-4-hydroxybenzonitrile

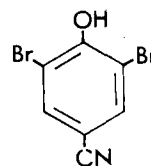
Mol. Wt. 277

Use Herbic.

LD₅₀ 190

	A	B	C	D	E	F
1	WD	71	57		11	tu
2	AC	67	5	347	20	--
3						
4						
5						
6						

Ref.



0916 BUNEMA $C_3H_6NOS_2K$ Potassium N-hydroxymethyl-N-methyldithiocarbamate

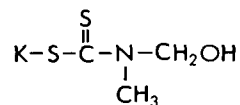
Mol. Wt. 175

Use Fungic., Bacteric.
Nematoc.

LD₅₀ 1,032

	A	B	C	D	E	F
1	AC	64	3	69	12	ade
2						h
3						
4						
5						
6						

Ref.



0922 BUTACHLOR (Machete) $C_{17}H_{26}ClNO_2$ 2-Chloro-2',6'-diethyl-N-(butoxymethyl)acetanilide

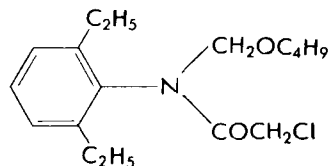
Mol. Wt. 312

Use Herbic.

LD₅₀ 3,300

	A	B	C	D	E	F
1	5Q				3	c
2						
3						
4						
5						
6						

Ref.



0933 BUTRALIN (Amex 820) $C_{14}H_{21}N_3O_4$ 4-(1,1-Dimethylethyl)-N-(1-methyl propyl)-2,6-dinitrobenzeneamine

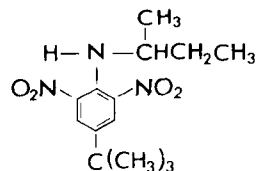
Mol. Wt. 295

Use Herbic.

LD₅₀ 1,000

	A	B	C	D	E	F
1	ZB	73	26	390	19	u
2						
3						
4						
5						
6						

Ref.



0940 BUTYLATE (Sutan) $C_{11}H_{23}NOS$ S-Ethyl N,N-diisobutylthiocarbamate

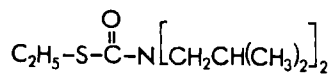
Mol. Wt. 217

Use Herbic.

LD₅₀ 4,659

	A	B	C	D	E	F
1	C		II		6,12	c
2	AJ	60	8	214	12	a
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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0961 CACODYLIC ACID $C_2H_7O_2As$ Dimethylarsinic acid

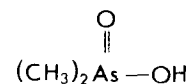
Mol. Wt. 138

Use Herbic.

LD₅₀ 1,000

	A	B	C	D	E	F
1	B	70	25.016-	399	12	de
2			.399			
3						
4						
5						
6						

Ref.



0980 CALCIUM ARSENATE $Ca_3(AsO_4)_2$ Calcium arsenate

Mol. Wt. 179

Use Insectic.

LD₅₀ 35-100

	A	B	C	D	E	F
1	B		25.006-			
2			.017			
3						
4						
5						
6						

Ref.

1000 CAPTAFOL (Difolatan) $C_{10}H_9Cl_4NO_2S$ *cis*-N-[(1,1,2,2-Tetrachloroethyl)thio]-4-cyclohexene-1,2-dicarboximide

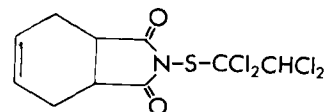
Mol. Wt. 349

Use Fungic.

LD₅₀ 4,600-6,700

	A	B	C	D	E	F
1	BA	72	97/1158	713	2	c
2	AL	70	53	154	2	a
3	AL	68	51	1058	2,11	x
4	AJ	67	15	1118	2	x
5	AC	67	5	293	20	---
6						

Ref.



1020 CAPTAN $C_9H_8Cl_3NO_2S$ N-[(Trichloromethyl)thio]-4-cyclohexene-1,2-dicarboximide

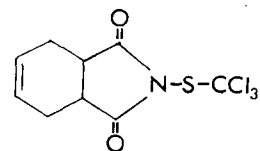
Mol. Wt. 301

Use Fungic.

LD₅₀ 9,000

	A	B	C	D	E	F
1	C		11		12	ajlo
2	B		24.111-		12	de
3	AL	70	53	154	2	a
4	AD	69	4	55	11	a
5	AJ	67	15	1035	2	x
6	AL	68	5/15	1058	2,11	x

Ref.



1060 CARBARYL (Sevin) $C_{12}H_{11}NO_2$ 1-Naphthyl N-methylcarbamate

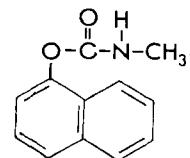
Mol. Wt. 201

Use Insectic.

LD₅₀ 560

	A	B	C	D	E	F
1	C		11		12	a
2	AL	65	48	676	12	a
3	AL	68	51	679	11	x
4	AJ	69	17	56	2	a
5	AL	74	57	570	3	a,d
6	AL	74	57	592	12	c,w

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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1071 CARBENDAZIM (Derosal) $C_9H_9N_3O_2$ 2-(Methoxycarbonylamino)-benzimidazol

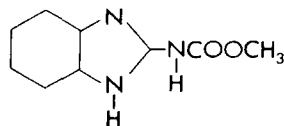
Mol. Wt. 191

Use Fungic.

LD₅₀ 15,000+

	A	B	C	D	E	F
1	BE	74	5/4	465	20	-
2						
3						
4						
5						
6						

Ref.



1074 CARBETAMIDE (Legurame) $C_{12}H_{16}O_3N_2$ N-Phenyl-1-(ethylcarbamoyl) ethylcarbamate, D isomer

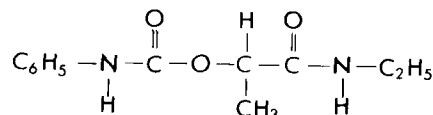
Mol. Wt. 236

Use Herbic.

LD₅₀ 11,000

	A	B	C	D	E	F
1	AC	73	7	509	12	ajou
2	7I				2	ac
3						
4						
5						
6						

Ref.



1040 CARBOFURAN (Furadan) $C_{12}H_{15}NO_3$ 2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate

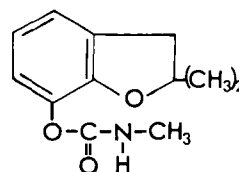
Mol. Wt. 221

Use Insectic.

LD₅₀ 8-14

	A	B	C	D	E	F
1	C		II		6,11	cfu
2	AJ	69	17	277	6	c
3	AJ	69	17	56	2	a
4	AL	71	54/6	1357	2	a,u
5	AL	67	50	926	4	x
6	AJ	68	16	403	2	x

Ref.



1080 CARBOPHENOTHION (Trithion) $C_{11}H_{16}ClO_2PS_3$ S-[(p-Chlorophenylthio)methyl] 0,0-diethyl phosphorodithioate

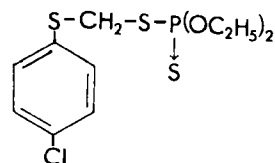
Mol. Wt. 343

Use Insectic. & Mitic.

LD₅₀ 10-30

	A	B	C	D	E	F
1	C		II		17	a
2	AL	67	50	430	2	a,e
3	AL	74	57	930	3,4	a,d
4	AL	74	57	1034	4	t
5						
6						

Ref.



1100 CARBOXIN (Vitavax) $C_{12}H_{13}NO_2S$ 5,6-Dihydro-2-methyl-1,4-oxathiin-3-carboxanilide

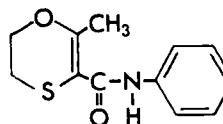
Mol. Wt. 235

Use Seed Protect. Fungic.

LD₅₀ 3,200-3,820

	A	B	C	D	E	F
1	AJ	70	18	409	12	a
2	AJ	71	19	738	6	c
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
------	-------------	------------	---------------	-----------

1140 CDAA (Randex) $C_8H_{12}ClNO$ N,N-Diallyl-2-chloroacetamide

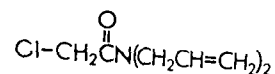
Mol. Wt. 174

Use Herbic.

LD₅₀ 700

	A	B	C	D	E	F
1	C		II		6	acd
2	5Q				6	acd
3						
4						
5						
6						

Ref.



1160 CDEC (Sulfallate) $C_8H_{14}ClNS_2$ 2-Chloroallyl diethyldithio-carbamate

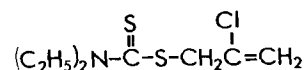
Mol. Wt. 224

Use Herbic.

LD₅₀ 850

	A	B	C	D	E	F
1	C		II		2,6	d
2	5Q				12	a, f
3						
4						
5						
6						

Ref.



0140 CHLORAMBEN (Amiben) $C_7H_5Cl_2NO_2$ 3-Amino-2,5-dichlorobenzoic acid

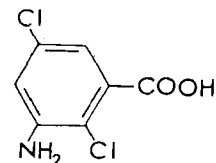
Mol. Wt. 206

Use Herbic.

LD₅₀ 3,500

	A	B	C	D	E	F
1	C		II		6, 11	d
2	AC	67	5	321	12, 20	---
3						
4						
5						
6						

Ref.



1180 CHLORANIL (Spargon) $C_6Cl_4O_2$ 2,3,5,6-Tetrachloro-1,4-benzoquinone

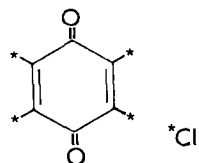
Mol. Wt. 246

Use Fungic.

LD₅₀ 4,000

	A	B	C	D	E	F
1	AN	70	8/3	166	2,3	x
2	AL	69	41/12	1662	12	c
3	AJ	58	6	667	12	c
4						
5						
6						

Ref.



1340 CHLORBENSIDE (Chlorparacide) $C_{13}H_{10}Cl_2S$ p-Chlorobenzyl-p-chlorophenyl sulfide

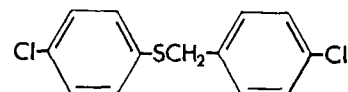
Mol. Wt. 269

Use Mitic.

LD₅₀ 10,000

	A	B	C	D	E	F
1	C		II		12	e
2	AL	69	52	162	12	a
3	WD	68	35/1	119	12	x
4	AL	66	49/2	407	2	e
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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1200	CHLORDANE (TECH.)	$C_{10}H_6Cl_8$	1,2,4,5,6,7,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene
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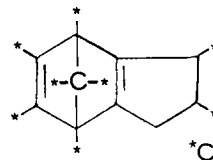
Mol. Wt. 410

Use Insectic.

LD₅₀ 457

	A	B	C	D	E	F
1	C		II		2,12	a
2	AK	67	59	752	2	t
3	AL	69	52	1220	2	b,c
4	AD	69	4	297	2	j
5	AD	72	7	33	2	x
6						

Ref.



1220	CHLORDANE, ALPHA (cis-chlordane)	$C_{10}H_6Cl_8$	1- <i>exo</i> ,2- <i>exo</i> ,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene
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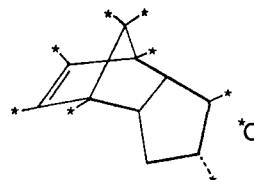
Mol. Wt. 410

Use Compon. of tech. chlordane

LD₅₀ ca. 500

	A	B	C	D	E	F
1			See 1200			
2						
3						
4						
5						
6						

Ref.



1240	CHLORDANE, GAMMA (trans-chlordane)	$C_{10}H_6Cl_8$	1- <i>exo</i> ,2- <i>endo</i> ,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene
------	---------------------------------------	-----------------	---

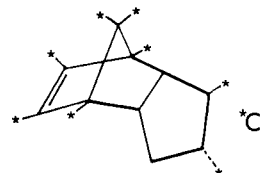
Mol. Wt. 410

Use Compon. of tech. chlordane

LD₅₀ ca. 500

	A	B	C	D	E	F
1			See 1200			
2						
3						
4						
5						
6						

Ref.



1280	CHLORDEONE (Kepone)	$*C_{10}Cl_{10}O$	Decachloro-octahydro-1,3,4-metheno-2H-cyclobuta[cd]pentalen-2-one
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Mol. Wt. *491

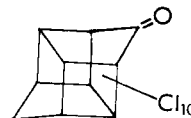
Use Insectic.

LD₅₀ 132

*Basis anhydrous state

	A	B	C	D	E	F
1	AJ	74	22/3	442	3	x
2	AD	72	7/4	207	5	x
3	AJ	70	18/1	159	1,2	a,e
4						
5						
6						

Ref.



1260	CHLORDENE	$C_{10}H_6Cl_6$	4,5,6,7,8,8-Hexachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene
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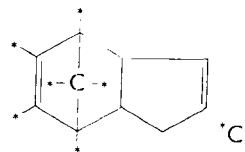
Mol. Wt. 339

Use Compon. of tech. chlordane

LD₅₀ 500+

	A	B	C	D	E	F
1			See 1200			
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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1261 CHLORDENE, ALPHA



1,2,3,5,7,8-Hexachloro-1,3a,4,5,6,6a-hexahydro-1,4-etheno-
pentalene

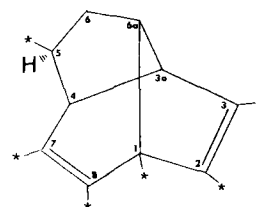
Mol. Wt. 339

Use Compon. of tech.
chlordane

LD₅₀ 10,200

	A	B	C	D	E	F
1						
2			See			
3			1200			
4						
5						
6						

Ref.



*Cl

1262 CHLORDENE, BETA



2,3,3a,4,5,7-Hexachloro-3a,6,7,7a-tetrahydro-1,6-methano-1H-indene

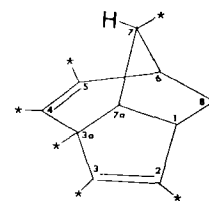
Mol. Wt. 339

Use Compon. of tech.
chlordane

LD₅₀ 6,800

	A	B	C	D	E	F
1						
2			See			
3			1200			
4						
5						
6						

Ref.



*Cl

1263 CHLORDENE, GAMMA



2,3,3a,4,5,8-Hexachloro-3a,6,7,7a-tetrahydro-1,6-methano-1H-indene

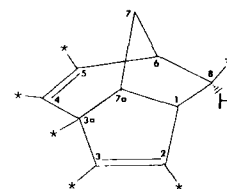
Mol. Wt. 339

Use Compon. of tech.
chlordane

LD₅₀ 4,600

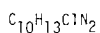
	A	B	C	D	E	F
1						
2			See			
3			1200			
4						
5						
6						

Ref.



*Cl

1480 CHLORDIMEFORM
(Chlorphenamidine)



N'-(4-Chloro-o-tolyl)-N,
N-dimethylformamidine

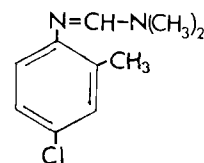
Mol. Wt. 196.5

Use Acaric.

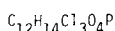
LD₅₀ 178

	A	B	C	D	E	F
1	C		II		2,11	e
2	AJ	71	19	360	10,2	e
3	AJ	72	20	565	12	e
4						
5						
6						

Ref.



1300 CHLORFENVINPHOS (Supona)



2-Chloro-1-(2,4-dichlorophenyl)
vinyl diethyl phosphate

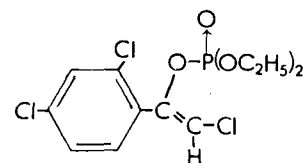
Mol. Wt. 359.5

Use Insectic.

LD₅₀ 12-30

	A	B	C	D	E	F
1	BC	66	17	162	10,7	x
2	AJ	73	21	822	4	3,0, p
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
------	-------------	------------	---------------	-----------

1316 CHLORMEPHOS (MC 2188) $C_5H_{12}ClPS_2$ S-Chloromethyl O,O-diethyl phosphorothiothionate

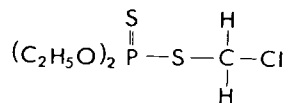
Mol. Wt. 203

Use Insectic.

LD₅₀ 7

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



1360 CHLOROBENZILATE (Acaraben) $C_{16}H_{14}Cl_2O_3$ Ethyl 4,4'-dichlorobenzilate

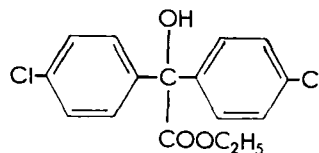
Mol. Wt. 325

Use Mitic.

LD₅₀ 700

	A	B	C	D	E	F
1	C		II		6,12	e,g
2	AJ	64	12	183	6	e,g
3	ZD	71	39	40	6	x
4						
5						
6						

Ref.



1380 CHLORONEB (Demosan) $C_8H_8Cl_2O_2$ 1,4-Dichloro-2,5-dimethoxybenzene

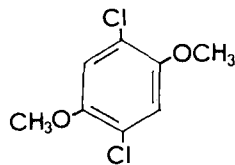
Mol. Wt. 207

Use Fungic.

LD₅₀ 11,000+

	A	B	C	D	E	F
1	C		II		6	a,jg
2	AJ	67	15	917	6	ajm
3	AJ	71	19	750	3	jmo
4						
5						
6						

Ref.



1425 CHLOROPHACINONE (Rozol) $C_{23}H_{15}ClO_3$ 2-[(p-Chlorophenyl)phenyl]-acetyl-1,3-indandione

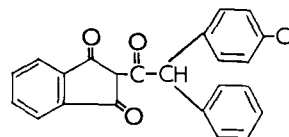
Mol. Wt. 375

Use Rodentic.

LD₅₀ 20.5

	A	B	C	D	E	F
1	AJ	75	23/1	72	2	a,j,x
2	2E				2	o
3						x
4						
5						
6						

Ref.



1640 CHLOROTHALONIL (Daconil 2787) $C_8Cl_4N_2$ 2,4,5,6-Tetrachloroisophthalonitrile

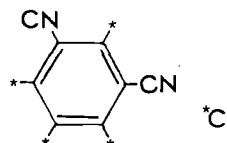
Mol. Wt. 266

Use Fungic.

LD₅₀ 10,000+

	A	B	C	D	E	F
1	C		II		2,6	f
2	GE	73	265/1	4	10	v
3	AD	70	5/6	565	14	x
4	GE	70	250/2	125	11	a,j
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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1420 CHLORPROPHAM (CIPC) $C_{10}H_{12}ClNO_2$ Isopropyl N-(3-chlorophenyl) carbamate

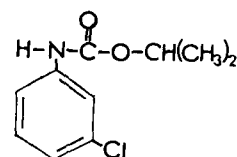
Mol. Wt. 214

Use Herbic.

LD₅₀ 5,000-7,500

	A	B	C	D	E	F
1	C		11		2,12	a
2	AJ	63	11	234	12	m,o
3	AJ	64	12	46	2	x
4	AJ	72	20	344	12	b
5						
6						

Ref.



2900 CHLORPYRIFOS (Dursban) $C_9H_{11}Cl_3NO_3PS$ 0,0-Diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate

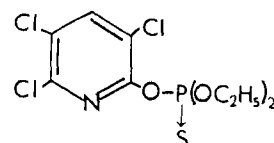
Mol. Wt. 351

Use Insectic.

LD₅₀ 135

	A	B	C	D	E	F
1	AJ	70	18	178	3,4	aj
2	AJ	67	15	651	4	ktu
3	AJ	68	16	867	2	b,c
4	AJ	69	17	1166	2	t,u
5	AL	68	51	1243	2	j
6						j,o

Ref.



1491 CHLORTHIOPHOS (CMS 2957) $C_{11}H_{15}O_3Cl_2PS$ 0,0-Diethyl 0-2,4,5-dichloro-(methylthio)phenyl thionophosphate

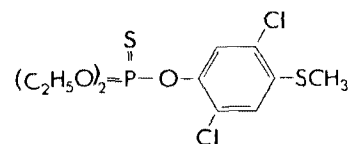
Mol. Wt. 329

Use Insectic. & Acaric.

LD₅₀ 8-13

	A	B	C	D	E	F
1	AX	71	4	271	10,12	x
2						
3						
4						
5						
6						

Ref.



0460 CLONITRALID (Bayluscide) $C_{15}H_{15}Cl_2N_3O_5$ 2',5-Dichloro-4'-nitro-salicylanilide ethanolamine

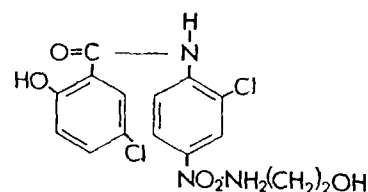
Mol. Wt. 388

Use Molluscic.

LD₅₀ 1,500

	A	B	C	D	E	F
1	EA	70	13/3	369	15	x
2	AL	72	55/6	1276	12	t
3	AI	73	3/1	61	11,14	x
4						
5						
6						

Ref.



3720 COUMAFURYL (Fumarin) $C_{17}H_{14}O_5$ 3-(α-Acetylfurfuryl)-4-hydroxycoumarin

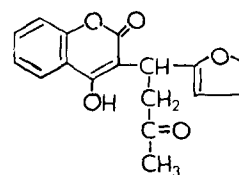
Mol. Wt. 298

Use Rodentic.

LD₅₀ 400

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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1540 COUMAPHOS (Co-Ral)

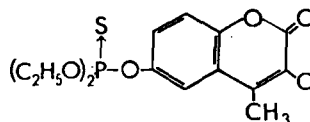
$C_{14}H_{16}ClO_5PS$ O-(3-Chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl)O,O-diethyl phosphorothioate

Mol. Wt. 363

Use Insectic.

LD₅₀ 56-230

	A	B	C	D	E	F
1	C		II		12/4	j, o
2	AL	67	50/6	1228	4	c, o
3	ZD	69	26	17	10	t
4	AP	68	61/2	358	4	n, o
5	AL	75	58/3	554	11/4	p
6	AB	75	47/4	674	4	o



1500 CROTOXYPHOS (Ciodrin)

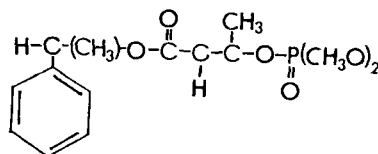
$C_{14}H_{19}O_6P$ α-Methylbenzyl 3-hydroxy-crotonate dimethyl phosphate

Mol. Wt. 314

Use Insectic.

LD₅₀ 125

	A	B	C	D	E	F
1	AL	70	53/5	1045	4	j, o
2	AJ	69	17/6	1160	15	j, o
3	AL	69	52/3	522	16	a
4	AL	68	51/6	1270	2, 7	x
5	AC	67	5	243	20	---
6						



6020 CRUFOMATE (Ruelene)

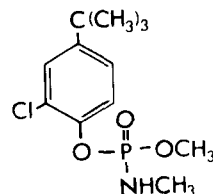
$C_{12}H_{19}ClNO_3P$ O-(4-tert-Butyl-2-chlorophenyl)O-methyl N-methyl phosphoramidate

Mol. Wt. 292

Use Insectic.

LD₅₀ 770

	A	B	C	D	E	F
1	AD	72	7	237	10	1
2	AL	74	57	1033	4	t
3						
4						
5						
6						



1546 CRYOLITE (Kryocide)

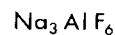
Na_3AlF_6 Sodium Fluoaluminate

Mol. Wt. 210

Use Insectic.

LD₅₀ 10,000+

	A	B	C	D	E	F
1	B	11	6.019	79	18	w
2						
3						
4						
5						
6						



1552 CYANAZINE (Bladex)

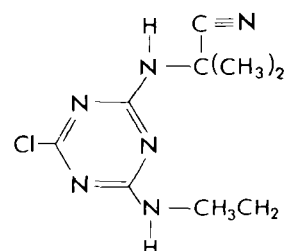
$C_9H_{13}N_6Cl$ 2-[(4-Chloro-6-(ethylamino)-s-triazin-2-yl)amino]-2-methylpropionitrile

Mol. Wt. 240

Use Herbic.

LD₅₀ 334

	A	B	C	D	E	F
1	AJ	74	22/6	1143	3	u
2	BE	72	3/4	379	2	a, u
3	AJ	73	21/6	1016	1	u
4	AJ	73	21/6	1091	2	atu
5	AD	70	5/1	6	3	a
6	7U				2	c, u



Code	Common Name	Emp. Form.	Chemical Name	Structure
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1591 CYCLOATE (Ro-Neet)

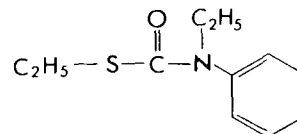
$C_{11}H_{21}NO_2S$ S-Ethyl ethylcyclohexylthiocarbamate

Mol. Wt. 215

Use Herbic.

LD₅₀ 2,595

	A	B	C	D	E	F
1	C		II		6,12	af
2	7Z				4	a
3	AC	67	5	491	20	---
Ref.						
4						
5						
6						



1600 CYCLOHEXIMIDE (Actidione)

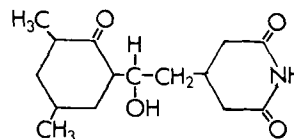
$C_{15}H_{23}NO_4$ 3-[2-(3,5-Dimethyl-2-oxo-cyclohexyl)-2-hydroxyethyl]glutarimide

Mol. Wt. 281

Use Fungic.

LD₅₀ 2.5

	A	B	C	D	E	F
1	GJ	69	8/3	211	11	s
2	AJ	73	21/1	83	10	w
3	8U				19	e
Ref.						
4						
5						
6						



1615 CYPRAZINE (Outfox)

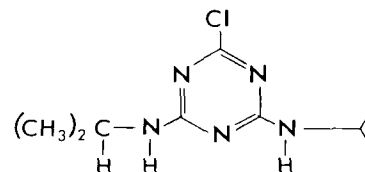
$C_9H_{14}ClN_5$ 2-Chloro-4-(cyclopropylamino)-6-(isopropylamino)-s-triazine

Mol. Wt. 228

Use Herbic.

LD₅₀ 1,200

	A	B	C	D	E	F
1	3Z				2	a,u
2	AJ	73	21/1	93	1,2	ctu
Ref.						
3						
4						
5						
6						



1621 CYTHIATE (Proban)

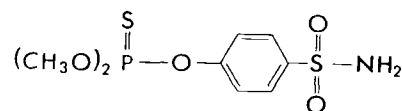
$C_8H_{12}O_5PNS_2$ O,O-Dimethyl O-p-sulfamoyl phenyl phosphorothioate

Mol. Wt. 297

Use Insectic.

LD₅₀ 2,500+

	A	B	C	D	E	F
1	AL	69	52/2	286	16	x
2	WD	71	60/2	213	11,14	t
3	WD	71	59/1	135	11,14	x
4	WD	70	48/3	478	11	x
Ref.						
5						
6						



1660 DALAPON (Dowpon)

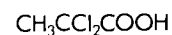
$C_3H_4Cl_2O_2$ 2,2-Dichloropropionic acid

Mol. Wt. 143

Use Herbic.

LD₅₀ 7,000

	A	B	C	D	E	F
1	C		II		11	d,e
2	AL	63	46	269	10	e
3	AK	63	55	639	12	t
4	AG	69	3	69	10	t
5	AL	69	52	824	2	almo
Ref.						
6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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1720 DCPA (Dacthal) $C_{10}H_6Cl_4O_4$ Dimethyl 2,3,5,6-tetrachloroterephthalate

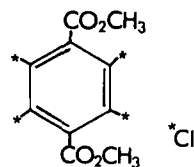
Mol. Wt. 332

Use Herbic.

LD₅₀ 3,000

	A	B	C	D	E	F
1	C		II		6,12	d,g
2	AD	73	9/5	305	2	e
3	AL	71	54/6	1376	2,6	v
4	AL	74	57/3	595	6	l
5	AY	74	8/1	53	2	ktu
6	AY	69	5	345	2	f,u

Ref.



1740 DDA-p,p' $C_{14}H_{10}Cl_2O_2$ Bis(p-chlorophenyl) acetic acid

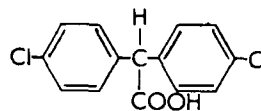
Mol. Wt. 281

Use DDT metabolite

LD₅₀ 1,900

	A	B	C	D	E	F
1	A		5, A, (4), (b)		2	m
2						
3						
4						
5						
6						

Ref.



1750 DDD, MIXED, TECH. (TDE, Rhothane) $C_{14}H_{10}Cl_4$ 2,2-Bis(chlorophenyl)-1,1-dichloroethane and related compounds

Mol. Wt. 320

Use Insectic.

LD₅₀ 3,400

	A	B	C	D	E	F
1	C		I		2,6	a
2	A		5, A{1,2,3,4}		12	j l m o
3	A		10, A		2,4	t
4	A		8, B		2,4	v
5	A		11, A		2,4	u
6						

Ref.

See structures below under 1820, 1760, and 1780.

1820 DDD, m,p' $C_{14}H_{10}Cl_4$ 2-(m-Chlorophenyl)-2-(p-chlorophenyl)-1,1-dichloroethane

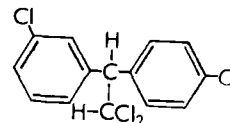
Mol. Wt. 320

Use DDD metabolite

LD₅₀ 3,400

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.



1760 DDD, o,p' $C_{14}H_{10}Cl_4$ 2-(o-Chlorophenyl)-2-(p-chlorophenyl)-1,1-dichloroethane

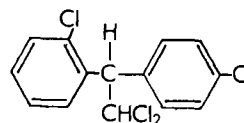
Mol. Wt. 320

Use Compon. of tech. DDD

LD₅₀ ca. 3,400

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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1780 DDD, *p,p'* $C_{14}H_{10}Cl_4$ 2,2-Bis(p-chlorophenyl)-1,1-dichloroethane

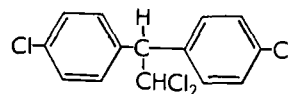
Mol. Wt. 320

Use Compon. of tech. DDD

LD₅₀ 2,500-3,400

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.



1800 DDD, *p,p'*, OLEFIN (DDMU) $C_{14}H_9Cl_3$ 1-Chloro-2,2-bis(p-chlorophenyl) ethylene

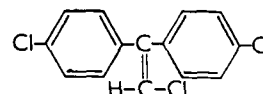
Mol. Wt. 284

Use DDD Metabolite

LD₅₀ ---

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.



1840 DDE, *o,p'* $C_{14}H_8Cl_4$ 1,1-Dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)ethylene

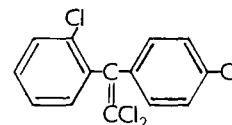
Mol. Wt. 318

Use DDT metabolite

LD₅₀ 880

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.



1860 DDE, *p,p'* $C_{14}H_8Cl_4$ 1,1-Dichloro-2,2-bis(p-chlorophenyl)ethylene

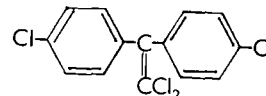
Mol. Wt. 318

Use DDT metabolite

LD₅₀ 750

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.



1880 DDT, MIXED (TECH.) $C_{14}H_9Cl_5$ Dichloro diphenyl trichloroethane (mixture of metabolites of ca. 80% *p,p'* and 20% *o,p'*)

Mol. Wt. 354.5

Use Insectic.

LD₅₀ 113

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.

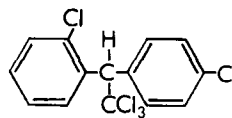
Code	Common Name	Emp. Form.	Chemical Name	Structure
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1900 DDT, o,p' $C_{14}H_9Cl_5$ 1,1,1-Trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)ethane

Mol. Wt. 354.5
Use Compon. of tech DDT
LD₅₀ 100

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.

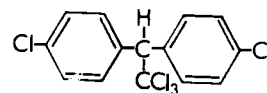


1920 DDT, p,p' $C_{14}H_9Cl_5$ 1,1,1-Trichloro-2,2-bis(p-chlorophenyl)ethane

Mol. Wt. 354.5
Use Compon. of tech. DDT
LD₅₀ 113

	A	B	C	D	E	F
1			See 1750			
2						
3						
4						
5						
6						

Ref.

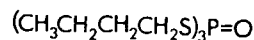


1940 DEF $C_{12}H_{27}OPS_3$ S,S,S-Tributyl phosphorotrithioate

Mol. Wt. 314.5
Use Defoliant
LD₅₀ 350

	A	B	C	D	E	F
1	C		II		9	0,9
2	WD	69	40/2	289	4	x
3	AJ	66	14/2	143	2	g
4						
5						
6						

Ref.

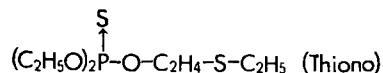


1981 DEMETON-O (Systox-O) (THIONO) $C_8H_{19}O_3PS_2$ 0,0-Diethyl 0-2-[(ethylthio)ethyl]phosphorothioate

Mol. Wt. 258
Use Insectic.
LD₅₀ 7.5

	A	B	C	D	E	F
1	WD	70	48/3	468	10	d
2	ZD	69	26	17	10	t
3	JI	70	22	13	3,4	c,d,e
4						
5						
6						

Ref.

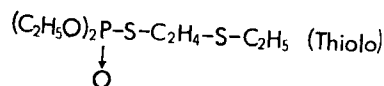


1982 DEMETON-S (Systox-S) (THIOLO) $C_8H_{19}O_3PS_2$ 0,0-Diethyl S-2-[(ethylthio)ethyl]phosphorothioate

Mol. Wt. 258
Use Insectic.
LD₅₀ 2.5

	A	B	C	D	E	F
1	ZD	69	26	17	10	t
2	AL	69	52/1	157	4	a
3	BA	69	94/1117	275	10,11	t
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2006 DESMEDIPHAM (Betanex) $C_{16}H_{16}N_2O_4$ Ethyl m-hydroxycarbanilate carbanilate(ester)

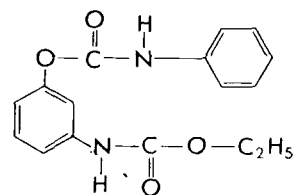
Mol. Wt. 300

Use Herbic.

LD₅₀ 10,250+

	A	B	C	D	E	F
1	BH	70	10/4	340	10,12	a
2	7Q				10	af
3	6A				2,11	af
4					12	
5						
6						

Ref.



2035 DIALIFOR (Torak) $C_{14}H_{17}O_4NS_2PCl$ S-(2-Chloro-1-phthalimido-ethyl) 0,0-diethyl phosphorodithioate

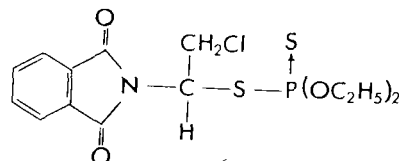
Mol. Wt. 393.5

Use Insectic. & Mitic.

LD₅₀ 69

	A	B	C	D	E	F
1	4A				2,9	e
2	AJ	71	19	900	2,9	mno
3	AJ	71	19	1191	3,19	e
4						
5						
6						

Ref.



2040 DIALATE (Avadex) $C_{10}H_{17}Cl_2NOS$ S-(2,3-Dichloroallyl) diisopropylthiocarbamate

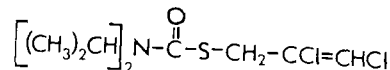
Mol. Wt. 270

Use Herbic.

LD₅₀ 395

	A	B	C	D	E	F
1	AJ	69	17/5	1052	2	u
2	AL	71	54/6	1366	4,9	a,q
3	FB	69	62/686	214	10	t
4	BH	70	10/4	331	2	u
5						
6						

Ref.



2060 DIAPHENE (Bromsalans) $C_{13}H_9Br_2NO_2$ 3,4,5-Tribromosalicylanilide, 4,5-dibromosalicylanilide and other brominated salicylanilides

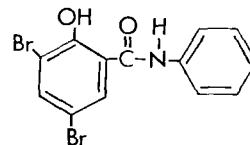
Mol. Wt. 371

Use Fungic.

LD₅₀ 40,2

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



2080 DIAZINON (Spectracide) $C_{12}H_{21}N_2O_3PS$ 0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate

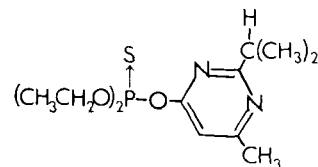
Mol. Wt. 304

Use Insectic.

LD₅₀ 100-150

	A	B	C	D	E	F
1	C		II		12	a
2	AD	68	3	247	2	acj
3	BA	69	94/1116	221	3	tu
4	AL	69	52	1067	3	j
5	AJ	72	20	624	2,4	a,j
6	AL	74	57	1033	4	t

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2090 DIBROMOCHLOROPROPANE (DBCP) $C_3H_5Br_2Cl$ 1,2-Dibromo-3-chloropropane and related halogenated C_3 hydrocarbons

Mol. Wt. 236

Use Soil Fumigant

LD₅₀ 172

		A	B	C	D	E	F
Ref.	1	RB	70	35	59	12	t
	2	7U				2	atu
	3	AM	68	6	124	2	u
	4	AJ	63	11/6	479		
	5						
	6						



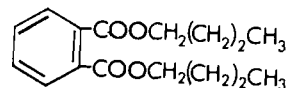
2120 DIBUTYL PHTHALATE (DBP) $C_{16}H_{22}O_4$ Di-n-butyl phthalate

Mol. Wt. 278

Use Insect Repellant

LD₅₀ 20,000

		A	B	C	D	E	F
Ref.	1	AJ	73	21/6	1128	3	k
	2	AD	74	12/6	721	2	j
	3	BA	67	92/1068	575	2	t
	4	AE		71-1172738	-	10	t
	5	GD	72	68/6	180	10	j
	6						



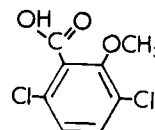
2140 DICAMBA (Banvel D) $C_8H_6Cl_2O_3$ 2-Methoxy-3,6-dichlorobenzoic acid

Mol. Wt. 221

Use Herbic.

LD₅₀ 1,040

		A	B	C	D	E	F
Ref.	1	C		II		2	bc
	2	AL	65	48	1164	2	a
	3	AJ	64	22	453	2	tu
	4	AJ	71	19	1181	11	a
	5						
	6						



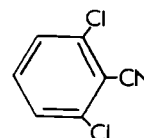
2200 DICHLOBENIL (Casoron) $C_7H_3Cl_2N$ 2,6-Dichlorobenzonitrile

Mol. Wt. 172

Use Herbic.

LD₅₀ 3,160

		A	B	C	D	E	F
Ref.	1	C		II		2	e
	2	AL	66	49	976	2	aktu
	3	AD	67	2	178	6	a
	4	WD	74	97	103	2	u
	5						
	6						



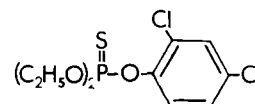
2220 DICHLOFENTHION (VC-13) $C_{10}H_{13}Cl_2O_3PS$ 0-2,4-Dichlorophenyl 0,0-diethyl phosphorothioate

Mol. Wt. 315

Use Nematoc & Insectic.

LD₅₀ 270

		A	B	C	D	E	F
Ref.	1	AJ	59	7	615	17	x
	2	AL	64	47	287	12	a
	3						
	4						
	5						
	6						



Code Common Name Emp. Form. Chemical Name Structure

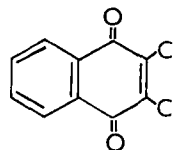
2180 DICHLONE (Phygon XL) $C_{10}H_4Cl_2O_2$ 2,3-Dichloro-1,4-naphthoquinone

Mol. Wt. 227

Use Fungic.

LD₅₀ 1,300

	A	B	C	D	E	F
1	B		24.181-			
2	AJ	58	6	746	12	d,e
3	AJ	69	17	585	2	a
4						
5						
6						



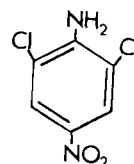
2260 DICHLORAN (Botran) $C_6H_4Cl_2N_2O_2$ 2,6-Dichloro-4-nitroaniline

Mol. Wt. 207

Use Fungic.

LD₅₀ 10,000

	A	B	C	D	E	F
1	C		II		6,12	a
2						
3						
4						
5						
6						



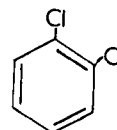
2280 DICHLOORBENZENE, ORTHO (ODB) $C_6H_4Cl_2$ 1,2-Dichlorobenzene

Mol. Wt. 147

Use Herbic. & Insectic.

LD₅₀ 500

	A	B	C	D	E	F
1	AN	73	11/11	580	1,2,3	t
2	WD	70	53/2	143	8	x
3	WD	67	30/1	77	2	x
4	AH	72	3	281	3	t,k
5						
6						



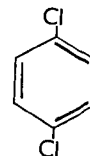
2300 DICHLOORBENZENE, PARA (PDB) $C_6H_4Cl_2$ 1,4-Dichlorobenzene

Mol. Wt. 147

Use Fumigant

LD₅₀ 2,560

	A	B	C	D	E	F
1	AD	70	5/4	354	2	1,m
2	WD	70	53/2	143	8	x
3	AN	71	9/8	497	10	x
4	WD	67	30/1	77	2	x
5						
6						



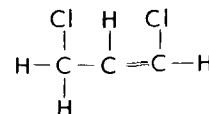
2306 DICHLOORPROPENE (Telone) $C_3H_4Cl_2$ 1,3-Dichloropropene

Mol. Wt. 111

Use Nematoc.

LD₅₀ 375

	A	B	C	D	E	F
1	AJ	71	19/6	1270	6	f
2	AP	68	61/5	1432	2	u
3	AJ	70	18/6	1124	10	tu
4	AW	75	0453	-	2	f
5	AF	74	34/7	30348	10	u
6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2309 DICHLORPROP (2,4-DP) $C_9H_8Cl_2O_3$

2-(2,4-Dichlorophenoxy)-propionic acid

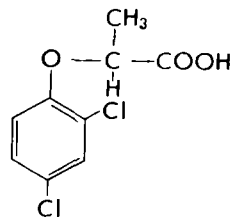
Mol. Wt. 235

Use Herbic.

LD₅₀ 800

	A	B	C	D	E	F
1	AP	68	67/5	1432	2	u
2	AW	75	0453	-	2	f
3	AV	72	1333	-	10,12	t
4	AJ	71	19/6	1270	6	f
5	AD	69	4/4	246	16	a,c
6						

Ref.



2320 DICHLORVOS (DDVP)

$C_4H_7Cl_2O_4P$

2,2-Dichlorovinyl dimethyl phosphate

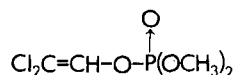
Mol. Wt. 221

Use Insectic.

LD₅₀ 56-80

	A	B	C	D	E	F
1	C		11		6	d
2	BD	69	5	417	10	c
3	AL	69	52	1248	4	jop
4	AJ	71	19	1238	10	j
5	BA	73	98	176	9	j1
6						

Ref.



2340 DICOFOL (Kelthane)

$C_{14}H_9Cl_5O$

1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethanol

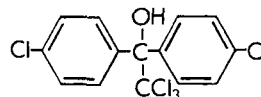
Mol. Wt. 370.5

Use Mitic.

LD₅₀ 600

	A	B	C	D	E	F
1	C		11		12	bde
2	AL	60	53	127	2	o
3	AD	69	4	297	2	k
4	AJ	69	17	1070	2,11	h
5						
6						

Ref.



0700 DICROTOPHOS (Bidrin)

$C_8H_{16}NO_5P$

3-Hydroxy-N,N-dimethyl-*cis*-crotonamide dimethyl phosphate

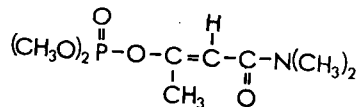
Mol. Wt. 237

Use Insectic.

LD₅₀ 22

	A	B	C	D	E	F
1	AJ	67	15	465	4	c
2	AJ	69	17	56	4	a
3	AN	71	9	44	3	c,o
4	AC	67	5	213	20	---
5						
6						

Ref.



2380 DIELDRIN (HEOD)

$C_{12}H_8Cl_6O$

1,2,3,4,10,10-Hexachloro-*exo*-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-*endo*,
exo-5,8-dimethanonaphthalene

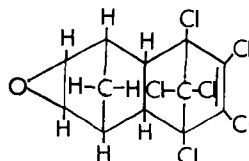
Mol. Wt. 237

Use Insectic.

LD₅₀ 22

	A	B	C	D	E	F
1	C		I			
2	A				2	ilt
3	AP	65	58	266	2	uv
4	AL	69	52	1220	2	b,c
5	AL	69	52	1280	2	bof
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2386 DIETHYL PHOSPHATE $C_4H_{11}O_4P$ 0,0-Diethyl phosphate
(DEP)

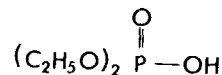
Mol. Wt. 154

Use Derivative

LD₅₀ ---

	A	B	C	D	E	F
1	A	74	6, A, (2), (a)		4	m
2						
3						
4						
5						
6						

Ref.



2395 DIFENZOQUAT (Avenge) $C_{18}H_{20}N_2SO_4$ 1,2-Dimethyl-3,5-diphenyl-1H-pyrazolium methyl sulfate

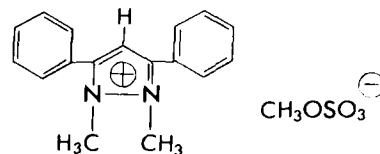
Mol. Wt. 360

Use Herbic.

LD₅₀ 470

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



2406 DIFLUBENZURON (TH-6040, Dimilin) $C_{14}H_9N_2O_2F_2Cl$ 1-(4-Chlorophenyl)-3-(2,6-difluorobenzoyl)urea

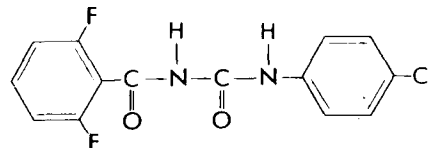
Mol. Wt. 311

Use Growth Regulat.

LD₅₀ 10,000+

	A	B	C	D	E	F
1	AL	74	57/6	1269	16	o
2						
3						
4						
5						
6						

Ref.



2416 DIMETHIRIMOL (Milcurb) $C_{11}H_{19}ON_3$ 5-n-Butyl-2-dimethylamino-4-hydroxy-6-methylpyrimidine

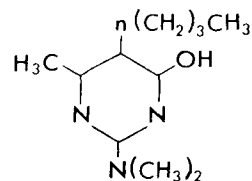
Mol. Wt. 209

Use Fungic.

LD₅₀ 2,350

	A	B	C	D	E	F
1	7E				11,2	a
2						
3						
4						
5						
6						

Ref.



2420 DIMETHOATE (Cygon) $C_5H_{12}NO_3PS_2$ 0,0-Dimethyl S-(N-methylcarbamoylmethyl) phosphorodithioate

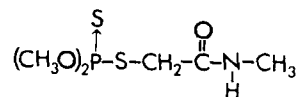
Mol. Wt. 229

Use Insectic. & Acaric.

LD₅₀ 215

	A	B	C	D	E	F
1	C		II		4,12	jol
2	AL	74	57	930	3,4	de
3	AL	72	55	1280	4	ajop
4	BA	68	93	756	12,1	de
5	AJ	66	14	371	12	ao
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2458 DIMETHYL PHOSPHATE $C_2H_7O_4P$ O,O-Dimethyl phosphate
(DMP)

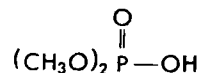
Mol. Wt. 126

Use Derivative

LD₅₀ ---

	A	B	C	D	E	F
1	A	74	6, A, (2), (a)		4	m
2						
3						
4						
5						
6						

Ref.



2460 DIMETHYL PHTHALATE $C_{10}H_{10}O_4$ Dimethyl phthalate

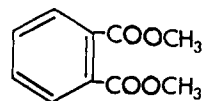
Mol. Wt. 194

Use Insect Repellant

LD₅₀ 8,200

	A	B	C	D	E	F
1	AN	74	12/3	149	10	x
2	WD	70	46/2	137	3	x
3	GD	72	68/6	180	10	j
4						
5						
6						

Ref.



2551 DINITRAMINE (Cobex) $C_{11}H_{13}F_3N_4O_4$ N⁴, N⁴-Diethyl-α, α, α-trifluoro-3,5-dinitrotoluene-2,4-diamine

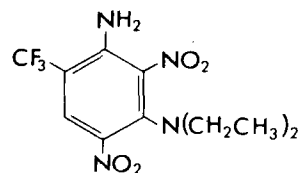
Mol. Wt. 322

Use Herbic.

LD₅₀ 3,000

	A	B	C	D	E	F
1	AJ	72	20/6	1222	2	a, u
2	WD	74	97	103	2	u
3						
4						
5						
6						

Ref.



2560 DINOCAP (Karathane) $C_{18}H_{24}N_2O_6$ 2-(1-Methylheptyl)-4,6-dinitrophenyl crotonate

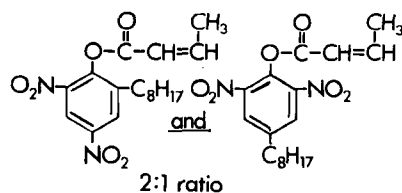
Mol. Wt. 364

Use Fungic. & Mitic.

LD₅₀ 980

	A	B	C	D	E	F
1	AL	70	53	887	3	w
2	RD	71	9	761	11	ef
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2760 DINOSEB (DNBP) $C_{10}H_{12}N_2O_5$ 2-(*sec*-Butyl)-4,6-dinitrophenol

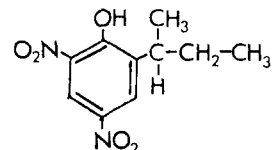
Mol. Wt. 240

Use Herbic.

LD₅₀ 37-50

	A	B	C	D	E	F
1	AC	67	5	385	20	---
2						
3						
4						
5						
6						

Ref.



2566 DINOSEB ACETATE (Aretit) $C_{12}H_{14}N_2O_6$ 2-(*sec*-Butyl)-4,6-dinitrophenyl acetate

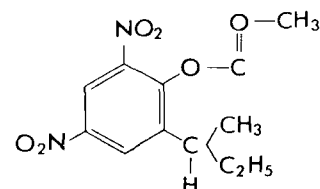
Mol. Wt. 282

Use Herbic.

LD₅₀ 65

	A	B	C	D	E	F
1	4E				12	w
2						
3						
4						
5						
6						

Ref.



2580 DIOXATHION (Delnav) $C_{12}H_{26}O_6P_2S_4$ S,S'-p-Dioxane-2,3-diyl 0,0-diethyl phosphorodithioate (*cis* and *trans* isomers)

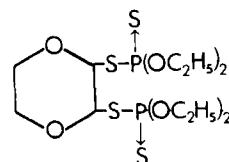
Mol. Wt. 456.5

Use Insectic. & Mitic.

LD₅₀ 23-43

	A	B	C	D	E	F
1	C		II		12	ej
2	AL	69	52	522	3	eh
3	AL	71	54	513	3	eh
4						
5						
6						

Ref.



2600 DIPHACINONE $C_{23}H_{16}O_3$ 2-Diphenylacetyl-1,3-indandione

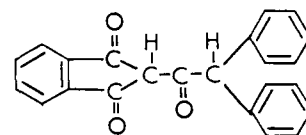
Mol. Wt. 340

Use Rodentic.

LD₅₀ 3.2-5.1

	A	B	C	D	E	F
1	AJ	75	23/1	72	2	j1
2	BF	67	14/1	103	14	1
3	WD	73	79	217	11	4 x
4	WD	71	57/2	319	11	x
5						
6						

Ref.



2620 DIPHENAMID (Enide) $C_{16}H_{17}NO$ N,N-Dimethyl-2,2-diphenylacetamide

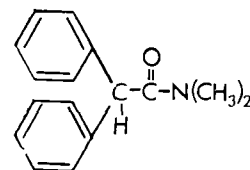
Mol. Wt. 239

Use Herbic.

LD₅₀ 1,000

	A	B	C	D	E	F
1	C		II		3	def
2	AJ	66	14	312	3	a
3	AJ	69	17	56	2	a
4	AJ	74	22	79	12	tu
5	AC	67	5	375	20	-
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2640 DIPHENYL MERCURY $C_{12}H_{10}Hg$ Diphenyl mercury

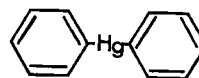
Mol. Wt. 355

Use Fungic.

LD₅₀ 500

	A	B	C	D	E	F
1	AB	71	43	950	7	k
2	AI	71	1	85	10	k
3						
4						
5						
6						

Ref.



2660 DIQUAT DIBROMIDE $C_{12}H_{12}Br_2N_2 \cdot H_2O$ 6,7-Dihydrodipyrido[1,2-a:2',1'-c]pyrazidinium dibromide, monohydrate

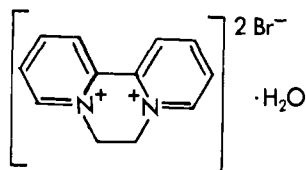
Mol. Wt. 362

Use Herbic. & Desiccant

LD₅₀ 400

	A	B	C	D	E	F
1	C		II		12	1
2	AJ	66	14	377	15	f
3	BA	66	91	625	12	at
4	AJ	74	22	863	3	u
5	AC	67	5	397	20	---
6						

Ref.



2720 DISULFOTON (Di-Syston) $C_8H_{19}O_2PS_3$ 0,0-Diethyl S-[2-(ethylthio)ethyl] phosphorodithioate

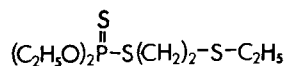
Mol. Wt. 274

Use Insectic.

LD₅₀ 12.5

	A	B	C	D	E	F
1	C		II		9	bdeg
2	AL	74	57/5	1033	4	t
3	AL	69	52/6	1231	4	ano
4	AJ	71	19/6	1196	3	f
5	AL	69	52/1	157	4	a
6	AJ	68	16/6	895	9	a

Ref.



2721 DITHIANON (Thynon) $C_{14}H_4N_2O_2S_2$ 2,3-Dicarbonitrile-1,4-dithiaanthraquinone

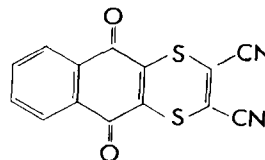
Mol. Wt. 296

Use Fungic.

LD₅₀ 638

	A	B	C	D	E	F
1	2A				12	x
2						
3						
4						
5						
6						

Ref.



2740 DIURON $C_9H_{10}Cl_2N_2O$ 3-(3,4-Dichlorophenyl)-1-dimethylurea

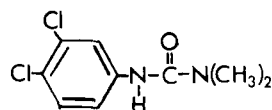
Mol. Wt. 233

Use Herbic.

LD₅₀ 3,400

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2770 DNOC $C_7H_5N_2O_5$ 4,6-Dinitro-o-cresol

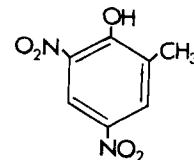
Mol. Wt. 198

Use Insectic. & Fungic.

LD₅₀ 30

	A	B	C	D	E	F
1	AL	68	51	24	2	a
2	AJ	71	19	1181	11	a
3	AJ	73	21	295	2	m
4						
5						
6						

Ref.



2780 DODINE (Carpene) $C_{15}H_{33}N_3O_2$ n-Dodecylguanidine acetate

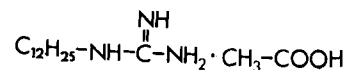
Mol. Wt. 287

Use Fungic.

LD₅₀ 1,000

	A	B	C	D	E	F
1	B		24,122-			
2	C		125			
3	AL	73	56	299	11	e
4						t
5						
6						

Ref.



2792 DRAZOXOLON (Ganocide) $C_{10}H_8O_2N_3Cl$ 4-(2-Chlorophenylhydrazono)-3-methyl-5-isoxazalone

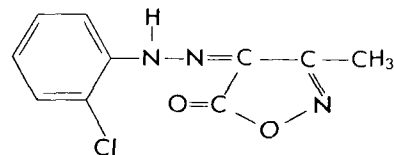
Mol. Wt. 238

Use Fungic.

LD₅₀ 126

	A	B	C	D	E	F
1	4I				12	a
2						
3						
4						
5						
6						

Ref.



2860 DSMA $CH_3AsO_3Na_2 \cdot 6H_2O$ Disodium methanearsonate, hexahydrate

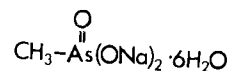
Mol. Wt. 292

Use Herbic.

LD₅₀ 1,000

	A	B	C	D	E	F
1	2F	69	33/2	279	21	abu
2	ZB	69	22	51	21	a,u
3	AL	68	51/6	1300	18	w
4	AJ	72	20/2	341	8	w
5	9E				18	x
6						

Ref.



2940 2,4-D, ACID $C_8H_6Cl_2O_3$ 2,4-Dichlorophenoxyacetic acid

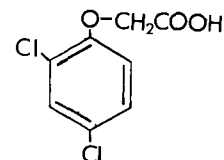
Mol. Wt. 221

Use Herbic.

LD₅₀ 500

	A	B	C	D	E	F
1	C		II		2,6	bce
2	A		5, A, (4), (C)		2	mt
3	AL	69	52	187	2	t
4	AJ	71	19	73	2	u
5	AJ	71	19	186	2	u
6	AJ	74	22	453	2	t,u

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2960 2,4-D, BUTOXYETHANOL
ETHER ESTERS

Mol. Wt. 321

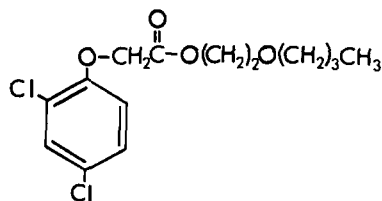
Use Herbic.

LD₅₀ 800

C₁₄H₁₈Cl₂O₄ 2,4-Dichlorophenoxyacetic acid,
butoxy ethanol ether esters
59.3% n-Butoxyethyl ester 0.5% Butoxyethanol
39.6% IsoButoxyethyl ester 0.6% 2,4-D, acid

	A	B	C	D	E	F
1						
2			See			
3			2940			
4						
5						
6						

Ref.



2980 2,4-D BUTYL ESTERS
(MIXED)*

Mol. Wt. 277

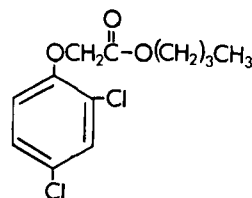
Use Herbic.

LD₅₀ 500

C₁₂H₁₄Cl₂O₃ 2,4-Dichlorophenoxyacetic
Acid, butyl esters
*Free acid 0.42% Other isomers 0.20%
n-butyl alcohol 0.66

	A	B	C	D	E	F
1	AL	69	52	187	2	t
2						
3			See also			
4			2940			
5						
6						

Ref.



2985 2,4-D, DIETHANOL =
AMINE SALT (Weedar 640) C₁₂H₁₇Cl₂NO₅ 2,4-Dichlorophenoxyacetic
acid, diethanolamine salt

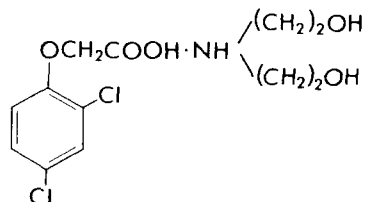
Mol. Wt. 326

Use Herbic.

LD₅₀ ---

	A	B	C	D	E	F
1	AJ	65	13	123	2	b
2						
3			See also			
4			2940			
5						
6						

Ref.



2990 2,4-D, DIMETHYLAMINE SALT C₁₀H₁₃Cl₂NO₃ 2,4-Dichlorophenoxyacetic
acid, dimethylamine salt

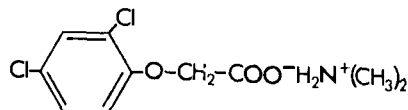
Mol. Wt. 266

Use Herbic.

LD₅₀ 500

	A	B	C	D	E	F
1	AK	68	60/7	827	2	t
2	AY	71	4/4	199	2	ktu
3	AD	72	7/(2-3)	115	2,16	ku
4	AV	-	71-2382	-	10	t
5			See also			
6			2940			

Ref.



3000 2,4-D, ISOBUTYL ESTERS C₁₂H₁₄Cl₂O₃ 2,4-Dichlorophenoxyacetic
(MIXED)* acid, isobutyl esters

Mol. Wt. 277

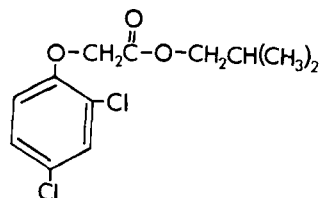
Use Herbic.

LD₅₀ 500

*Free acid 0.13%; other Isomers 0.86%

	A	B	C	D	E	F
1	AL	69	52	187	2	t
2						
3			See also			
4			2940			
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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3020 2,4-D, ISOCTYL ESTERS (MIXED)* $C_{16}H_{22}Cl_2O_3$ 2,4-Dichlorophenoxyacetic acid, isooctyl esters
 *Free acid 0.08% Other isomers 0.20%
 Ethyl hexyl alcohol 1.6%

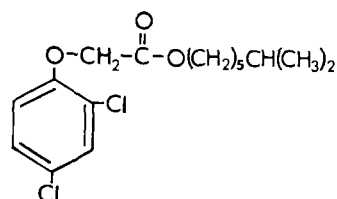
Mol. Wt. 333

Use Herbic.

LD₅₀ 500

	A	B	C	D	E	F
1	AL	69	52	187	2	t
2						
3			See also			
4			2940			
5						
6						

Ref.



3040 2,4-D, ISOPROPYL ESTER $C_{11}H_{12}Cl_2O_3$ 2,4-Dichlorophenoxyacetic acid, isopropyl ester

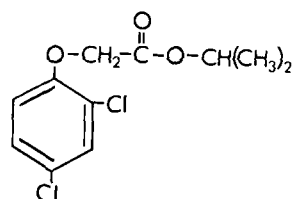
Mol. Wt. 263

Use Herbic.

LD₅₀ 700

	A	B	C	D	E	F
1	AL	69	52	187	2	t
2						
3			See also			
4			2940			
5						
6						

Ref.



3060 2,4-D, PROPYLENE GLYCOL BUTYL ETHER ESTERS
 1. $C_{15}H_{20}Cl_2O_4$ 2,4-Dichlorophenoxyacetic acid, propylene glycol butyl ether esters
 2. $C_{18}H_{26}Cl_2O_5$
 3. $C_{21}H_{32}Cl_2O_6$

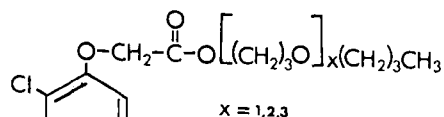
Mol. Wt. 358 (average)

Use Herbic.

LD₅₀ 500

	A	B	C	D	E	F
1	AL	69	52	187	2	t
2						
3			See also			
4			2940			
5						
6						

Ref.



x = 1,2,3

3080 2,4-DB, ACID $C_{10}H_{10}Cl_2O_3$ 4-(2,4-Dichlorophenoxy)butyric acid

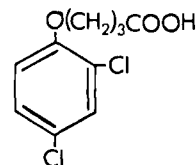
Mol. Wt. 249

Use Herbic.

LD₅₀ 400

	A	B	C	D	E	F
1	AJ	71	19	1181	11	a
2	AC	67	5	369	20	---
3						
4						
5						
6						

Ref.



3100 2,4-DB, BUTYL ESTER $C_{14}H_{18}Cl_2O_3$ 4-(2,4-Dichlorophenoxy)butyric acid, butyl ester

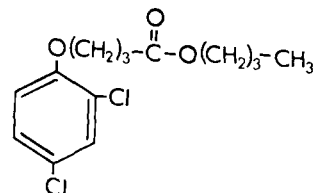
Mol. Wt. 305

Use Herbic.

LD₅₀ ca. 400

	A	B	C	D	E	F
1						
2			See			
3			3080			
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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3120 2,4-DB, ISOBUTYL ESTER $C_{14}H_{18}Cl_2O_3$ 4-(2,4-Dichlorophenoxy)butyric acid, isobutyl ester

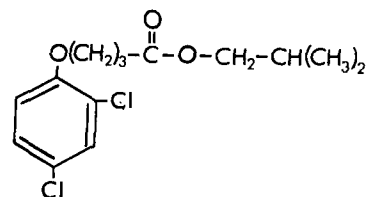
Mol. Wt. 305

Use Herbic.

LD₅₀ ca. 400

	A	B	C	D	E	F
1			See			
2			3080			
3						
4						
5						
6						

Ref.



3140 2,4-DB, ISOOCYL ESTER $C_{18}H_{26}Cl_2O_3$ 4-(2,4-Dichlorophenoxy)butyric acid, isooctyl ester

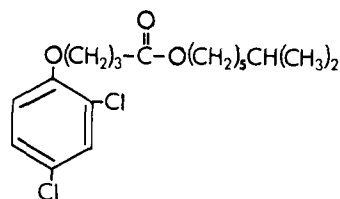
Mol. Wt. 361

Use Herbic.

LD₅₀ 500

	A	B	C	D	E	F
1			See			
2			3080			
3						
4						
5						
6						

Ref.



3180 ENDOSULFAN (Thiodan) (MIXED ISOMERS) $C_9H_6Cl_2O_3S$ 6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide

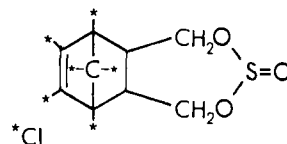
Mol. Wt. 407

Use Insectic.

LD₅₀ 18-43

	A	B	C	D	E	F
1						
2	C		II		6	adef
3	AP	65	58	160	2	c,u
4	AL	69	52	1240	2	a
5	AD	71	6	40	2	t
6	AL	72	55	1232	2	ktu

Ref.



3200 ENDOSULFAN I $C_9H_6Cl_2O_3S$ The early eluting, low melting (106°C) isomer of Endosulfan

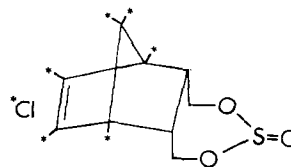
Mol. Wt. 407

Use Isomer of tech. endosulfan

LD₅₀ 18-43

	A	B	C	D	E	F
1			See			
2			3180			
3						
4						
5						
6						

Ref.



3220 ENDOSULFAN II $C_9H_6Cl_2O_3S$ The late eluting, high melting (212°C) isomer of Endosulfan

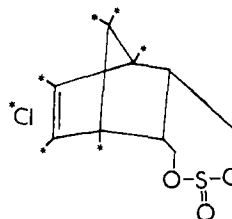
Mol. Wt. 407

Use Isomer of tech. endosulfan

LD₅₀ 240

	A	B	C	D	E	F
1			See			
2			3180			
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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3240 ENDOTHALL, ACID

$C_8H_{12}O_6$ 7-Oxabicyclo(2.2.1)heptane-2,3-dicarboxylic acid monohydrate

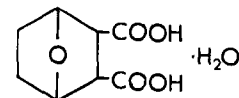
Mol. Wt. 204

Use Herbic.

LD₅₀ 51

	A	B	C	D	E	F
1	C		II		6	g
2	AJ	73	21/5	842	1	t,u
3						
4						
5						
6						

Ref.



3260 ENDRIN

$C_{12}H_8Cl_6O$ 1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,endo-5,8-dimethanonaphthalene

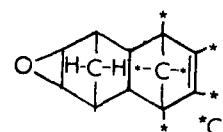
Mol. Wt. 381

Use Insectic.

LD₅₀ 10

	A	B	C	D	E	F
1	C		I		2	a
2	A				2	jltu
3	AL	69	52	1220	2	bc
4	AL	69	52	1280	2	acj
5	AD	72	8	169	2	ktu
6	AL	74	57	585	2	ktu

Ref.



3280 EPN

$C_{14}H_{14}NO_4PS$ O-Ethyl O-p-nitrophenyl phenylphosphonothioate

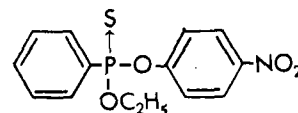
Mol. Wt. 323

Use Acaric. & Insectic.

LD₅₀ 42

	A	B	C	D	E	F
1	C		I			
2	AJ	67	15	187	2	a
3	AL	74	57	930	3,4	de
4	AL	74	57	1288	12	j
5						
6						

Ref.



3300 EPTC (Eptam)

$C_9H_{19}NOS$ S-Ethyl dipropylthiocarbamate

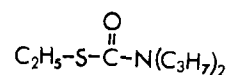
Mol. Wt. 189

Use Herbic.

LD₅₀ 1,631

	A	B	C	D	E	F
1	C		II		6	de
2	AL	71	54/6	1366	4,9	bde
3	AJ	68	16/5	839	2,3	fg
4	RC	71	36,4	84	3	f
5	WD	72	64/2	383	11,17	x
6						

Ref.



3320 ERBON (Baron)

$C_{11}H_9Cl_5O_3$ 2-(2,4,5-Trichlorophenoxy) ethyl 2,2-dichloropropionate

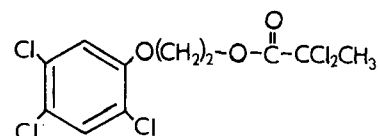
Mol. Wt. 366

Use Herbic.

LD₅₀ 1,120

	A	B	C	D	E	F
1	AJ	69	17	1171	2	jlmn
2	AJ	70	18	845	2	j
3	AL	71	54	327	2	x
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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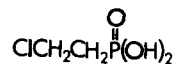
3330 ETHEPHON (CEPHA) $C_2H_6ClO_3P$ (2-Chloroethyl)phosphonic acid

Mol. Wt. 144.5

Use Growth Regulat.

LD₅₀ 4,229

	A	B	C	D	E	F
1	WD	71	60/2	219	11	g
2	AJ	73	21	742	3	mno
3	AL	70	53/4	730	9	ef
4	AJ	75	23/2	290	9	e
5						
6						



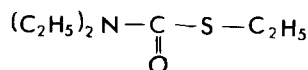
3335 ETHIOLATE (Prefox) $C_7H_{15}NOS$ S-Ethyl diethylthiocarbamate

Mol. Wt. 161

Use Herbic.

LD₅₀ 400

	A	B	C	D	E	F
1	3Z				4	c
2						
3						
4						
5						
6						



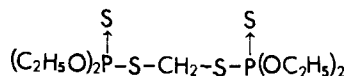
3340 ETHION $C_9H_{22}O_4P_2S_4$ 0,0,0',0'-Tetraethyl S,S'-methylene bisphosphorodithioate

Mol. Wt. 384.5

Use Insectic. & Mitic.

LD₅₀ 27-65

	A	B	C	D	E	F
1	C		I		12	a
2	C		II		2,17	de
3	AL	67	50	430	2	ae
4	AL	74	57	1033	4	t
5						
6						



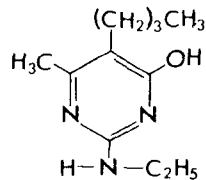
3359 ETHIRIMOL (Milstem) $C_{11}H_{19}ON_3$ 5-Butyl-2-(ethylamino)-6-hydroxy-4-methylpyrimidine

Mol. Wt. 209

Use Fungic.

LD₅₀ 4,000 (female rats)

	A	B	C	D	E	F
1	4I				9	bc
2						
3						
4						
5						
6						



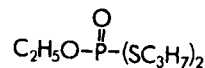
5880 ETHOPROP (Mocap) $C_8H_{19}O_2PS_2$ 0-Ethyl S,S,-dipropyl phosphorodithioate

Mol. Wt. 242

Use Nematoc.

LD₅₀ 30-56

	A	B	C	D	E	F
1	C		II		6	cde
2						
3						
4						
5						
6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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3380 ETHYLHEXANEDIOL $C_8H_{18}O_2$ 2-Ethyl-1,3-hexanediol

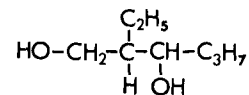
Mol. Wt. 146

Use Insect Repellant

LD₅₀ ca. 2,600

	A	B	C	D	E	F
1	AJ	59	1	259	12	x
2						
3						
4						
5						
6						

Ref.



3400 ETHYLMERCURY CHLORIDE C_2H_5HgCl Ethylmercury chloride
(Ceresan)

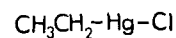
Mol. Wt. 265

Use Fungic.

LD₅₀ 30

	A	B	C	D	E	F
1	A		13A		2	klm
2	A		13B		13	t
3	WA	68	22	2277	2	k
4	AB	71	43	950	2	K
5						
6						

Ref.



3420 EXD (Herbisan) $C_6H_{10}O_2S_4$ Diethyl dithiobis(thionoformate)

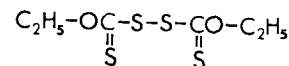
Mol. Wt. 242

Use Herbic.

LD₅₀ 603

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



3440 FAMPHUR $C_{10}H_{16}NO_5PS_2$ 0-[p-(dimethylsulfamoyl)=phenyl] 0,0-dimethyl phosphorothioate

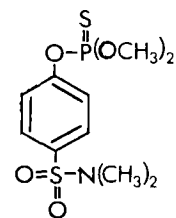
Mol. Wt. 325

Use Insectic.

LD₅₀ 35

	A	B	C	D	E	F
1	C		II		3	j
2	AJ	67	15	920	3	jlo
3						
4						
5						
6						

Ref.



3460 FENAC $C_8H_5Cl_3O_2$ 2,3,6-Trichlorophenylacetic acid

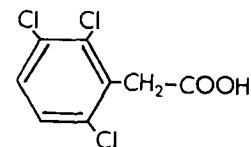
Mol. Wt. 239.5

Use Herbic.

LD₅₀ 3,000

	A	B	C	D	E	F
1	AJ	67	15	208	2	u
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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2020 FENAMINOSULF (Dexon) $C_8H_{10}N_2O_3SNa$ p-(Dimethylamino)benzene-diazo sodium sulfonate

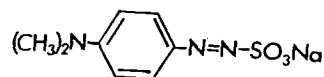
Mol. Wt. 251

Use Fungic.

LD₅₀ 60

	A	B	C	D	E	F
1						
2		*				
3						
4						
5						
6						

Ref.



3480 FENITROTHION (Sumithion) $C_9H_{12}NO_5PS$ O,O-Dimethyl O-(4-nitro-m-tolyl) phosphorothioate

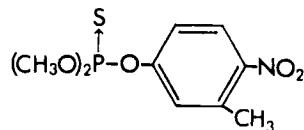
Mol. Wt. 277

Use Insectic.

LD₅₀ 250

	A	B	C	D	E	F
1	AL	74	57/6	1282	4	ktu
2	AJ	69	17/2	271	2	ao
3	AD	72	8/1	10	4	au
4	AL	74	57/6	1272	4	t
5	AL	74	57/6	1285	4	ae
6	AP	71	64	1394	4	bmno

Ref.



3500 FENSULFOTHION (Dasanit) $C_{11}H_{17}O_4PS_2$ O,O-Diethyl O-[p-(methylsulfinyl)phenyl] phosphorothioate

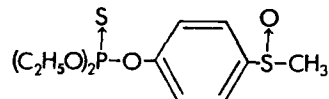
Mol. Wt. 308

Use Insectic.

LD₅₀ 2-11

	A	B	C	D	E	F
1	C		II		9,11	a
2	AJ	72	20/6	1219	3	u
3	AJ	71	19/3	456	4	a, f
4	AJ	71	19/2	342	4	aco
5	AC	73	7	253	20	---
6						

Ref.



3520 FENTHION (Baytex) $C_{10}H_{15}O_3PS_2$ O,O-Dimethyl O-[4-(methylthio)-m-tolyl] phosphorothioate

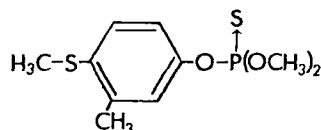
Mol. Wt. 278

Use Insectic.

LD₅₀ 215

	A	B	C	D	E	F
1	C		II		9,4	j, o
2	AL	69	52/6	1231	4	aou
3	AJ	66	14/6	619	2	aj
4	AJ	68	16/3	399	4	ao
5	AD	71	6/1	55	4	x
6	AG	67	1/8	639	2,4	t

Ref.



3527 FENTIN ACETATE (Brestan) $C_{20}H_{18}O_2Sn$ Triphenyltin acetate

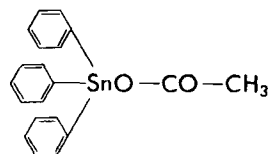
Mol. Wt. 409

Use Fungic., Algic. & Molluscic.

LD₅₀ 140-491

	A	B	C	D	E	F
1	WC	72	78/1	41	15	a
2	BF	70	17/11	1059	15	t
3	WB	74	71/1	192	14	af
4	AE	-	66-750032	-	10	c
5	4E				15	aef
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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3540 FENTIN HYDROXIDE
(Buter)

$C_{18}H_{15}OSn$ Triphenyltin hydroxide

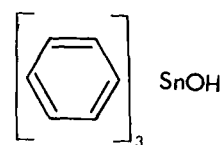
Mol. Wt. 367

Use Fungic.

LD₅₀ 500

	A	B	C	D	E	F
1	C		II		12	jh
2	8I				12	fgu
3						
4						
5						
6						

Ref.



3600 FERBAM

$C_9H_{18}N_3S_6Fe$ Ferric dimethyldithiocarbamate

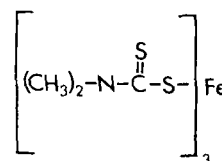
Mol. Wt. 416.5

Use Fungic.

LD₅₀ 4,000

	A	B	C	D	E	F
1	C		II		12	a
2	AL	69	52/6	1276	4	a
3	AL	69	52/1	249	12	x
4	WD	64	14	348	10	x
5	BE	71	2/6	249	12	x
6	GF	71	14	707	12	a

Ref.



0407 FLUCHLORALIN (Basalin)

$C_{12}H_{13}ClF_3N_3O_4$ N-Propyl-N-(2-chloroethyl)-α,α,α-trifluoro-2,6-dinitro-p-toluidine

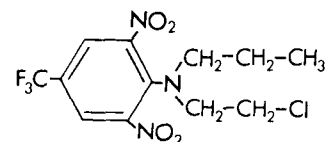
Mol. Wt. 356

Use Herbic.

LD₅₀ 1,550

	A	B	C	D	E	F
1	1Q				1,2	agtu
2						
3						
4						
5						
6						

Ref.



3620 FLUOMETURON (Cotoran)

$C_{10}H_{11}F_3N_2O$ 1,1-Dimethyl-3-(α,α,α-trifluoro-m-tolyl)urea

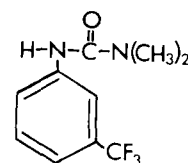
Mol. Wt. 232

Use Herbic.

LD₅₀ 11,100

	A	B	C	D	E	F
1	C		II		12	gi
2	WD	69	44	419	11	u
3	AJ	69	17	1409	10	w
4	BH	71	11	111	12	u
5	WD	68	36	234	2	x
6						

Ref.



3623 FLUORIDAMID (Sustar 2-S)

$C_{10}H_{11}N_2O_3F_3$ N-4-Methyl-3-[[[(1,1,1-trifluoromethyl)=sulfonyl]amino]phenyl]acetamide

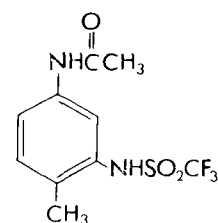
Mol. Wt. 264

Use Plant Growth Regulator

LD₅₀ 9,230

	A	B	C	D	E	F
1	4Z				2	u
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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3630 FLURECOL-n BUTYL ESTER (Florencol) $C_{18}H_{18}O_3$ n-Butyl 9-hydroxyfluorene-(9)-carboxylate

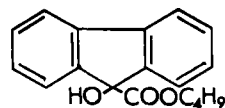
Mol. Wt. 282

Use Herbic.

LD₅₀ 5,000

	A	B	C	D	E	F
1	WD	68	36/3	318	11	x
2	AX	72	6	157	21	act u
3						
4						
5						
6						

Ref.



3640 FOLEX (Merphos) $C_{12}H_{27}PS_3$ Tributyl Phosphorotrithioite

Mol. Wt. 298.5

Use Defoliant

LD₅₀ 1,270

	A	B	C	D	E	F
1	AL	70	53/3	499	4	x
2	AL	71	54/2	359	2,9	x
3	5M				6	g
4						
5						
6						

Ref.



3660 FOLPET (Phaltan) $C_9H_4Cl_3NO_2S$ N-(Trichloromethylthio) phthalimide

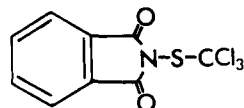
Mol. Wt. 297

Use Fungic.

LD₅₀ 10,000

	A	B	C	D	E	F
1	C		II		12	d,e
2	AL	70	53	154	2	a
3	BA	72	97	713	2	e
4						
5						
6						

Ref.



2910 FONOFOS (Dyfonate) $C_{10}H_{15}OPS_2$ O-Ethyl S-phenyl ethylphosphonodithioate

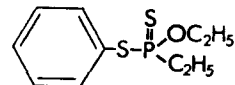
Mol. Wt. 246

Use Insectic.

LD₅₀ 8-16

	A	B	C	D	E	F
1	C		II		9,11	a
2	AL	71	54	1086	4	o
3						
4						
5						
6						

Ref.



3680 FORMETANATE HYDROCHLORIDE (Carzol SP) $C_{11}H_{15}N_3O_2 \cdot HCl$ m[(Dimethylamino)methyl]ene[amino]phenyl methyl carbamate hydrochloride

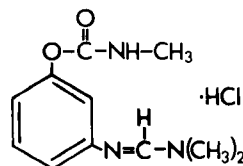
Mol. Wt. 258

Use Acaric. & Insectic.

LD₅₀ 20

	A	B	C	D	E	F
1	C		II		2,11	e
2	GA				2,12	a
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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3722 FORMOTHION (Anthio) $C_6H_{12}NO_4PS_2$ O,O-Dimethyl S-(N-methyl-N-formyl=carbamoyl-methyl)phosphorodithioate

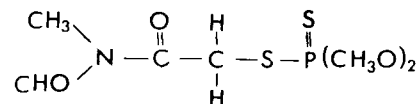
Mol. Wt. 257

Use Insectic.

LD₅₀ 365

	A	B	C	D	E	F
1	7M				3,9	aeu
2						
3						
4						
5						
6						

Ref.



3790 GIBBERELIC ACID $C_{19}H_{22}O_6$ Gibb-3-ene-1,10-dicarboxylic acid, 2,4a,7-trihydroxy-1-methyl-8-methylene-1,4a-lactone

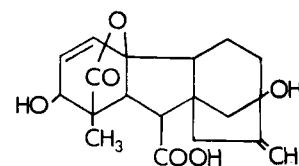
Mol. Wt. 346

Use Plant Growth Regulator

LD₅₀ --- (relativ. non-toxic)

	A	B	C	D	E	F
1	C		II		1,14	de
2	AF	71	32/4	2001B	2	a
3	AC	67	5	413	20	-
4						
5						
6						

Ref.



3801 GLYPHOSATE (Roundup) $C_3H_8NO_5P$ N-(Phosphonomethyl)glycine

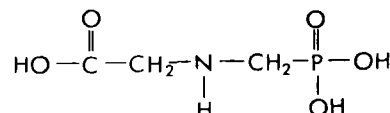
Mol. Wt. 169

Use Herbic.

LD₅₀ 4,320

	A	B	C	D	E	F
1	5Q				4	b,c
2						
3						
4						
5						
6						

Ref.



3860 HEPTACHLOR $C_{10}H_5Cl_7$ 1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene

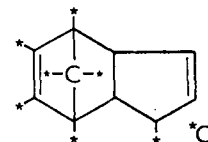
Mol. Wt. 373

Use Insectic.

LD₅₀ 90

	A	B	C	D	E	F
1	A				2	3lt
2	C		I		2	uv
3	C		II		12	aou
4	AL	69	52	1220	2	adf
5	AL	74	57	585	2	b,c
6					2	ktu

Ref.



3880 HEPTACHLOR EPOXIDE $C_{10}H_5Cl_7O$ 1,4,5,6,7,8,8-Heptachloro-2,3-epoxy-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene

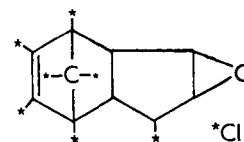
Mol. Wt. 389

Use Derivative of heptachlor

LD₅₀ 40-60

	A	B	C	D	E	F
1						
2			See 3860			
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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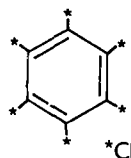
3920 HEXACHLOROBENZENE (HCB) C_6Cl_6 Hexachlorobenzene

Mol. Wt. 285

Use Fungic.

LD₅₀ ---

	A	B	C	D	E	F
1	A		5, a, (1) & 12F		2	j
2	C		II		6	a
3	AL	72	55	806	2	o, p
4	AL	74	57	580	2	j
5	AG	74	8	584	2	v
6						



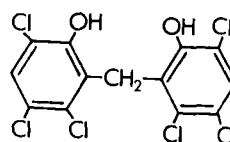
3940 HEXACHLOROPHENE (Nabac) $C_{13}H_6Cl_6O_2$ 2,2'-Methylene bis(3,4,6-trichlorophenol)

Mol. Wt. 407

Use Fungic., Bacteric. & Acaric.

LD₅₀ 300

	A	B	C	D	E	F
1	AS	69	58	251	2	1
2	AL	70	53	522	2	c
3	AD	73	10	57	2	j
4						
5						
6						



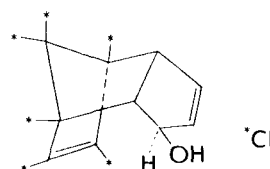
3960 1-HYDROXYCHLORDENE $C_{10}H_6Cl_6O$ 1-exo, Hydroxy-4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene

Mol. Wt. 355

Use Heptachlor derivative

LD₅₀ 2,400

	A	B	C	D	E	F
1	A		4, A		2	x
2	C		II		2	a
3	AJ	72	20	328	2	aku
4						
5						
6						



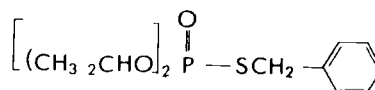
4011 IBP (Kitazin) $C_{13}H_{21}O_3PS$ 0,0-Diisopropyl S-benzyl thiophosphate

Mol. Wt. 288

Use Fungic.

LD₅₀ 660 (mice)

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						



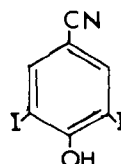
4040 IOXYNIL (Actril) $C_7H_3I_2NO$ 4-Hydroxy-3,5-diiodobenzonitrile

Mol. Wt. 371

Use Herbic.

LD₅₀ 110

	A	B	C	D	E	F
1	AC	67	5	423	20	---
2	AL	65	48/6	1173	2	x
3	AM	68	6/1	9	2,3	x
4						
5						
6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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4070 ISOPROPALIN (Paarlán) $C_{15}H_{23}N_2O_4$ 2,6-Dinitro-N,N-dipropylcumidine

Mol. Wt. 309

Use Herbic.

LD₅₀ 5,000+

	A	B	C	D	E	F
1	AL	74	57/3	645	3,12	w
2	3E				2,11	a,u
3						
4						
5						
6						

Ref.



6420 KARBUTILATE (Tandex) $C_{14}H_{21}N_2O_3$ *m*-(3,3-dimethylureido)=phenyl *tert*-butylcarbamate

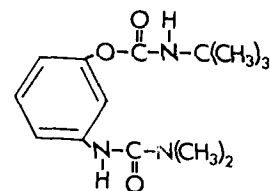
Mol. Wt. 279

Use Herbic.

LD₅₀ 3,000

	A	B	C	D	E	F
1	3Q				16	tu
2						
3						
4						
5						
6						

Ref.



4166 LAMPRECID (TFN) $C_7H_3NO_3F_3Na$ 3-Trifluoromethyl-4-nitrophenol, sodium salt

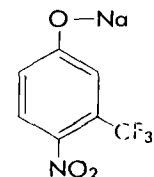
Mol. Wt. 229

Use Lamprey killer

LD₅₀ 370-440

	A	B	C	D	E	F
1	AL	74	57/2	387	2	k
2						
3						
4						
5						
6						

Ref.



4180 LEAD ARSENATE $PbHAsO_4$ Acid lead arsenate

Mol. Wt. 347

Use Insectic.

LD₅₀ 100

	A	B	C	D	E	F
1	8		25,000-.017		12	x
2						
3						
4						
5						
6						

Ref.

4185 LENACIL (Venzar) $C_{13}H_{18}N_2O_2$ 3-Cyclohexyl-6,7-dihydro-1H-cyclopentapyrimidine-2,4(3H,5H)-dione

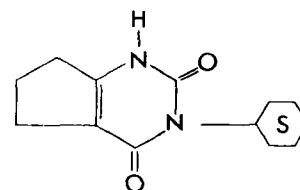
Mol. Wt. 234

Use Herbic.

LD₅₀ 11,000

	A	B	C	D	E	F
1	8C	66	17/3	121	3	af
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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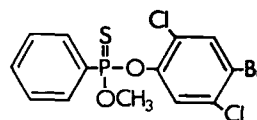
4190 LEPTOPHOS (Phosvel) $C_{13}H_{10}BrCl_2O_2PS$ O-(4-Bromo-2,5-dichlorophenyl)
O-methyl phenylphosphonothioate

Mol. Wt. 412

Use Insectic.

LD₅₀ 53

		A	B	C	D	E	F
Ref.	1	AL	74	57/5	1056	4	g
	2	AL	74	57/1	182	4	d
	3	AJ	75	23/1	90	4	ad
	4	AJ	74	22/4	704	10, 11, 17	d,e
	5						
	6						



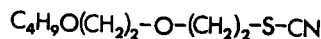
4220 LETHANE 384 $C_9H_{17}NO_2S$ 8-Butoxy-8'-thiocyanodiethyl ether

Mol. Wt. 203

Use Insectic.

LD₅₀ 90

		A	B	C	D	E	F
Ref.	1	AJ	61	6	478	12	jo
	2						
	3						
	4						
	5						
	6						



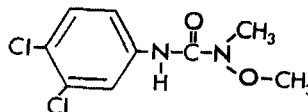
4240 LINURON (Lorox) $C_9H_{10}Cl_2N_2O_2$ 3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea

Mol. Wt. 249

Use Herbic.

LD₅₀ 1,500

		A	B	C	D	E	F
Ref.	1	C		II		12	x
	2	AL	66	49	452	11,12	t
	3	AD	67	2	75	12	u
	4	AJ	69	17	1409	4	x
	5	WD	71	57	303	12	tu
	6	AC	67	5	433	20	---



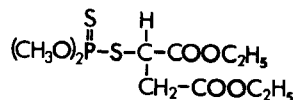
4260 MALATHION $C_{10}H_{19}O_6PS_2$ Diethyl mercaptosuccinate,
s-ester with O,O-dimethyl phosphorodithioate

Mol. Wt. 330

Use Insectic.

LD₅₀ 1,000-1,375

		A	B	C	D	E	F
Ref.	1	C		II		12	de
	2	AL	74	57	1033	4	t
	3	AL	71	54	513	4	a
	4	AJ	68	16	361	4	ajo
	5	AL	67	50	581	3	o
	6	AD	68	3	247	2	acj tu



4300 MANEB $(C_4H_6MnN_2S_4)_x$ Manganous ethylene-
bis(dithiocarbamate)
(Polymeric)

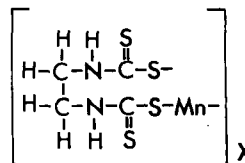
Mol. Wt. *265

Use Fungic.

LD₅₀ 6,750

*Unit mol. wt.

		A	B	C	D	E	F
Ref.	1	C		II		12	a
	2	AL	69	52	1226	4	d,e
	3	AL	71	54/6	1373	3	a,b
	4						
	5						
	6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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4340 MCPA

$C_9H_9ClO_3$ (4-Chloro-2-methylphenoxy)-acetic acid

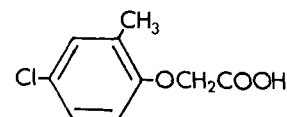
Mol. Wt. 201

Use Herbic.

LD₅₀ 700

	A	B	C	D	E	F
1	AL	69	52	187	2	t
2	WD	71	57	303	11	tu
3	AC	67	5	439	20	-
4						
5						
6						

Ref.



4360 MCPA, ISOOCYL ESTER

$C_{17}H_{25}ClO_3$ Isooctyl (4-chloro-2-methylphenoxy)acetate

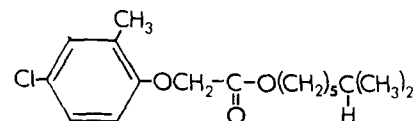
Mol. Wt. 313

Use Herbic.

LD₅₀ 700

	A	B	C	D	E	F
1			See 4340			
2						
3						
4						
5						
6						

Ref.



4380 MCPB

$C_{11}H_{13}ClO_3$ 4-(4-Chloro-2-methylphenoxy)butyric acid

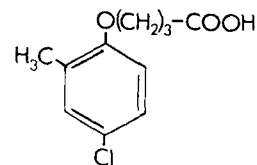
Mol. Wt. 229

Use Herbic.

LD₅₀ 700

	A	B	C	D	E	F
1	AL	64	47	348	2	d
2	WD	71	57	303	11	tu
3	GD	70	66	393	2	a
4						
5						
6						

Ref.



4400 MCPP

$C_{10}H_{11}ClO_3$ 2-(4-Chloro-2-methylphenoxy)propionic acid

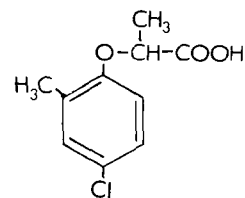
Mol. Wt. 215

Use Herbic.

LD₅₀ 650

	A	B	C	D	E	F
1	WD	71	57	303	11	tu
2	AJ	71	19	1181	11	abg
3						
4						
5						
6						

Ref.



4420 MCPP, ISOOCYL ESTER

$C_{18}H_{27}ClO_3$ Isooctyl 2-(4-chloro-2-methylphenoxy)propionate

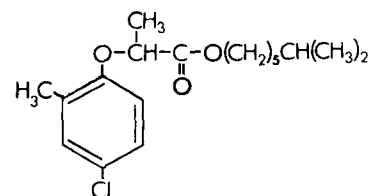
Mol. Wt. 327

Use Herbic.

LD₅₀ ca. 650

	A	B	C	D	E	F
1			See 4400			
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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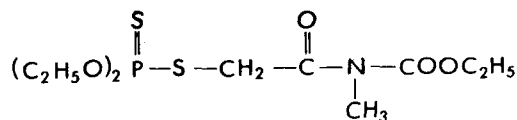
4441 MECARBAM (MC-474)

$C_{10}H_{20}NO_5PS$ S-[N-Ethoxycarbonyl-N-methyl=carbamoylmethyl] 0,0-diethyl phosphorodithioate

Mol. Wt. 297
Use Insectic. & Acaric.
LD₅₀ 36

	A	B	C	D	E	F
1	BA	69	94/1117	275	4,11	t
2						
3						
4						
5						
6						

Ref.



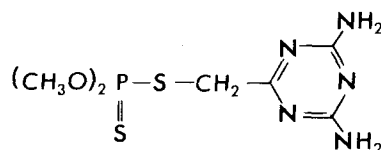
4453 MENAZON (Azidithion)

$C_6H_{12}N_4O_5PS_2$ S-[(4,6-Diamino-1,3,5-triazin-2-yl)methyl] 0,0-dimethyl phosphorodithioate

Mol. Wt. 281
Use Aphicide
LD₅₀ 1,950 (female rats)

	A	B	C	D	E	F
1	AC	73	7	317	20	--
2	AD	73	10/5	285	3	x
3	BA	69	94/1117	275	4,11	t
4						
5						
6						

Ref.



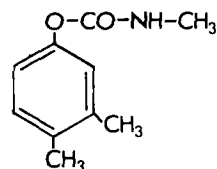
4460 MEOBAL

$C_{10}H_{13}NO_2$ 3,4-Xylyl methylcarbamate

Mol. Wt. 179
Use Insectic.
LD₅₀ 290-380

	A	B	C	D	E	F
1	AJ	73	21	178	11, 12	x
2						
3	JB	70	35	72	2	c
4						
5						
6						

Ref.



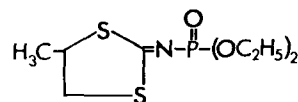
1630 MEPHOSFOLAN (Cytrolane)

$C_8H_{16}NO_3PS_2$ P,P-Diethyl cyclic propylene ester of phosphonodithioimidocarbonic acid

Mol. Wt. 269
Use Insectic.
LD₅₀ 8.9

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



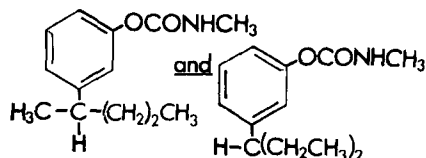
0960 METALKAMATE (Bux)

$C_{13}H_{19}NO_2$ Mixture of m-(1-ethylpropyl)=phenyl methylcarbamate and m-(1-methylbutyl) phenyl methylcarbamate (ratio of 1:3)

Mol. Wt. 205
Use Insectic.
LD₅₀ 170

	A	B	C	D	E	F
1	C		II		11, 17	c
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6220 METHAM (SMDC) $C_2H_4NS_2Na$ Sodium N-methyldithiocarbamate

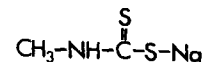
Mol. Wt. 129

Use Soil Fumigant

LD₅₀ 820

	A	B	C	D	E	F
1	7Z				18	w
2						
3						
4						
5						
6						

Ref.



4750 METHAMIDOPHOS (Monitor) $C_2H_8NO_2PS$ O,S-Dimethyl phosphor=amidothioate

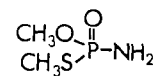
Mol. Wt. 141

Use Insectic.

LD₅₀ 18,9-21

	A	B	C	D	E	F
1	AL	71	54/6	1396	9	afd
2	AJ	73	21/1	143	4	d
3	GH	--	24/2	252	3	a
4						
5						
6						

Ref.



4490 METHANEARSONIC ACID (MAA) CH_3AsO_3 Methyl arsonic acid

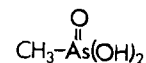
Mol. Wt. 140

Use Herbic.

LD₅₀ 1,300

	A	B	C	D	E	F
1	B		25,011-		12	g
2			.017			
3						
4						
5						
6						

Ref.



4496 METHAZOLE (Probe) $C_9H_6Cl_2N_2O_3$ 2-(3,4-Dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione

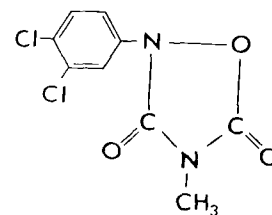
Mol. Wt. 261

Use Herbic.

LD₅₀ 1,350

	A	B	C	D	E	F
1	9A				2,16	g,u
2						
3						
4						
5						
6						

Ref.



6340 METHIDATHION (Supracide) $C_6H_{11}N_2O_4PS_3$ S-[(2-methoxy-5-oxo-Δ²-1,3,4-thiadiazolin-4-yl)=methyl] O,O-dimethyl phosphorodithioate

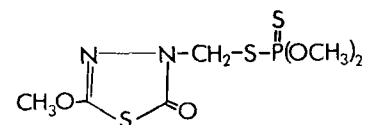
Mol. Wt. 302

Use Insectic.

LD₅₀ 25-48

	A	B	C	D	E	F
1	AJ	69	17	565	6	b
2	AJ	70	18	164	4	c,p
3						
4						
5						
6						

Ref.

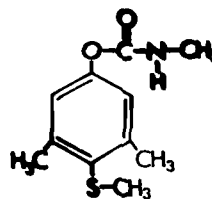


Code	Common Name	Emp. Form.	Chemical Name	Structure
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4500 METHIOCARB (Mesuro1) $C_{11}H_{15}NO_2S$ 4-(Methylthio)-3,5-xylol N-methylcarbamate

Mol. Wt. 225
Use Acaric. & Insectic.
LD₅₀ 130-135

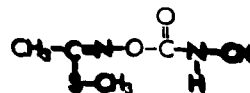
		A	B	C	D	E	F
Ref.	1	AL	74	57/4	570	3	d
	2	AJ	72	20/2	443	2,3	x
	3	AB	72	44/12	2046	11,4	tu
	4	AL	69	52/5	1054	4	ad
	5	WD	70	49/2	215	2	adet
	6	AL	73	56/3	713	2	a



4520 METHOMYL (Lannate) $C_5H_{10}N_2O_2S$ S-Methyl N-[(methylcarbamoyl)oxy] thioacetimidate

Mol. Wt. 162
Use Insectic. & Nematoc.
LD₅₀ 17-24

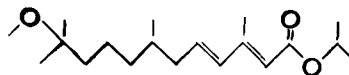
		A	B	C	D	E	F
Ref.	1	C		II		6	a,d
	2	AJ	68	16	554	6	a
	3	AJ	74	22	76	4	atu
	4	JI	72	28	22	4	f
	5						
	6						



4531 METHOPRENE (Altosid) $C_{19}H_{34}O$ Isopropyl (2E,4E)-11-methoxy-3,4,11-trimethyl-2,4-dodecadienoate

Mol. Wt. 310
Use Insect Growth Regulator
LD₅₀ 34,600+

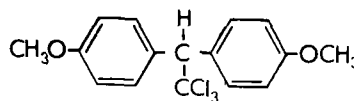
		A	B	C	D	E	F
Ref.	1	AP	73	66/3	707	3	x
	2	AL	75	58/1	10	3,5	jko
	3	AJ	74	22/4	582	3	tu
	4						x
	5						
	6						



4540 METHOXYCHLOR (Mariate) $C_{16}H_{15}Cl_3O_2$ 2,2-Bis(p-methoxyphenyl)-1,1,1-trichloroethane

Mol. Wt. 346
Use Insectic.
LD₅₀ 6,000

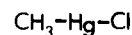
		A	B	C	D	E	F
Ref.	1	B		24,128-152		12	e
	2	BA	69	94	900	2	u
	3	AL	69	52	1280	2	a
	4	AL	72	55	32	2	k
	5	AL	72	55	1058	2	k
	6						



4560 METHYLMERCURIC CHLORIDE CH_3HgCl Methylmercury chloride

Mol. Wt. 251
Use Fungic.
LD₅₀ 30-35

		A	B	C	D	E	F
Ref.	1	A		13,A		2	ijklm
	2	A		13,B		13	t
	3	AB	71	43	950	10	k
	4	WD	74	97	65	2	l
	5	CA	70	50	597	13	cu
	6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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4572 METHYLMERCURIC IODIDE CH_3HgI Methylmercury iodide

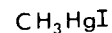
Mol. Wt. 342.5

Use Reagent in Hg method

LD₅₀ ---

	A	B	C	D	E	F
1						
2						
3			See 4560			
4						
5						
6						

Ref.



4631 METOXURON (Dosanex) $\text{C}_{10}\text{H}_{13}\text{ClN}_2\text{O}_2$ 3-(3-Chloro-4-methoxyphenyl)-1,1-dimethylurea

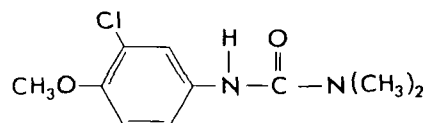
Mol. Wt. 289

Use Herbic.

LD₅₀ 3,200

	A	B	C	D	E	F
1	7M				12	abc fu
2						
3						
4						
5						
6						

Ref.



4640 MEVINPHOS (Phosdrin) $\text{C}_7\text{H}_{13}\text{O}_6\text{P}$ Methyl 3-hydroxy- α -crotonate, dimethyl phosphate

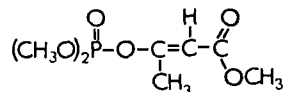
Mol. Wt. 224

Use Insectic.

LD₅₀ 7

	A	B	C	D	E	F
1	B		24,174-180		17	d,e
2	AJ	70	18	401	3	a
3	BA	67	92	578	12	v
4	BA	68	93	691	11	a,f
5						
6						

Ref.



7080 MEXACARBATE (Zectran) $\text{C}_{12}\text{H}_{18}\text{N}_2\text{O}_2$ 4-Dimethylamino-3,5-xylol methylcarbamate

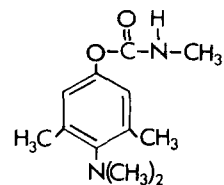
Mol. Wt. 222

Use Insectic.

LD₅₀ 15-63

	A	B	C	D	E	F
1	ZD	69	26	63	1,6	a
2	AJ	69	17	56	2	a
3	AL	74	57/3	570	3	a
4						
5						
6						

Ref.



4280 MH (Maleic Hydrazide) $\text{C}_4\text{H}_4\text{N}_2\text{O}_2$ 6-Hydroxy-3-(2H)-pyridazinone

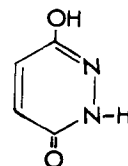
Mol. Wt. 112

Use Herbic. & Growth Regulator

LD₅₀ 2,340-6,950

	A	B	C	D	E	F
1	B		24,141-147		12	f
2	AL	73	56	1164	11	af
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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4720 MIREX (Dechlorane) $C_{10}Cl_{12}$ Dodecachlorooctahydro-1,3,4-metheno-2H-cyclobuta[cd]pentalene

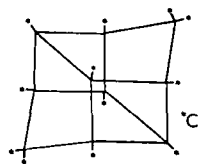
Mol. Wt. 546

Use Insectic.

LD₅₀ 306

	A	B	C	D	E	F
1	C		11		6	ajo
2	A		10, A		2	t
3	AL	63	46	884	10	a
4	AL	75	58/3	557	2	j
5	AJ	73	21/6	1099	1	x
6	AL	73	56/3	721	2	a, e

Ref.



4740 MOLINATE (Ordram) $C_9H_{17}NO_3S$ S-Ethyl hexahydro-1H-azepine-1-carbothioate

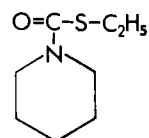
Mol. Wt. 187

Use Herbic.

LD₅₀ 660

	A	B	C	D	E	F
1	C		11		6	ct
2	AJ	68	16	839	2	t
3	AC	67	5	469	20	--
4						
5						
6						

Ref.



4747 MONALIDE (Potablan) $C_{13}H_{18}ClNO$ N-(4-Chlorophenyl)-2,2-dimethylpentanamide

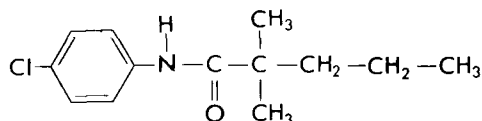
Mol. Wt. 239.5

Use Herbic.

LD₅₀ 4,000

	A	B	C	D	E	F
1	7Q				2	a
2						
3						
4						
5						
6						

Ref.



0360 MONOCROTOPHOS (Azodrin) $C_7H_{14}NO_5P$ Dimethyl phosphate of 3-hydroxy-N-methyl-*cis*-crotonamide

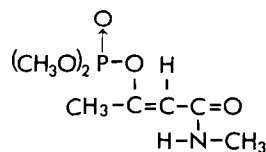
Mol. Wt. 223

Use Insectic.

LD₅₀ 21

	A	B	C	D	E	F
1	AJ	67	15/3	465	4	a
2	AJ	68	16/6	899	3	a
3	AD	74	11/5	434	4	a
4	AJ	66	14/2	145	16	a
5	AC	67	5	193	12	x
6	BA	73	98	194	21	a

Ref.



4751 MONOLINURON (Aresin) $C_9H_{11}ClNO_2$ 3-(p-Chlorophenyl)-1-methoxy-1-methylurea

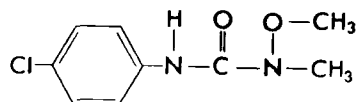
Mol. Wt. 201

Use Herbic.

LD₅₀ 2,250

	A	B	C	D	E	F
1	GE	71	256/3	194	9, 15	x
2	WD	71	63/2	364	1, 2	x
3	WD	69	44/2	419	10, 11	x
4	WD	67	27/1	296	11	au
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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4760 MONURON

$C_9H_{11}ClN_2O$ 3-(p-Chlorophenyl)-1,1-dimethylurea

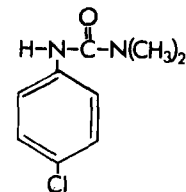
Mol. Wt. 199

Use Herbic.

LD₅₀ 3,600

	A	B	C	D	E	F
1	C		II		11,12	dei
2	AL	66	49	452	11,12	t
3	WD	71	57	303	11	tu
4	WD	69	44	419	10,11	u
5	AL	62	45/2	377	12	a
6						

Ref.



4780 MONURON-TCA (Urox)

$C_{11}H_{12}Cl_4N_2O_3$ 3-(p-Chlorophenyl)-1,1-dimethylurea trichloroacetate

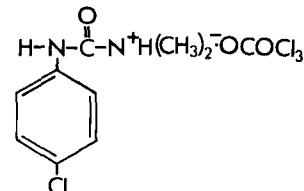
Mol. Wt. 362

Use Herbic.

LD₅₀ 2,300

	A	B	C	D	E	F
1						
2						
3			See 4760			
4						
5						
6						

Ref.



4803 MORPHOTHION (Ekatim M)

$C_6H_{15}O_4PS_3$ O,O-Dimethyl S-(morpholinocarbonylmethyl)phosphorodithioate

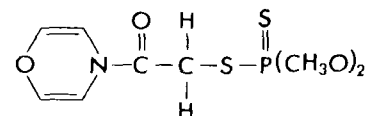
Mol. Wt. 246

Use Insectic.

LD₅₀ 100-120

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



4820 MSMA (Bueno)

CH_3AsNaO_3 Monosodium acid methanearsonate

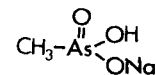
Mol. Wt. 162

Use Herbic.

LD₅₀ 700

	A	B	C	D	E	F
1	ZJ	71	19	412	12	a
2	ZF	69	33/2	279	21	abu
3	ZB	69	22	51	21	ag
4	AJ	71	19/4	412	12	a
5						
6						

Ref.



4860 NALED (Dibrom)

$C_4H_7Br_2Cl_2O_4P$ 1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate

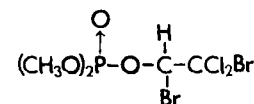
Mol. Wt. 381

Use Insectic.

LD₅₀ 430

	A	B	C	D	E	F
1	C		II		6	ade
2	AL	65	48	748	6	de
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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4880 NAPHTHALENE ACETAMIDE $C_{12}H_{11}NO$ 1-Naphthalene-acetamide

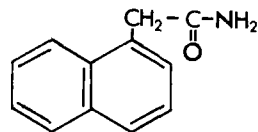
Mol. Wt. 185

Use Growth Regulant

LD₅₀ 1,000

	A	B	C	D	E	F
1	AC	67	5	455	10, 12	a
2						
3						
4						
5						
6						

Ref.



4900 NAA (Naphthalene Acetic Acid) $C_{12}H_{10}O_2$ 1-Naphthalene acetic acid

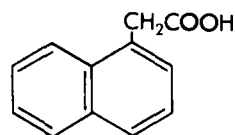
Mol. Wt. 186

Use Growth Regulant

LD₅₀ 1,000

	A	B	C	D	E	F
1	C		II		2, 12	e
2	AL	64	47	348	2	e
3	AJ	64	12	59	12	g
4	AL	71	54	327	14	e
5	AC	67	5	455	20	--
6						

Ref.



4925 1-NAPHTHOL $C_{10}H_8O$ 1-Naphthol

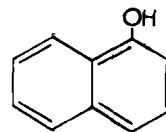
Mol. Wt. 144

Use Derivative of Carbaryl

LD₅₀ 2,590

	A	B	C	D	E	F
1	A		7A		2	m
2	AD	71	6	34	2	m
3	AL	70	53	495	2	jo
4						
5						
6						

Ref.



2010 NAPROPAMIDE (Devrinol) $C_{17}H_{21}NO_2$ 2-(α-Naphthoxy)-N,N-diethylpropionamide

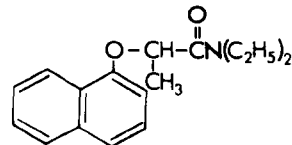
Mol. Wt. 271

Use Herbic.

LD₅₀ 5,000

	A	B	C	D	E	F
1	AE	--	82-84523 B	-	10	au
2	7Z				1	aju
3						
4						
5						
6						

Ref.



4920 NAPHTALAM, SODIUM SALT $C_{18}H_{12}NO_3Na$ Sodium N-1-naphthyl-phthalamate

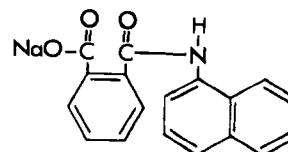
Mol. Wt. 313

Use Herbic.

LD₅₀ ca. 177

	A	B	C	D	E	F
1	AB	53	25	1397	12	a
2	AJ	58	6	671	12	a
3	AC	64	4	1	20	--
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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4940 NEBURON

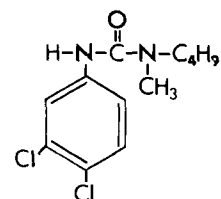
$C_{12}H_{16}Cl_2N_2O$ 1-(n-Buty)-3-(3,4-dichloro-phenyl)-1-methylurea

Mol. Wt. 275

Use Herbic.

LD₅₀ 11,000

	A	B	C	D	E	F
1	WD	69	44	419	2,11	u
2	WD	69	44	60	2	u
3	AL	62	45/2	377	12	a
4	WD	68	36	234	2	x
5						
6						



5020 NITRALIN (Planavin)

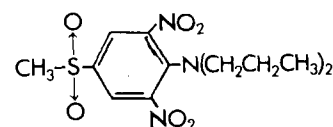
$C_{13}H_{19}N_3O_6S$ 4-(Methylsulfonyl)-2,6-dinitro-N,N-dipropylaniline

Mol. Wt. 345

Use Herbic.

LD₅₀ 2,000+

	A	B	C	D	E	F
1	C		11		2,11	d,9
2	ZB	73	26	390	19	u
3	AL	72	55/5	913	12	w
4	WD	70	53/2	397	11	x
5						
6						



5031 NITRAPYRIN (N-Serve TG)

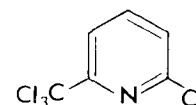
$C_6H_3Cl_4$ 2-Chloro-6-trichloromethylpyridine (and related chlorinated pyridines)

Mol. Wt. 231

Use Nitrogen Stabilizer

LD₅₀ 1,230

	A	B	C	D	E	F
1	2Z				2	acj
2						
3						
4						
5						
6						



5040 NITROFEN (TOK)

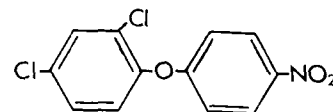
$C_{12}H_7Cl_2NO_3$ 2,4-Dichlorophenyl-p-nitrophenyl ether

Mol. Wt. 284

Use Herbic.

LD₅₀ 3,580

	A	B	C	D	E	F
1	C		II		2,12	af
2						
3						
4						
5						
6						



5060 4-NITROPHENOL (PNP)

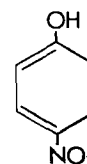
$C_6H_5NO_3$ 4-Nitrophenol

Mol. Wt. 139

Use Parathion Derivative

LD₅₀ 75

	A	B	C	D	E	F
1	A		6, A, (2),		2	m
2	AD	70	5 (b)	329	2	m
3	AJ	71	19	758	2	o
4	AJ	73	21	295	2	m
5	AL	74	57	1288	2	m
6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5080 trans-NONACHLOR

C₁₀H₅Cl₉

1-*exo*, 2-*endo*, 3-*exo*
4,5,6,7,8,8-Nonachloro-
3a,4,7,7a-tetrahydro-4,7-
methanoindane

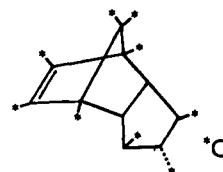
Mol. Wt. 444

Use Compon. of tech.
chlordane

LD₅₀ 500

	A	B	C	D	E	F
1	C		I		2	x
2						
3						
4						
5						
6						

Ref.



5136 NORFLURAZON (Evidal)

C₁₂H₉ClF₃N₃O

4-Chloro-5-(methylamino)-2-
(α,α,α -trifluoro-*m*-tolyl)-
(2H)-pyridazinone

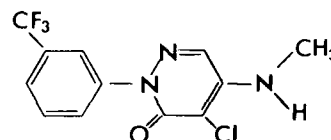
Mol. Wt. 304

Use Herbic.

LD₅₀ 9,300

	A	B	C	D	E	F
1	7M				2	egu
2						
3						
4						
5						
6						

Ref.



5148 ORYZALIN (Surflan)

C₁₂H₁₈N₄O₄S

3,5-Dinitro-N⁴,N⁴-
dipropylsulfanilamide

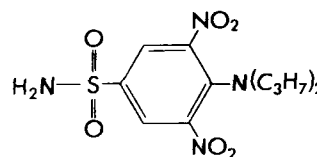
Mol. Wt. 346

Use Herbic.

LD₅₀ 10,000+

	A	B	C	D	E	F
1	3E				2	acu
2						
3						
4						
5						
6						

Ref.



5176 OXADIAZON (Ronstar)

C₁₅H₁₈N₂O₃Cl₂

2-*tert*-Butyl-4-(2,4-
dichloro-5-isopropoxyphenyl)-
 Δ^2 -1,3,4-oxadiazolin-5-one

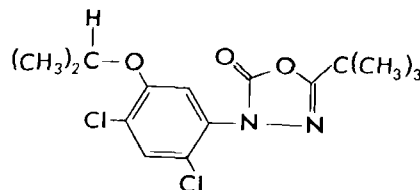
Mol. Wt. 345

Use Herbic.

LD₅₀ 8,000+

	A	B	C	D	E	F
1	7I				2	ajop
2						
3						
4						
5						
6						

Ref.



5186 OXAMYL (Vydate)

C₇H₁₃N₃O₃S

Methyl N¹,N¹-dimethyl-N-
[(methylcarbamoyl)oxy]-1-thio-
oxamimidate

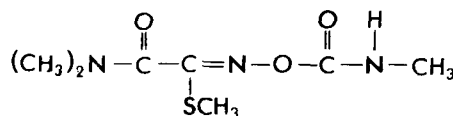
Mol. Wt. 219

Use Nematoc. &
Insectic.

LD₅₀ 5.4

	A	B	C	D	E	F
1	3A				4	a
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5187 OXAMYL OXIME

$C_5H_{10}N_2O_2S$ Methyl N',N'-dimethyl-N-hydroxy-1-thiooxamidate

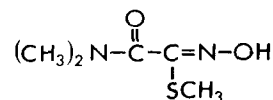
Mol. Wt. 148

Use Oxamyl
Derivative

LD₅₀ ---

	A	B	C	D	E	F
1						
2			See			
3			5186			
4						
5						
6						

Ref.



5200 OXYCHLORDANE

$C_{10}H_4Cl_8O$ 1-*exo*, 2-*endo*, 4,5,6,7,8,8-Octachloro-2,3-*exo*-epoxy-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene

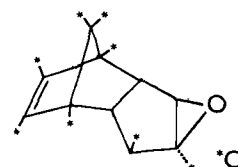
Mol. Wt. 424

Use Metabol. of
chlordane

LD₅₀ 457

	A	B	C	D	E	F
1	AD	70	5	521	20	---
2	AD	73	10/3	208	2	jo
3	AD	71	5/6	521	2,3,6	jou
4	AJ	73	21/6	1099	1	x
5	AJ	72	20/2	395	2	j
6	AD	72	7/1	33	2	x

Ref.



5220 OXYDEMETON METHYL
(Metasystox R)

$C_8H_{15}O_4PS_2$ S-[2-(ethylsulfinyl)ethyl]-0,0-dimethyl phosphorothioate

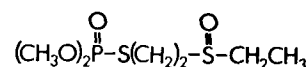
Mol. Wt. 246

Use Insectic.

LD₅₀ 70

	A	B	C	D	E	F
1	AL	69	52/1	157	4	a
2	AD	71	6/1	55	4	x
3	WD	70	48/3	468	7	a
4	BA	69	94/1122	805	11,17	x
5	BA	67	92/1092	170	11	a
6	WD	69	44/2	414	11	x

Ref.



4800 OXYTHIOQUINOX
(Morestan)

$C_{10}H_6N_2O_2S_2$ 6-Methyl-2,3-quinoxalinedithiol cyclic-S, S-dithiocarbonate

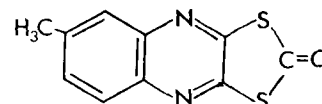
Mol. Wt. 234

Use Mitic.

LD₅₀ 3,000

	A	B	C	D	E	F
1	AL	71	54/5	1122	2	de
2	AC	67	5	277	12	w
3	GH	68	20/2	550	2	de
4	AL	69	52/1	151	11,17	t
5	JC	69	18/11	1344	2	x
6						

Ref.



5240 PARAQUAT DICHLORIDE
(Gramoxone)

$C_{12}H_{14}Cl_2N_2$ 1,1'-Dimethyl-4,4'-bipyridilium dichloride

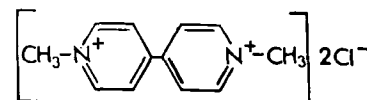
Mol. Wt. 257

Use Herbic.

LD₅₀ 150

	A	B	C	D	E	F
1	C		11		12	fg
2	AJ	74	22	863	3	u
3	AJ	74	22	79	12	tu
4	AL	74	57	202	12	tu
5	AC	67	5	473	20	--
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5245 PARATHION ETHYL $C_{10}H_{14}NO_5PS$ 0,0-Diethyl-0-p-nitro-phenyl phosphorothioate

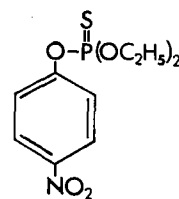
Mol. Wt. 291

Use Insectic.

LD₅₀ 3-30

	A	B	C	D	E	F
1	A		8A, 10A		4	tv
2	C		II		12, 15	adej
3	AL	74	57	930	3, 4	de
4	AL	74	57	1033	4	t
5	AJ	69	17	1066	3	b
6	BA	72	97	378	2	ad

Ref.



4580 PARATHION METHYL $C_8H_{10}NO_5PS$ 0,0-Dimethyl 0-p-nitro-phenyl phosphorothioate

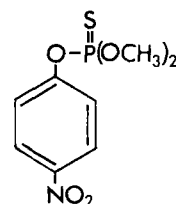
Mol. Wt. 263

Use Insectic.

LD₅₀ 9-25

	A	B	C	D	E	F
1						
2			See 5245			
3						
4						
5						
6						

Ref.



5251 PARINOL (Parnon) $C_{18}H_{13}Cl_2NO$ α,α-Bis(p-chlorophenyl)-3-pyridine methanol

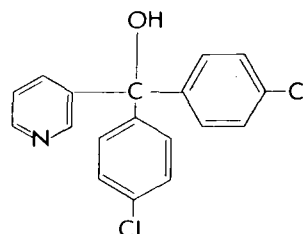
Mol. Wt. 330

Use Fungic.

LD₅₀ 5,000

	A	B	C	D	E	F
1	AL	70	53/4	747	2, 3, 12	aeu
2						
3						
4						
5						
6						

Ref.



5280 PCNB (Quintozene) $C_6Cl_5NO_2$ Pentachloronitrobenzene

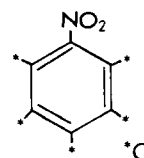
Mol. Wt. 295.5

Use Fungic.

LD₅₀ 12,000

	A	B	C	D	E	F
1	C		II		2, 12, 15	eg
2	AJ	67	15/4	648	2	aefu
3	BA	72	97/1154	378	2	de
4	AL	72	55/4	794	2	c
5	AD	74	11/6	567	2	u
6	WD	74	93/1	91	2	a

Ref.



5260 PCP (Pentachlorophenol) C_6Cl_5OH 2,3,4,5,6-Pentachlorophenol

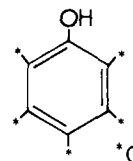
Mol. Wt. 266

Use Herbic., Wood Preservat.

LD₅₀ 125-210

	A	B	C	D	E	F
1	A		5A(3b, 4a)		2	lmt
2	AJ	69	17	871	2	ktu
3	BG	70	4	533	5	jt
4	AD	73	10	57	2	j
5	AL	74	57	389	2	t
6	AC	67	5	313	20	--

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5300 PEBULATE (Tillam)

$C_{10}H_{21}NOS$ S-Propyl butylethyl=thiocarbamate

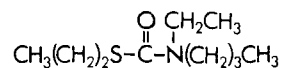
Mol. Wt. 203

Use Herbic.

LD₅₀ 1,100

	A	B	C	D	E	F
1	C		II		6	adf
2						
3						
4						
5						
6						

Ref.



5366 PERFLUIDONE (Destun)

$C_{14}H_{12}NO_4F_3S_2$ 1,1,1-Trifluoro-N-[2-methyl-4-(phenylsulfonyl)phenyl]methane=sulfonamide

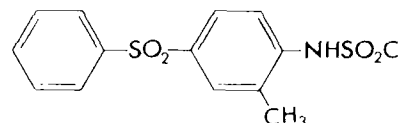
Mol. Wt. 379

Use Herbic.

LD₅₀ 920 (mouse)

	A	B	C	D	E	F
1	4Z				2	gu
2						
3						
4						
5						
6						

Ref.



5380 PERTHANE

$C_{18}H_{20}Cl_2$ 1,1-Dichloro-2,2-bis(p-ethylphenyl)ethane

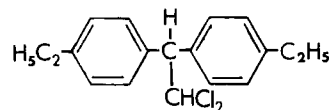
Mol. Wt. 307

Use Insectic.

LD₅₀ 8,170

	A	B	C	D	E	F
1	C		II		1012	ajo
2	AL	72	55	1042	2	a
3	AL	73	56	721	2	o
4	AL	73	56		2	deo
5						
6						

Ref.



5400 PHENCAPTON

$C_{11}H_{15}Cl_2O_2PS$ 0,0-Diethyl-S-(2,5-dichlorophenylthiomethyl) phosphorothiothionate

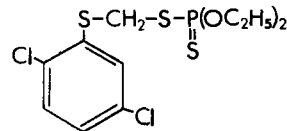
Mol. Wt. 377

Use Acaric.

LD₅₀ 65-182

	A	B	C	D	E	F
1	BA	69	94/1117	275	4	t
2	BA	67	92/1092	170	11	a
3						
4						
5						
6						

Ref.



5410 PHENMEDIPHAM (Betanal)

$C_{16}H_{16}N_2O_4$ Methyl m-hydroxycarbanilate m-methylcarbanilate

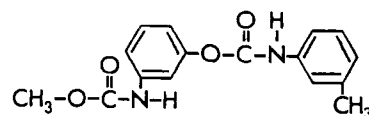
Mol. Wt. 300

Use Herbic.

LD₅₀ 8,000+

	A	B	C	D	E	F
1	BH	70	10/4	340	1012	a
2	7Q				10	f
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5420 PHENTHIAZINE $C_{12}H_9NS$ Dibenzo-1,4-thiazine

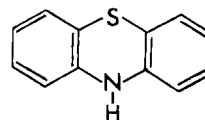
Mol. Wt. 199

Use Insectic.

LD₅₀ 5,000

	A	B	C	D	E	F
1	B		33,086-		12	c
2	AL	69	.092	162	12	a
3			52			
4						
5						
6						

Ref.



5680 PHENYLMERCURIC ACETATE $C_8H_8O_2Hg$ Phenylmercury acetate
(Common name PMA)

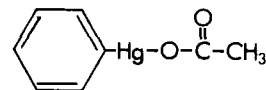
Mol. Wt. 337

Use Fungic.

LD₅₀ 16-60

	A	B	C	D	E	F
1	A		13B		13	t
2	AB	71	43	950		k
3						
4						
5						
6						

Ref.



5460 PHENYLMERCURIC BORATE $C_6H_7BHgO_3$ Phenylmercury borate

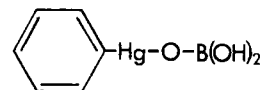
Mol. Wt. 339

Use Fungic.

LD₅₀ L.T.100

	A	B	C	D	E	F
1	A		13B		13	t
2	BA	69	94	143	21	cfj
3	JE	68	14	131	10	a
4						
5						
6						

Ref.



5480 PHENYLMERCURIC CHLORIDE C_6H_5HgCl Phenylmercury chloride

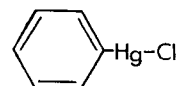
Mol. Wt. 313

Use Fungic.

LD₅₀ 60

	A	B	C	D	E	F
1						
2			See			
3			5680			
4						
5						
6						

Ref.



5485 PHENYLMERCURIC HYDROXIDE C_6H_5HgOH Phenylmercury hydroxide

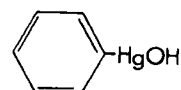
Mol. Wt. 295

Use Fungic.

LD₅₀ L.T.100

	A	B	C	D	E	F
1						
2			See			
3			5680			
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5487 PHENYLMERCURIC IODIDE C_6H_5HgI Phenylmercury iodide

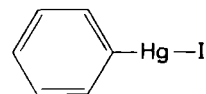
Mol. Wt. 405

Use Reagent in Hg method

LD₅₀ --- (Toxic)

	A	B	C	D	E	F
1						
2			See			
3			5680			
4						
5						
6						

Ref.



5490 PHENYLPHENOL (Dowicide 1) $C_{12}H_{10}O$ o-Phenylphenol

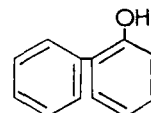
Mol. Wt. 170

Use Acaric. & Fungic.

LD₅₀ 2,480

	A	B	C	D	E	F
1	C		II		12	def
2	BA	70	95	490	12	i
3	AL	71	54	975	11	de
4	AL	73	56	299	12	b
5						
6						

Ref.



5500 PHORATE (Thimet) $C_7H_{17}O_2PS_3$ O,O-Diethyl S-[(ethylthio)methyl]phosphorodithioate

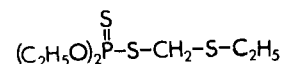
Mol. Wt. 260

Use Insectic.

LD₅₀ 1-5

	A	B	C	D	E	F
1	C		II		3,4	ajo
2	AL	69	52	1231	4	bcon
3	AL	74	57	1033	4	t
4	AD	69	4	224	4	j
5	AJ	67	15	192	2	dc
6	AP	70	63	52	9	u

Ref.



5520 PHOSALONE (Zolone) $C_{12}H_{15}ClNO_4PS_2$ S-[(6-Chloro-2-oxo-3-benzoxazol-1-yl)methyl] O,O-diethyl phosphorodithioate

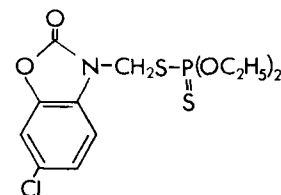
Mol. Wt. 368

Use Insectic.

LD₅₀ 135

	A	B	C	D	E	F
1	C		II		2,3	e
2	AJ	71	19	742	11	e
3					2	
4						
5						
6						

Ref.



1610 PHOSFOLAN (Cyclane) $C_7H_{14}NO_3PS_2$ P,P-Diethyl cyclic ethylene ester of phosphonodithioimidocarbonic acid

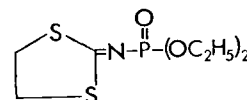
Mol. Wt. 255

Use Insectic.

LD₅₀ 8.9

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



Code Common Name Emp. Form. Chemical Name Structure

4000 PHOSMET (Imidan)

$C_{11}H_{12}NO_4PS_2$ O,O-Dimethyl-S-phthalimido-
dimethyl phosphorodithioate

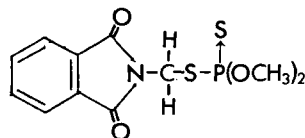
Mol. Wt. 317

Use Insectic.

LD₅₀ 147

	A	B	C	D	E	F
1	C		II		4,12	bej
2	AJ	68	16	796	4	a
3	AL	69	52	522	3	a
4	AL	74	57	1033	4	t
5	AC	67	5	257	20	---
6						

Ref.



5580 PHOSPHAMIDON
(Dimecron)

$C_{10}H_{19}ClNO_5P$ 2-Chloro-N,N-diethyl-3-hydroxy-
crotonamide dimethyl phosphate

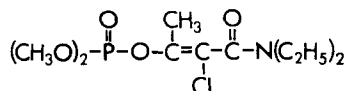
Mol. Wt. 300

Use Insectic.

LD₅₀ 15-33

	A	B	C	D	E	F
1	C		II		12,17	deh
2	ZD	71	37	A11	20	--
3						
4						
5						
6						

Ref.



5600 PICLORAM (Tordon)

$C_6H_3Cl_3N_2O_2$ 4-Amino-3,5,6-trichloropicolinic
acid

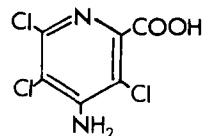
Mol. Wt. 241.5

Use Herbic.

LD₅₀ 8,200

	A	B	C	D	E	F
1	AJ	67	15	469	2	c
2	BA	67	92	371	2	au
3	WD	70	53/2	367	2	b
4	ZA	70	23	323	2	tu
5	AC	67	5	507	20	--
6						

Ref.



5640 PIPERALIN (Pipron)

$C_{16}H_{21}Cl_2NO_2$ 3-(2-Methylpiperidino)propyl-
3,4-dichlorobenzoate

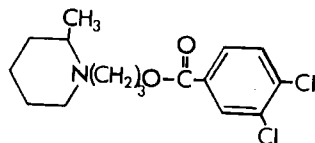
Mol. Wt. 330

Use Fungic.

LD₅₀ 2,500

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



5620 PIPERONYL BUTOXIDE

$C_{19}H_{30}O_5$ α-[2-(butoxyethoxy)ethoxy]-
4,5-methylenedioxy-2-propyl-
toluene

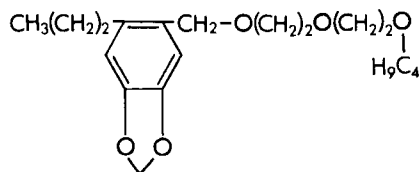
Mol. Wt. 338.5

Use Synergist

LD₅₀ 7,500

	A	B	C	D	E	F
1	C		II		12	c
2	AB	75	47/4	674	3	fo
3	AJ	71	19/1	192	12	c
4	ZC	72	-	293	20	--
5	ZG	69	52	414	10	i
6	D				21	ch

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5632 PIRIMICARB (Pirimor) $C_{11}H_{18}N_4O_2$ 2-(Dimethylamino)-5,6-dimethyl-4-pyrimidinyl dimethylcarbamate

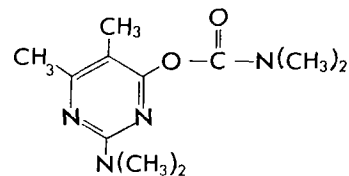
Mol. Wt. 238

Use Aphic.

LD₅₀ 147

	A	B	C	D	E	F
1	4I				9	a
2						
3						
4						
5						
6						

Ref.



5642 PIRIMIPHOS ETHYL (Primicid) $C_{13}H_{24}N_3O_3PS$ O-[2-(Diethylamino)-6-methyl-4-pyrimidinyl] 0,0-diethyl phosphorothioate

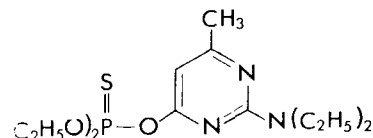
Mol. Wt. 333

Use Insectic.

LD₅₀ 140-200

	A	B	C	D	E	F
1	4I				4,9	au
2						
3						
4						
5						
6						

Ref.



5643 PIRIMIPHOS-METHYL (Actellic) $C_{11}H_{20}N_3O_3PS$ O-[2-(Diethylamino)-6-methyl-4-pyrimidinyl] 0,0-dimethyl phosphorothioate

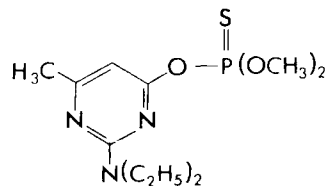
Mol. Wt. 305

Use Insectic.

LD₅₀ 2,050

	A	B	C	D	E	F
1	4I				4,9	ajot
2	ARA	74	11/1	17	10	c
3						
4						
5						
6						

Ref.



POLYCHLORINATED BIPHENYLS

5700 AROCLOR 1016 $C_{12}H_7Cl_3$ Polychlorinated biphenyl with 41.5% Cl

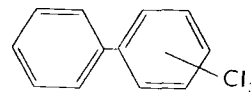
Mol. Wt. 257.5

Use Industrial

LD₅₀ 2,300

	A	B	C	D	E	F
1	AL	74	57	576	2	k
2	AD	71	6	377	2	j
3	AG	70	42	1483	2	t
4	AJ	73	21	87	2	k
5	AD	69	4	128	2	x
6	AL	73	56	188	5	x

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5701 AROCLOR 1221 $C_{12}H_{8.8}Cl_{1.2}$ Polychlorinated biphenyl with 21% Cl

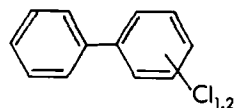
Mol. Wt. 196

Use Industrial

LD₅₀ 3,980 (undiluted)

	A	B	C	D	E	F
1			See 5700			
2						
3						
4						
5						
6						

Ref.



5702 AROCLOR 1232 $C_{12}H_{8.1}Cl_{1.9}$ Polychlorinated biphenyl with 32% Cl

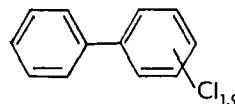
Mol. Wt. 219

Use Industrial

LD₅₀ 4,470 (undiluted)

	A	B	C	D	E	F
1			See 5700			
2						
3						
4						
5						
6						

Ref.



5703 AROCLOR 1242 $C_{12}H_{6.9}Cl_{3.1}$ Polychlorinated biphenyl with 42% Cl

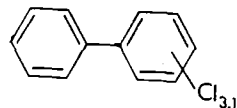
Mol. Wt. 258

Use Industrial

LD₅₀ 8,650 (undiluted)

	A	B	C	D	E	F
1			See 5700			
2						
3						
4						
5						
6						

Ref.



5704 AROCLOR 1248 $C_{12}H_{6.1}Cl_{3.9}$ Polychlorinated biphenyl with 48% Cl

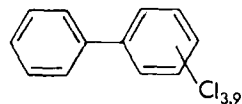
Mol. Wt. 289

Use Industrial

LD₅₀ 11,000 (undiluted)

	A	B	C	D	E	F
1			See 5700			
2						
3						
4						
5						
6						

Ref.



5705 AROCLOR 1254 $C_{12}H_5Cl_5$ Polychlorinated biphenyl with 54% Cl

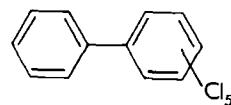
Mol. Wt. 326

Use Industrial

LD₅₀ 11,900 (undiluted)

	A	B	C	D	E	F
1			See 5700			
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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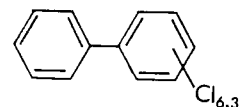
5706	AROCLOR 1260	$C_{12}H_{3.7}Cl_{6.3}$	Polychlorinated biphenyl with 60% Cl	
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Mol. Wt. 371

Use Industrial

LD₅₀ 10,000 (50% sol. in corn oil)

	A	B	C	D	E	F
1						
2						
3			See 5700			
4						
5						
6						



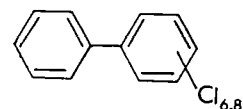
5707	AROCLOR 1262	$C_{12}H_{3.2}Cl_{6.8}$	Polychlorinated biphenyl with 62% Cl	
------	--------------	-------------------------	--------------------------------------	--

Mol. Wt. 388

Use Industrial

LD₅₀ 11,300 (50% sol. in corn oil)

	A	B	C	D	E	F
1						
2						
3			See 5700			
4						
5						
6						



POLYCHLORINATED NAPHTHALENES

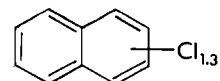
5720	HALOWAX 1000	$C_{10}H_{6.7}Cl_{1.3}$	Polychlorinated naphthalene with 26% Cl	
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Mol. Wt. 171.5

Use Industrial

LD₅₀ ---

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						



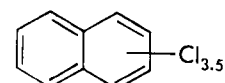
5721	HALOWAX 1001	$C_{10}H_{4.5}Cl_{3.5}$	Polychlorinated naphthalene with 50% Cl	
------	--------------	-------------------------	---	--

Mol. Wt. 249

Use Industrial

LD₅₀ ---

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5722	HALOWAX 1013	$C_{10}H_{3.6}Cl_{4.4}$	Polychlorinated naphthalene with 56% Cl
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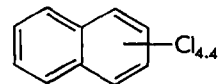
Mol. Wt. 279

Use Industrial

LD₅₀ ---

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



5723	HALOWAX 1014	$C_{10}H_{2.5}Cl_{5.5}$	Polychlorinated naphthalene with 62% Cl
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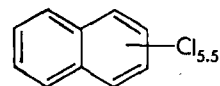
Mol. Wt. 314

Use Industrial

LD₅₀ ---

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



5724	HALOWAX 1051	$C_{10}H_{0.1}Cl_{7.9}$	Polychlorinated naphthalene with 70% Cl
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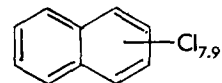
Mol. Wt. 400

Use Industrial

LD₅₀ ---

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



5725	HALOWAX 1099	$C_{10}H_{4.2}Cl_{3.8}$	Polychlorinated naphthalene with 52% Cl
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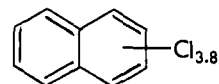
Mol. Wt. 258

Use Industrial

LD₅₀ ---

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5728 POTASSIUM AZIDE KN_3 Potassium azide
(Kazoe), (See 6172- NaN_3)

Mol. Wt. 81.1

Use Herbic., Fungic.,
Nematoc., Insectic.

LD₅₀ 60-80

	A	B	C	D	E	F
1	7A				12	au
2						
3						
4						
5						
6						

Ref.



5731 POTASSIUM DIETHYL DI= $\text{C}_4\text{H}_{10}\text{O}_2\text{PS}_2\text{K}$ Do
THIOPHOSPHATE (KDETP)

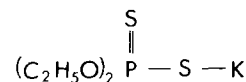
Mol. Wt. 224

Use Organophosphorous
derivative

LD₅₀ ---

	A	B	C	D	E	F
1	A		6, A, (2), (a)		4	m
2						
3						
4						
5						
6						

Ref.



5732 POTASSIUM DIETHYL $\text{C}_4\text{H}_{10}\text{O}_3\text{PSK}$ Do
THIOPHOSPHATE (KDETP)

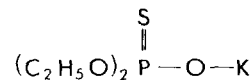
Mol. Wt. 208

Use Organophosphorous
derivative

LD₅₀ ---

	A	B	C	D	E	F
1	A		6, A, (2), (a)		4	m
2						
3						
4						
5						
6						

Ref.



5733 POTASSIUM DIMETHYL DI= $\text{C}_2\text{H}_6\text{PS}_2\text{K}$ Do
THIOPHOSPHATE (KDMTP)

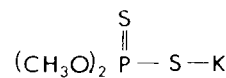
Mol. Wt. 196

Use Organophosphorous
derivative

LD₅₀ ---

	A	B	C	D	E	F
1	A		6, A, (2), (a)		4	m
2						
3						
4						
5						
6						

Ref.



5734 POTASSIUM DIMETHYL $\text{C}_2\text{H}_6\text{O}_3\text{PSK}$ Do
THIOPHOSPHATE (KDMTP)

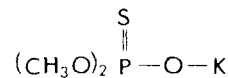
Mol. Wt. 180

Use Organophosphorous
derivative

LD₅₀ ---

	A	B	C	D	E	F
1	A		6, A, (2), (a)		4	m
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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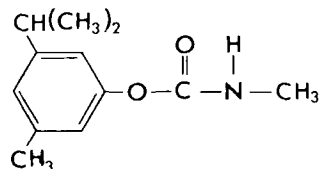
5752 PROMECARB
(Carbamult) $C_{12}H_{17}NO_2$ m-Cym-5ylmethylcarbamate

Mol. Wt. 207

Use Insectic.

LD₅₀ 78-90

		A	B	C	D	E	F
Ref.	1	BE	70	I	197	12	j
	2	AL	74	57/3	570	3	ad
	3	AL	73	56/3	713	2	a
	4	7Q				2	a
	5						
	6						



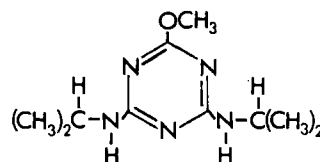
5760 PROMETON (Pramitol) $C_{10}H_{19}N_3O$ 2,4-Bis(isopropylamino)-6-methoxy-s-triazine

Mol. Wt. 225

Use Herbic.

LD₅₀ 2,980

		A	B	C	D	E	F
Ref.	1	AJ	74	22	139	2	f
	2	ZJ	69	17	309	19	d
	3	ZD	70	32	371	20	--
	4						
	5						
	6						



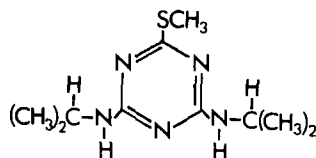
5780 PROMETRYN (Caparol) $C_{10}H_{19}N_3S$ 2,4-Bis(isopropylamino)-6-(methylthio)-s-triazine

Mol. Wt. 241

Use Herbic.

LD₅₀ 3,800

		A	B	C	D	E	F
Ref.	1	C		II		6,12	ajot
	2	AJ	65	13/2	120	10	x
	3						
	4						
	5						
	6						



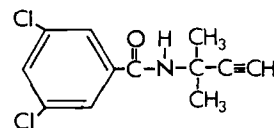
4090 PRONAMIDE (Kerb) $C_{12}H_{11}Cl_2NO$ 3,5-Dichloro-N-(1,1-dimethyl-2-propynyl)benzamide

Mol. Wt. 256

Use Herbic.

LD₅₀ 8,350

		A	B	C	D	E	F
Ref.	1	AL	72	55	802	2	ajo
	2	AJ	72	20	1233	2	pu
	3						jmn
	4						op
	5						
	6						



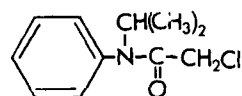
5820 PROPACHLOR (Ramrod) $C_{11}H_{14}ClNO$ 2-Chloro-N-isopropylacetanilide

Mol. Wt. 212

Use Herbic.

LD₅₀ 1,580

		A	B	C	D	E	F
Ref.	1	C		II		3	a
	2						
	3						
	4						
	5						
	6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5840 PROPANIL (Rogue)

$C_9H_9Cl_2NO$ 3,4-Dichloropropanilide

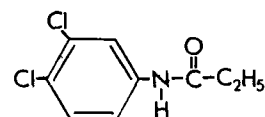
Mol. Wt. 218

Use Herbic.

LD₅₀ 1,384

	A	B	C	D	E	F
1	C		11		2,12	jop
2	AD	65	3	7	2	o
3	ZJ	70	18	464	2	cu
4	RE	73	32	77	11	dk
5						
6						

Ref.



5160 PROPARGITE (Omite)

$C_{19}H_{26}O_4S$ 2-(*p-tert*-Butylphenoxy)cyclohexyl-2-propynyl sulfite

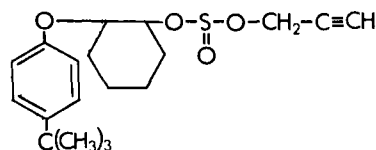
Mol. Wt. 350.5

Use Acaric.

LD₅₀ 2,200

	A	B	C	D	E	F
1	C		11		6	eh
2	AC	73	7	355	20	-
3	AJ	72	20/1	59	4	aeh
4	AJ	71	19/5	894	4	e
5	AD	73	12/6	641	16	e
6						

Ref.



5800 PROPAZINE (Milogard)

$C_9H_{16}ClN_5$ 2-Chloro-4,6-bis(isopropylamino)-s-triazine

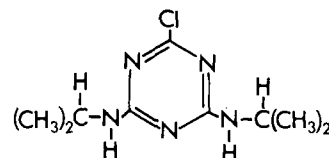
Mol. Wt. 230

Use Herbic.

LD₅₀ 5,000

	A	B	C	D	E	F
1	C		11		12	bc
2	AJ	74	22	139	2	f
3	AJ	65	13	120	21	bc
4						
5						
6						

Ref.



5860 PROPHAM (IPC)

$C_{10}H_{13}NO_2$ Isopropyl N-phenylcarbamate

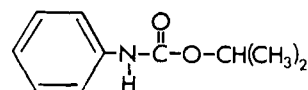
Mol. Wt. 179

Use Herbic.

LD₅₀ 4,250

	A	B	C	D	E	F
1	AJ	69	17	1062	12	a
2	GB	73	9	261	12	a
3						
4						
5						
6						

Ref.



0440 PROPOXUR (Baygon)

$C_{11}H_{15}NO_3$ o-Isopropoxyphenyl N-methylcarbamate

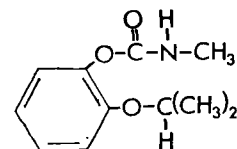
Mol. Wt. 209

Use Insectic.

LD₅₀ 100₃

	A	B	C	D	E	F
1	AL	75	58/3	562	2	aef
2	AJ	72	20/6	1269	2	jo
3	AC	73	7	163	20	-
4	AJ	73	17	56	2	a
5	AL	73	56/6	1319	2	u
6	AJ	72	20/6	1265	2	a

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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5966 QUINALPHOS (Ekalux) $C_{12}H_{15}N_2O_3PS$ O,O-Diethyl O-[quinoxalinylnyl-(2)] thionophosphate

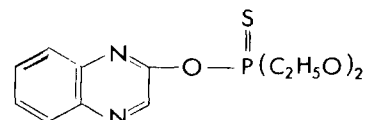
Mol. Wt. 298

Use Insectic.

LD₅₀ 65-135

	A	B	C	D	E	F
1	AD	74	11/2	121	9	ade
2	GI	69	22	218	10	x
3	7M				21	au
4						
5						
6						

Ref.



6055 RESMETHRIN (SBP-1382) $C_{22}H_{26}O_3$ (5-Benzyl-3-furyl)methyl-2,2-dimethyl-3-(2-methyl propenyl) cyclopropane-carboxylate (approx. 70% trans, 30% cis isomers)

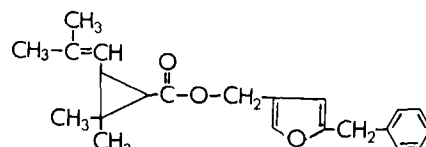
Mol. Wt. 338

Use Insectic.

LD₅₀ ca. 1,500

	A	B	C	D	E	F
1	3Q				8	w
2						
3						
4						
5						
6						

Ref.



5980 RONNEL $C_8H_8Cl_3O_3PS$ O,O-Dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate

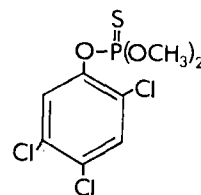
Mol. Wt. 321.5

Use Insectic.

LD₅₀ 1,740

	A	B	C	D	E	F
1	C		I		11	a
2	C		II		12	e
3	A		8B, 10A		4	tv
4	AL	74	57	1033	4	t
5						
6						

Ref.



6000 ROTENONE $C_{23}H_{22}O_6$ 1,2,12,12a, Tetrahydro-2-isopropenyl-8,9-dimethoxy-[1] benzo-pyrano-[3,4-b]furo[2,3-b][1] benzopyran-6(6aH)one

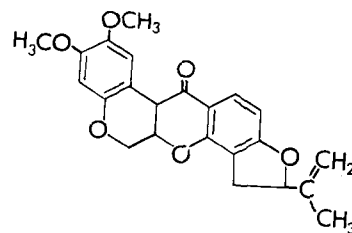
Mol. Wt. 394

Use Insectic.

LD₅₀ 132

	A	B	C	D	E	F
1	AL	73	56/6	1343	3	aw
2	AN	70	8/5	276	10	a
3	AL	69	52/1	182	11	a
4	WD	74	95/2	243	11,14	x
5						
6						

Ref.



6050 SALITHION $C_8H_9O_3PS$ 2-Methoxy-4H-1,3,2-benzodioxaphosphorin-2-sulfide

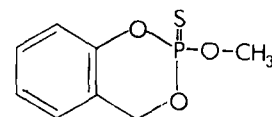
Mol. Wt. 216

Use Insectic.

LD₅₀ 91 (mouse)

	A	B	C	D	E	F
1	JG	72	21	9	10	1
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6100 SIDURON (Tupersan)

$C_{14}H_{20}N_2O$ 1-(2-Methylcyclohexyl)-3-phenylurea

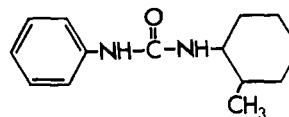
Mol. Wt. 232

Use Herbic.

LD₅₀ 7,500+

	A	B	C	D	E	F
1	AJ	69	17/5	1004	11	u
2	AM	66	4/11	424	2	x
3	ZJ	69	17/1	31	19	u
4	AL	74	57/1	60	3	w
5						
6						

Ref.



6120 SILVEX, ACID
[2-(2,4,5-TP)]

$C_9H_7Cl_3O_3$ 2-(2,4,5-Trichlorophenoxy)propionic acid

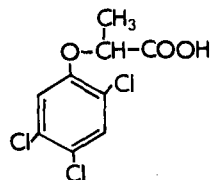
Mol. Wt. 269.5

Use Herbic.

LD₅₀ 650

	A	B	C	D	E	F
1	AJ	72	20	963	2	o
2	AX	72	5	72	2	c
3	IA	71	15	485	2	c
4						
5						
6						

Ref.



6130 SILVEX, ISOOCYL ESTERS

$C_{17}H_{23}Cl_3O_3$ 2-(2,4,5-Trichlorophenoxy)propionic acid, isooctyl esters (mixed)

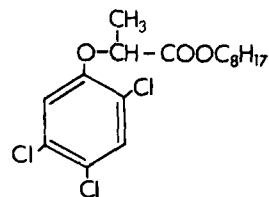
Mol. Wt. 381.5

Use Herbic.

LD₅₀ 400-800

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



6140 SILVEX, PROPYLENE GLYCOL BUTYL ETHER ESTERS

$C_{16}H_{21}Cl_3O_4$ 2-(2,4,5-Trichlorophenoxy)propionic acid, propylene glycol butyl ether esters
 $C_{22}H_{33}Cl_3O_6$ (C₃H₆O to C₉H₁₈O₃)

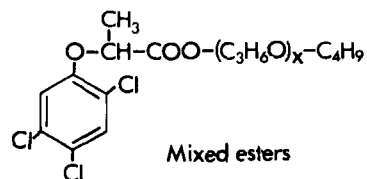
Mol. Wt. 383.5-500

Use Herbic.

LD₅₀ 650

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



Mixed esters

6160 SIMAZINE (Princep)

$C_7H_{12}ClN_5$ 2-Chloro-4,5,6-bis(ethylamino)-s-triazine

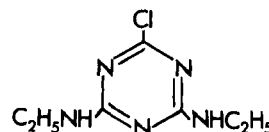
Mol. Wt. 202

Use Herbic.

LD₅₀ 5,000

	A	B	C	D	E	F
1	C		II		12	aceh
2	AL	68	51	682	3	ctu
3	AJ	68	16	284	12	atu
4	WD	71	57	303	11	tu
5	AJ	74	22	137	2	f
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6172 SODIUM AZIDE (Smite), NaN_3
(See 2728 - KN_3)

Sodium azide

Mol. Wt. 65.02

Use Herbic., Fungic.,
Nematoc., Insectic.

LD₅₀ 60-80

	A	B	C	D	E	F
1	7A				12	au
2						
3						
4						
5						
6						

Ref.



2820 SODIUM PENTACHLOROPHENATE
(Dowicide G)

$\text{C}_6\text{Cl}_5\text{NaO}\cdot\text{H}_2\text{O}$

2,3,4,5,6-Pentachlorophenol,
sodium salt, monohydrate

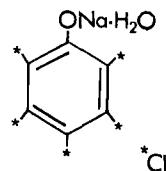
Mol. Wt. 306.5

Use Herbic.

LD₅₀ 210

	A	B	C	D	E	F
1	AR	66	31	742	21	e
2	AL	74	56/2	389	2	t
3	AL	69	52/2	294	2	jlm
4	AJ	73	21/2	295	2	m
5	AJ	69	17/4	871	2	ktu
6	BG	70	4/8	533	2	kt

Ref.



2800 SODIUM PHENYLPHENATE
(Dowicide A)

$\text{C}_{12}\text{H}_9\text{NaO}\cdot\text{H}_2\text{O}$

o-Phenylphenol, sodium salt,
monohydrate

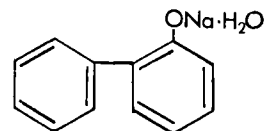
Mol. Wt. 210

Use Fungic.

LD₅₀ 1,160

	A	B	C	D	E	F
1	C		II		12	def
2	AL	71	54	975	11	de
3						
4			See also 5490			
5						
6						

Ref.



3740 STIROFOS (Gardona)

$\text{C}_{10}\text{H}_9\text{Cl}_4\text{O}_4\text{P}$

2-Chloro-1-(2,4,5-trichloro-
phenyl)vinyl dimethyl phosphate

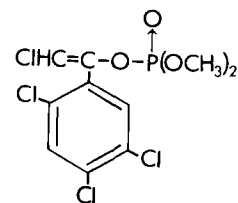
Mol. Wt. 366

Use Insectic.

LD₅₀ 4,000

	A	B	C	D	E	F
1	C		II		9	e
2	AP	70	63	1355	2	n
3						
4						
5						
6						

Ref.



6222 STREPTOMYCIN SULFATE
(Agri-Strep)

$\text{C}_{21}\text{H}_{39}\text{N}_7\text{O}_{12}\cdot\text{S}$

D-Streptamine, 2-*O*-deoxy-2-(methylamino)- α -*D*-glucopyranosyl-(1 $\rightarrow$ 2)-*O*-*D*-deoxy-3-*C*-dimethyl- α -*D*-xylofuranosyl-(1 $\rightarrow$ 4)-*N*,*N'*-bis(amino)-*m*-methyl-, sulfate (2:3) (salt).

$3\text{H}_2\text{SO}_4$

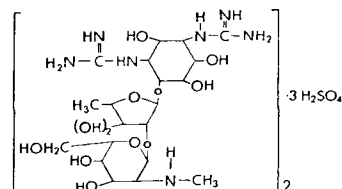
Mol. Wt. 1457

Use Bacterioc.

LD₅₀ ---

	A	B	C	D	E	F
1	C		II		19	e
2	AL	72	55/4	714	17,19	g
3	AL	70	53/1	54	19	g
4	JI	71	11	133	3	x
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6240 STROBANE $C_{10}H_{11}Cl_7$ Polychlorinates of camphene, pinene and related terpenes (average)

Mol. Wt. 379 (average)

Use Insectic.

LD₅₀ 200

	A	B	C	D	E	F
1	C		II		12	g
2						
3						
4						
5						
6						

Ref.

6300 SULFOXIDE $C_{18}H_{28}O_3S$ 1-Methyl-2-(3,4-methylenedioxyphenyl)ethyl octyl sulfoxide

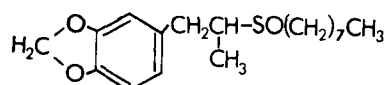
Mol. Wt. 324.5

Use Synergist

LD₅₀ 2,000-2,500

	A	B	C	D	E	F
1	AL	64	47	264	21	x
2	GM				11	jop
3						
4						
5						
6						

Ref.



6360 SURECIDE (S4087) $C_{15}H_{14}NO_2PS$ O-(p-Cyanophenyl) O-ethyl phenylphosphonothioate

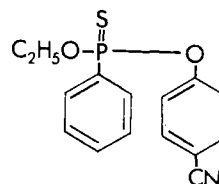
Mol. Wt. 303

Use Insectic.

LD₅₀ 1,000

	A	B	C	D	E	F
1	8A				4,9	acfg
2						
3						
4						
5						
6						

Ref.



6435 TECNAZENE (Fusarex) $C_6HCl_4NO_2$ 2,3,5,6-Tetrachloronitrobenzene

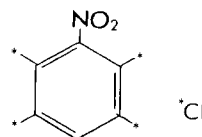
Mol. Wt. 261

Use Fungic. & Growth Regul.

LD₅₀ 100

	A	B	C	D	E	F
1	4I				2	af
2						
3						
4						
5						
6						

Ref.



0020 TEMEPHOS (Abate) $C_{16}H_{20}O_6P_2S_3$ O,O-Dimethyl phosphorothioate 0,0-diester with 4,4'-thiodiphenol

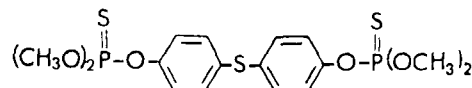
Mol. Wt. 466

Use Insectic.

LD₅₀ 4,000

	A	B	C	D	E	F
1	WD	71	59		3	t
2	AB	71	43	1053	16	tw
3	AJ	69	17	401	11	t
4	AJ	67	15	1038	3	t
5	AJ	66	14	152	12	aktu
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6540 TEPP $C_8H_{20}O_7P_2$ Tetraethyl pyrophosphate

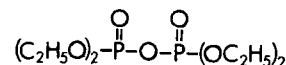
Mol. Wt. 290

Use Insectic.

LD₅₀ 1

	A	B	C	D	E	F
1	AL	70	53	1036	3	de
2						
3						
4						
5						
6						

Ref.



6560 TERBACIL (Sinbar) $C_9H_{13}ClN_2O_2$ 3-(*tert*-Butyl)-5-chloro-6-methyluracil

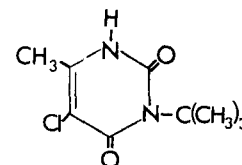
Mol. Wt. 217

Use Herbic.

LD₅₀ 5,000-7,500

	A	B	C	D	E	F
1	C		II		6	be
2	AJ	68	16	54	6	aj
3						
4						
5						
6						

Ref.



3980 TERBUTRYN (Igran) $C_{10}H_{19}N_3S$ 2-(*tert*-Butylamino)-4-(ethylamino)-6-(methylthio)-*s*-triazine

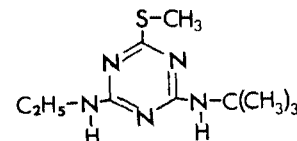
Mol. Wt. 241

Use Herbic.

LD₅₀ 2,100-2,900

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



6590 TERRAZOLE $C_5H_5Cl_3N_2OS$ 5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole

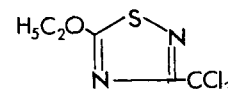
Mol. Wt. 247.5

Use Fungic.

LD₅₀ 2,000 (mice)

	A	B	C	D	E	F
1	61				2	au
2						
3						
4						
5						
6						

Ref.



6600 TETRADIFON (Tedion) $C_{12}H_6Cl_4O_2S$ 4-Chlorophenyl 2,4,4-trichlorophenyl sulfone

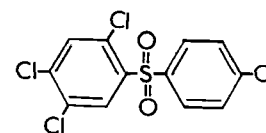
Mol. Wt. 356

Use Mitic.

LD₅₀ 5,000

	A	B	C	D	E	F
1	C		II		6,12	de
2	AL	63	46	177	6	de
3	AL	73	56	296	20	--
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6630 TETRASUL (Animert)

$C_{12}H_6Cl_4S$ S-p-Chlorophenyl 2,4,5-trichlorophenyl sulfide

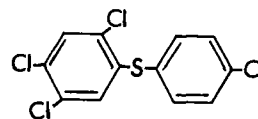
Mol. Wt. 324

Use Acaric.

LD₅₀ 12,600

	A	B	C	D	E	F
1	C		II		2	e
2	AL	73	56	296	20	--
3	FB	69	62/685	75	2,17	t
4	JA	74	38/2	279	1,11	x
5	JC	69	18/11	1344	2	x
6	6Y				3	w

Ref.



6640 THANITE

$C_{13}H_{19}NO_2S$ Isobornyl thiocynoacetate

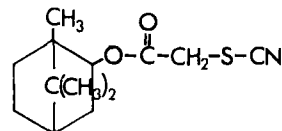
Mol. Wt. 253

Use Insectic.

LD₅₀ 1,603

	A	B	C	D	E	F
1	AL	70	53/3	499	4	x
2						
3						
4						
5						
6						

Ref.



6660 THIABENDAZOLE (Mertect)

$C_{10}H_7N_3S$ 2-(4'-Thiazolyl) benzimidazole

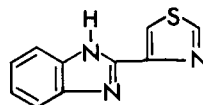
Mol. Wt. 201

Use Fungic. & Anthelmintic.

LD₅₀ 3,100

	A	B	C	D	E	F
1	C		II		14	ef
2	AL	72	55	1239	11,4	eg
3	AJ	72	20	1227	12,4	e
4	AZ	71	84	272	12	e
5						
6						

Ref.



6663 THIOFANOX (DS-15647)

$C_9H_{18}N_2O_2S$ 3,3-Dimethyl-1-(methylthio)-2-butanone O-[(methylamino)-carbonyl]oxime

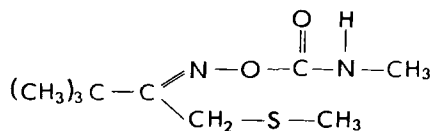
Mol. Wt. 218

Use Insectic.

LD₅₀ 8.5

	A	B	C	D	E	F
1	ZU				4	afg
2						tu
3						
4						
5						
6						

Ref.



6665 THIOMETON (Ekatin)

$C_6H_{15}O_2PS_3$ O,O-Dimethyl S-[2-(ethylthio)ethyl] phosphorodithioate

Mol. Wt. 246

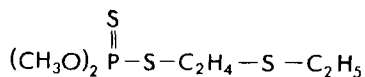
Use Insectic.

LD₅₀ 107

>

	A	B	C	D	E	F
1	7M				3	u
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6670 THIOPHANATE

$C_{14}H_{18}N_4O_4S_2$ 1,2-Bis(3-ethoxycarbonyl-2-thioureido)benzene

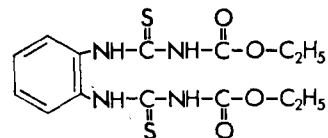
Mol. Wt. 370

Use Fungic.

LD₅₀ 15,000 (mice)

	A	B	C	D	E	F
1	5Z				11	ade
2						
3						
4						
5						
6						

Ref.



6671 THIOPHANATE METHYL

$C_{12}H_{14}N_4O_4S_2$ 1,2-Bis(3-methoxycarbonyl-2-thioureido)benzene

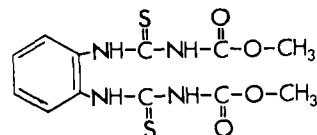
Mol. Wt. 342

Use Fungic.

LD₅₀ 3,514 (mice)

	A	B	C	D	E	F
1	5Z				12	ade
2						
3						
4						
5						
6						

Ref.



6680 THIRAM (Arasan)

$C_6H_{12}N_2S_4$ Tetramethylthiuram disulfide

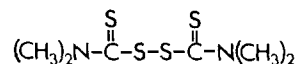
Mol. Wt. 240

Use Fungic.

LD₅₀ 780

	A	B	C	D	E	F
1	C		II		12	cde
2	B		12,000-206		12	
3	AL	69	52	1226	4	a
4	AL	70	53	519	12	c
5	AL	71	54	327	20	---
6	IB	70	45	220	12	x

Ref.



6740 TOXAPHENE

A mixture of chlorinated camphene compounds of uncertain identity (combined chlorine 67-69%)

Mol. Wt. ---

Use Insectic.

LD₅₀ 90

	A	B	C	D	E	F
1	C		II		12	e
2	AL	70	53	524	2,12	b
3	BG	70	4	547	10	ktu
4	AD	68	3	71	2	a
5	AJ	60	8	286	12	a
6						

Ref.

6770 TRIALLATE

$C_{10}H_{16}Cl_3NOS$ S-(2,3,3-Trichloroallyl)diisopropylthiocarbamate

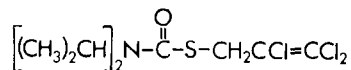
Mol. Wt. 305

Use Herbic.

LD₅₀ 1,675-2,165

	A	B	C	D	E	F
1	AJ	67	15	935	2	cu
2	WD	74	97	103	2	u
3	FB	69	62	214	2	t
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6777 TRIAZOPHOS (Hostathion) $C_{12}H_{16}N_3O_3PS$ 0,0-Diethyl 0-(1-phenyl-1H-1,2,4-triazol-3-yl)phosphorothioate

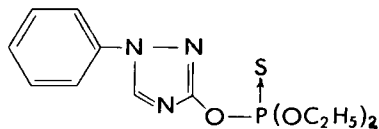
Mol. Wt. 313

Use Insectic., Mitic.,
Nematoc.

LD₅₀ 82

	A	B	C	D	E	F
1	GE	73	267/3	173	2,3	a
2	4E				4	a
3						
4						
5						
6						

Ref.



6780 TRICHLORFON (Dylox) $C_4H_8Cl_3PO_3$ Dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate

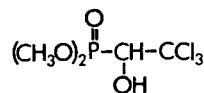
Mol. Wt. 257

Use Insectic.

LD₅₀ 450

	A	B	C	D	E	F
1	C		II		2,6	ajo
2	AD	74	11/1	78	4	j
3	AJ	73	21/6	1095	4	atu
4	AJ	66	14/5	508	2	adj
5	AD	71	6/1	55	4	x
6	AJ	68	16/5	808	11,7	x

Ref.



6890 2,4,5-TRICHLOROPHENOL $C_6H_3Cl_3O$ 2,4,5-Trichlorophenol

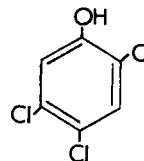
Mol. Wt. 197.5

Use Fungic.

LD₅₀ ca. 800

	A	B	C	D	E	F
1	AJ	72	20	963	2,6	o
2						
3						
4						
5						
6						

Ref.



6792 TRIDEMORPH (Calixin) $C_{19}H_{39}NO$ N-Tridecyl-2,6-dimethylmorpholine

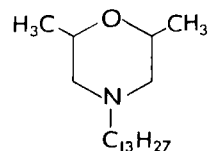
Mol. Wt. 297.5

Use Fungic.

LD₅₀ 650

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



6800 TRIFLURALIN (Treflan) $C_{13}H_9F_3N_3O_4$ α,α,α -Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine

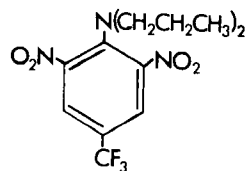
Mol. Wt. 335

Use Herbic.

LD₅₀ 3,700

	A	B	C	D	E	F
1	C		II		2,11	bc
2	AJ	74	22	79	12	tu
3	AJ	72	20	829	2	u
4	WD	74	97	103	2	u
5	WD	71	57	303	11	tu
6	AN	72	10	176	2	u

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6822 TRIFORINE (CELA W524)

$C_{10}H_{14}Cl_6N_4O_2$

N,N' -[1-4-Piperazinediyl-bis-(2,2,2-trichloroethylene)]-bis-(formamide)

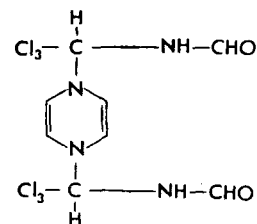
Mol. Wt. 435

Use Fungic.

LD₅₀ 16,000

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



6840 2,4,5-T, ACID

$C_8H_5Cl_3O_3$

2,4,5-Trichlorophenoxyacetic acid

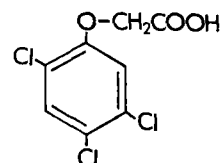
Mol. Wt. 255.5

Use Herbic.

LD₅₀ 500

	A	B	C	D	E	F
1	AJ	74	22	453	2	tu
2	AL	69	52	187	2	t
3	WD	71	57	303	11	tu
4	AI	71	1	23	2	m
5	BE	72	3/4	371	6	d
6	WD	72	69	204	2	u

Ref.



6860 2,4,5-T BUTOXYETHANOL
ETHER ESTERS

$C_{14}H_{17}Cl_3O_4$

2,4,5-Trichlorophenoxyacetic acid, mixed ether esters of butoxyethanol and isobutoxyethanol

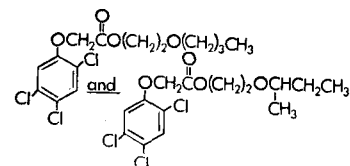
Mol. Wt. 355.5

Use Herbic.

LD₅₀ ca. 500

	A	B	C	D	E	F
1			See			
2			6840			
3						
4						
5						
6						

Ref.



6870 2,4,5-T, BUTYL ESTERS

$C_{12}H_{13}Cl_3O_3$

2,4,5-Trichlorophenoxyacetic acid, butyl esters (mixed)

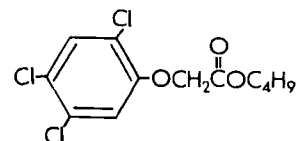
Mol. Wt. 312

Use Herbic.

LD₅₀ ca. 500

	A	B	C	D	E	F
1			See			
2			6840			
3						
4						
5						
6						

Ref.



6880 2,4,5-T, ISOOCYL
ESTERS

$C_{16}H_{21}Cl_3O_3$

2,4,5-Trichlorophenoxyacetic acid, isooctyl esters (mixed)

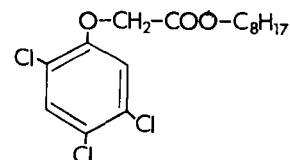
Mol. Wt. 368

Use Herbic.

LD₅₀ ca. 500

	A	B	C	D	E	F
1			See			
2			6840			
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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6885 2,4,5-T, PROPYLENE GLYCOL BUTYL ETHER ESTERS

1. $C_{12}H_{19}Cl_3O_4$ 2,4,5-Trichlorophenoxy=acetic acid, propylene glycol butyl ether esters (mixed)

2. $C_{18}H_{26}Cl_3O_5$

3. $C_{21}H_{32}Cl_3O_6$

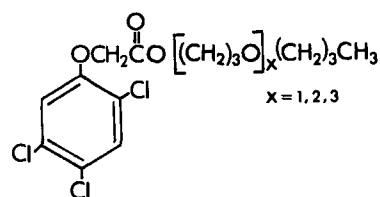
Mol. Wt. 3925 (average)

Use Herbic.

LD₅₀ ca. 500

	A	B	C	D	E	F
1	AJ	69	17	1168	6	1m
2			See also 6840			
3						
4						
5						
6						

Ref.



6895 2,4,5-T, TRIETHYL-AMINE SALT

$C_{14}H_{20}Cl_3O_3N$ 2,4,5-Trichlorophenoxyacetic acid, triethylamine salt

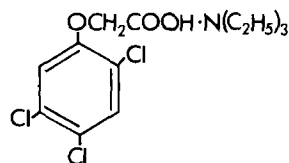
Mol. Wt. 357

Use Herbic.

LD₅₀ 500 (acid basis)

	A	B	C	D	E	F
1			See 6840			
2						
3						
4						
5						
6						

Ref.



6900 4-(2,4,5-TB)

$C_{10}H_6Cl_3O_3$ 4-(2,4,5-Trichlorophenoxy)=butyric acid

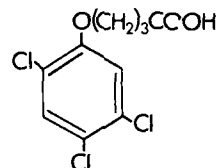
Mol. Wt. 284

Use Herbic.

LD₅₀ 650

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



6920 2,3,6-TBA

$C_7H_3Cl_3O_2$ 2,3,6-Trichlorobenzoic acid and related compounds:

2,3,6-TBA 60.65% 2,4,6-TBA 2.6%

2,4,5-TBA 26.3% Tetra and dichlorobenzoic acids 1.1%

2,3,4-TBA 9.35%

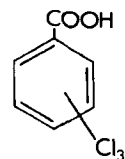
Mol. Wt. 225

Use Herbic.

LD₅₀ ca. 750

	A	B	C	D	E	F
1	AL	71	54/4	966	2,6	efo
2	AJ	68	16/6	908	2	ac
3	WD	71	57/2	303	11	u
4						
5						
6						

Ref.



7013 VENDEX

$Sn_2OC_6H_7$ Hexakis (8,8-dimethylphenethyl)-distannoxane

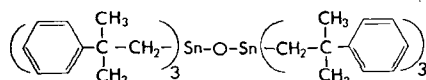
Mol. Wt. 1052

Use Mitic.

LD₅₀ 2630

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

Ref.



Code	Common Name	Emp. Form.	Chemical Name	Structure
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7020 VERNOLATE (Vernam)

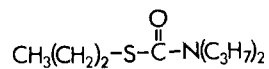
$C_{10}H_{21}NOS$ S-Propyl N,N-dipropylthiocarbamate

Mol. Wt. 203

Use Herbic.

LD₅₀ 1,800

	A	B	C	D	E	F
1	C		II		6	fg
2	AJ	60	8	214	12	a
3	7Z				4	cf
4	AC	67	5	537	20	--
5						
6						



7060 WARFARIN

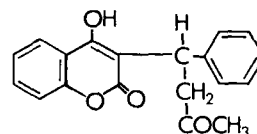
$C_{19}H_{16}O_4$ 3-(α -Acetylbenzyl)-4-hydroxycoumarin

Mol. Wt. 308

Use Rodentic.

LD₅₀ 323

	A	B	C	D	E	F
1	BA	67	92	192	12	x
2	JC	69	18	943	15	x
3						
4						
5						
6						



7120 ZINEB

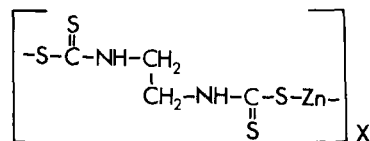
$(C_4H_6N_2S_4Zn)_x$ Zinc ethylenebisdithiocarbamate (polymeric)

Mol. Wt. 276

Use Fungic.

LD₅₀ 5,200+

	A	B	C	D	E	F
1	C		II		12	x
2	AL	67	50	1102	12	a
3	AL	71	54	1120	12	c, f
4	AJ	72	20	967	2	e
5						
6						



7100 ZIRAM

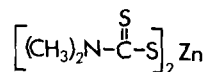
$C_6H_{12}N_2S_4Zn$ Zinc dimethyldithiocarbamate

Mol. Wt. 306

Use Fungic.

LD₅₀ 1,400

	A	B	C	D	E	F
1	C		II		12	x
2	AL	69	52	1226	4	a
3	AL	70	53	1043	12	c
4						
5						
6						



Code	Common Name	Emp. Form.	Chemical Name	Structure
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ADDENDA

0425 BENTAZON (Basagran)

$C_{10}H_{12}N_2O_3S$

3-Isopropyl-1H-2,1,3-benzothia-
diazin-(4)3H-one 2,2-dioxide

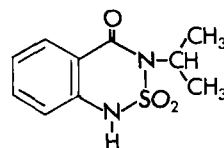
Mol. Wt. 240

Use Herbic.

LD₅₀ 1,100

	A	B	C	D	E	F
1	WD	73	76/1	272	11	x
2	1Q				1,4	egt
3						
4						
5						
6						

Ref.



4840 NABAM

$C_4H_6N_2Na_2S_4$

Disodium ethylene bis-
(dithiocarbamate)

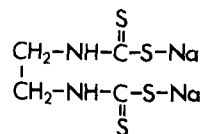
Mol. Wt. 256

Use Fungic.

LD₅₀ 395

	A	B	C	D	E	F
1	AL	69	52	162	12	a
2	GF	71	14	707	12	a
3						
4						
5						
6						

Ref.



Section I,b

LIST OF COMPOUNDS DELETED FROM STOCK

All compounds in the repository stock are reviewed biennially to determine if they should be continued. Compounds are deleted if manufacturing is discontinued or if, during a two-year period, we receive no requests for a given compound.

The following 88 compounds listed in our 1973 Index have been deleted in this edition for one of the above reasons:

Akton	CECA
Alar	Chlorbromuron
Aldicarb Oxime Sulfone	Chlorflurenol
Aldicarb Oxime Sulfoxide	Chlormequat Chloride
Aldicarb Sulfone	Chloronitropropane
Aldicarb Sulfoxide	Chloropropylate
Amidithion	Chloroxuron
Ammonium Sulfamate	Chlorthiamid
* Banamite	Copper 8 Quinolate
Bandane	Coumachlor
Basamaize	Coumatetralyl
Benazolin	Cyano (methylmercury) guanidine
Benzomate	Cyanox
Binapacryl	DAEP
Bismuth Subsalcylate	Dazomet
Bomyl	o,p'-DDA
Bromoxynil Octanoate	Deet
Bulan	Demeton (mixed isomers; individual isomers still stocked)
Buturon	
Cartap Hydrochloride	Desmetryn

*A not

Dilan	Norea
Dimethrin	OCS-21693
Dinobuton	Pentac
Diram	Phosfon
Fenuron	Pival
Fenuron-TCA	Plantvax
Fluorodifen	Plictran
Gophacide	Prolan
Hexachloroacetone	Propyl Isome
Hormodin	Pyramat
Iodofenphos	Pyriclor
Isothan	Sabadilla
Landrin-3,4,5 isomer	Sulfaquinoxaline
Landrin-2,3,5 isomer	Sulphenone
Lethane 60	Sumitol
Memmi	SWEP
Metabromuron	Tabatrex
Methyl Carbophenothion	TCA
Metribuzin	Terbutol
MGK R 11	Tetramethrin
MGK 264	TIBA
MGK 326	Tutane
MGK R 874	Vancide TH
Niclosamide	Zoalene
Norbormide	

Section II

THE HANDLING AND STORAGE OF ORGANOPHOSPHOROUS PESTICIDES

Samples of organophosphorous pesticides that are to be used as analytical standards should be carefully protected from possible decomposition. Because the rate of decomposition increases with temperature, organophosphorous pesticide standards should be refrigerated. They should be stored tightly closed in a refrigerator kept at 0°C to 5°C. Minute traces of moisture also enhance the decomposition rate, so that the sealed bottles should be placed in a desiccator while inside the refrigerator. If a desiccator cannot be spared, a large, wide-mouth jar can be substituted by placing some desiccant in the bottom of the jar and the standards bottles on a platform. This storage system minimizes moisture pickup while helping prevent vapor from permeating the entire refrigerator.

When a sample is removed from the refrigerator for use, its temperature should be permitted to fully equilibrate with that of the room, preferably under continuous desiccation. The sub-sample should be removed as quickly as possible and the bottle resealed and returned to refrigerated storage as rapidly as possible.

These compounds should most emphatically NOT be stored for undue periods of time even at low temperature. It is recommended that after a year the standard be discarded in a safe manner and a fresh standard be requested. A six-month period is even safer.

Extreme caution must be exercised while handling many organophosphorous pesticides. They are highly toxic, not only by oral ingestion, but dermally and by inhalation. Disposable plastic gloves should be worn at all times during the handling of the primary standard. Except for the time required for weighing on the analytical balance, all handling of the standard should be carried out in an exhaust hood to minimize inhalation of vapor. If in spite of all precautions a drop of the primary standard should get on the skin, thorough washing with copious amounts of soap and water should be carried out immediately. In case of heavier spillage on the skin or any other accidental exposure, a physician should be consulted AT ONCE.

Section III

PREPARATION AND STORAGE OF PESTICIDE ANALYTICAL STANDARDS

A. EQUIPMENT AND SOLVENTS

1. Analytical balance capable of an accuracy of ± 0.05 mg.
2. Flasks, volumetric - 25, 50, and 100 ml.
3. Spatula, stainless steel.
4. Stirring rods, glass, ca. 100 x 6 mm.
5. Bottles, inverted 3 stopper, 30 ml, Corning 1560.
6. Refrigerator, explosion-proof, with freezer across top, capable of maintaining $+4^{\circ}\text{C}$ in refrigerator section and -15°C in freezer.

NOTE: Chemical and sample materials should preferably be stored in separate refrigerators; however, if a laboratory has only one refrigerator, sample materials should be stored in air-tight glass containers to prevent contamination by spillage or airborne vapors from pesticides.

7. Vials, screw cap, 15 x 45 mm, 1 dram, Kimble number 60910.
8. Bottles, prescription, graduated, with molded plastic screw caps, sizes 1/2 and 1 oz. (available from most wholesale drug suppliers).
9. Cap liners, Teflon, sizes 13, 15, and 18, Arthur H. Thomas 2390.
10. Primary pesticide standards. Available from the Repository at Research Triangle Park, North Carolina in 1/4 oz. bottles with foil-lined molded screw caps.

NOTE: The organophosphorous compounds are subject to a wide variety of oxidations, rearrangements, and hydrolytic reactions. These should be stored in the refrigerator in a large air-tight container (such as a wide-mouth mayonnaise jar), or in a desiccator, to minimize moisture absorption, release of toxic vapors, or cross-contamination. ALL HANDLING OF THESE STANDARDS SHOULD BE DONE WITH RUBBER OR DISPOSABLE PLASTIC GLOVES. SKIN CONTACT WITH HIGH CONCENTRATES CAN RESULT IN ILLNESS OR DEATH.

11. Isooctane (2,2,4-trimethylpentane) or hexane, pesticide quality, distilled in glass.

NOTE: (1) A 10 μl injection of the solvent to be used should result in a chromatogram with zero background.

(2) Isooctane or hexane are both suitable for standard dilutions. Isooctane, while more expensive, offers the advantage of a 100°C boiling point and is therefore less subject to evaporation from repeated opening of bottles, particularly of working standard mixtures.

12. Benzene, pesticide quality, distilled in glass.

B. PROCEDURES

1. Preparation of concentrated stock standard solutions.

Except for concentrates for special purposes, a concentration of 200 micrograms per milliliter is suitable for most common pesticides. This concentration can be prepared by diluting 20 mg of the 100% primary standard to 100 ml.

Either benzene or hexane is suitable as the solvent for most of the primary standards. A few compounds, however, dissolve in hexane with great difficulty, but readily in benzene, with stirring and a slight application of heat from the hot water bath. Benzene has the slight disadvantage of solidifying at freezer temperatures, but the expansion has never proved sufficient to cause bottle breakage in this laboratory.

The concentrated standards of chlorinated compounds should maintain uniform strength for a 6-month period at -15 to -20°C. The organophosphate standards are far less stable than the organochlorines. It is recommended that the concentrated stock be held no longer than 4 months at -15°C.

NOTE: Extreme care must be used in the formulation of this standard. If an error is made here, all subsequent dilutions for the life of the standard will be inaccurate. Obviously, all quantitations of samples will be similarly incorrect.

2. Preparation of standard solutions of intermediate concentration.

These will be the standard solutions from which the final working mixtures will be prepared. The decrease in strength from the concentrated stock to the final working standard is generally too great to achieve in one dilution step. Except for a few of the less responsive compounds, it is generally preferable to prepare a solution of an intermediate concentration. This solution, in turn, is further diluted volumetrically to obtain the final working standard. Convenient intermediate concentrations of a number of the more common pesticides are given in Table 1.

The intermediate concentration standards of the chlorinated compounds, if stored in the freezer at -10 to -15°C, should be stable for a 6-month period. Except for the fact of repeated warming and opening for making working standards, these standards could be held much

longer. However, considering this factor, a safer time limit is 6 months.

The organophosphorous intermediate standards should be similarly stored in the freezer. The time limit on these standards should not exceed 4 months.

3. Working Standard Mixtures.

a. Preparation and storage.

Isooctane is favored as the solvent for the working standard mixtures because the many repeated bottle openings greatly increase the possibility of evaporation and subsequent concentration of standards if a lower-boiling-point solvent is used.

Table 2 is useful in rapid determination of the aliquot volumes of the stronger concentrates required for given concentrations of the diluted standards.

The use of standard mixtures of varying concentrations is a necessity for reliable quantification of unknowns. The degree of peak height variation between sample and standard should ideally not exceed 10% although variations up to 25% should not result in appreciable error. A simple means of achieving this is to have available working standard mixtures of three concentrations. The suggested mixtures given in Table 3 have proved very useful in the analysis of tissues. Those laboratories conducting analysis on environmental samples may wish to make alterations in the compound content, but the 3-concentration concept should be applicable for any media.

C. CONTAINERS FOR STANDARD SOLUTIONS

Volumetric flasks are, of course, the recommended glassware for preparation of all standard solutions. However, these containers are not suitable for storage primarily for the following reasons:

1. An inordinate amount of valuable refrigerator space is required for the storage of a significant number of flasks.
2. A large quantity of expensive volumetric glassware is tied up and therefore not available for other uses.

A most suitable container for the concentrated stock that will be stored from 4 to 6 months is the bottle described in Item 5 under EQUIPMENT AND SOLVENTS. Although these bottles are expensive, large numbers are not required in most laboratories. The cap has an inner $\frac{3}{8}$ joint that slips down over the outer $\frac{3}{8}$ joint of the bottle, thus affording complete protection of the mouth of the bottle from contamination. The inverted-stopper bottles present one problem in the tendency of the cap to pop off during the equilibration period from freezer to room temperature. They require some watching.

If desired, these same inverted-stopper bottles may be used for storing the standards of intermediate concentration. However, laboratories on a limited operating budget may prefer to use a less expensive container such as the graduated prescription bottles described in Item 8 of the equipment list. When the Teflon liners are used (Item 9), these provide a wholly suitable container and store well. The No. 15 liner is needed for the 1/2-oz. bottle cap while the 1-oz. bottle cap takes a No. 18 liner.

The selection of working standard containers and manner of handling and storage are, to some extent, a matter of local preference. Following are two procedures, either of which has proved satisfactory:

Method A

After the working standard mixtures are formulated in volumetric flasks, they are transferred to 1/2-oz. prescription bottles fitted with Teflon-lined screw caps. These should be stored in the refrigerator at all times when not in use. Organochlorine (OGC) working standards should be renewed monthly and the organophosphorous (OGP) compounds semimonthly.

Method B

The working standard mixtures are transferred from the volumetric flasks into 1-dram vials (Item 7) fitted with Teflon-line screw caps (No. 13). The set of standards needed for immediate use may be conveniently fitted in a small block of polystyrene into which holes have been cut with a rattail file to a size that will snugly accommodate the vials. The remainder of the filled vials will be stored at -10 to -15°C.

The OGC standard solutions in the block are held continuously at room temperature and are discarded at the end of 1 week; fresh vials from the freezer should then be substituted for the discarded solutions. Vials of OGP solutions, however, should be kept in the refrigerator at all times when not in use. Vials of OGC compounds that are kept frozen can be held in the freezer for up to 6 months, whereas frozen OGP compounds should be discarded after 4 months.

Table 1
SUGGESTED CONCENTRATIONS OF STANDARD SOLUTIONS
OF INTERMEDIATE CONCENTRATION

CHLORINATED	ng/ μ l	ORGANOPHOSPHOROUS	ng/ μ l
α -BHC	1	Mevinphos	50
β -BHC	2	Phorate	50
Lindane	1	Dimethoate	40
Heptachlor	1	Diazinon	20
Aldrin	1	Methyl parathion	10
Heptachlor epoxide	1	Ethyl parathion	10
o,p'-DDE	1	Malathion	20
p,p'-DDE	2	Ethion	20
Endosulfan	4	Carbophenothion	10
DDA (methyl ester)	*	Azinphos (methyl or ethyl)	*
Dieldrin	2	Dichlorvos	2
o,p'-DDD	2	Dioxathion	20
Endrin	4	Ronnel	10
Perthane	*	Fenthion	4
p,p'-DDD	4	Phosphamidon	50
o,p'-DDT	4	Folex	30
p,p'-DDT	4	DEF	10
Dilan	10	Phencapton	50
Methoxychlor	10	Monocrotophos	*
Tetradifon	20	EPN	*
Mirex	10	Imidan	*
Chlordane	10	Coumaphos	50
Toxaphene	*	Disulfoton	2

*Final working standard made up directly from the 200 ng/ μ l concentrate.

The solvent for the intermediate standards may be isooctane or hexane (pesticide quality). Isooctane should be considered because of its higher boiling point, hence reduced possibility of evaporation of solvent when container is repeatedly opened.

Table 2. Commonly used dilution values. Values in left columns are the ml of concentrated soln. required per 100 ml to arrive at the conc. values given in the right columns. Value at head of each column is the concentration of the stock soln.

1 $\mu\text{g}/\mu\text{l}$		200 $\text{ng}/\mu\text{l}$		20 $\text{ng}/\mu\text{l}$		10 $\text{ng}/\mu\text{l}$		4 $\text{ng}/\mu\text{l}$		2 $\text{ng}/\mu\text{l}$		1 $\text{ng}/\mu\text{l}$	
ml	$\text{ng}/\mu\text{l}$	ml	$\text{ng}/\mu\text{l}$	ml	$\text{pg}/\mu\text{l}$	ml	$\text{pg}/\mu\text{l}$	ml	$\text{pg}/\mu\text{l}$	ml	$\text{pg}/\mu\text{l}$	ml	$\text{pg}/\mu\text{l}$
50	500	50	100	5	1,000	10	1,000	20	800	35	700	50	500
47.5	475	47.5	95	4.875	975	9	900	18.75	750	32.5	650	45	450
45	450	45	90	4.75	950	8	800	17.5	700	30	600	40	400
42.5	425	42.5	85	4.625	925	7	700	16.25	650	27.5	550	37.5	375
40	400	40	80	4.5	900	6	600	15	600	25	500	35	350
37.5	375	37.5	75	4.375	875	5	500	13.75	550	22.5	450	32.5	325
35	350	35	70	4.25	850	4.75	475	12.5	500	20	400	30	300
32.5	325	32.5	65	4.125	825	4.5	450	11.25	450	17.75	375	27.5	275
30	300	30	60	4	800	4.25	425	10	400	17.5	350	25	250
27.5	275	27.5	55	3.875	775	4	400	9.375	375	16.25	325	22.5	225
25	250	25	50	3.75	750	3.75	375	8.75	350	15	300	20	200
22.5	225	22.5	45	3.625	725	3.5	350	8.125	325	13.75	275	17.5	175
20	200	20	40	3.5	700	3.25	325	7.5	300	12.5	250	15	150
17.5	175	17.5	35	3.375	675	3	300	6.875	275	11.25	225	12.5	125
15	150	15	30	3.25	650	2.75	275	6.25	250	10	200	10	100
12.5	125	12.5	25	3.125	625	2.5	250	5.625	225	8.75	175	9.5	95
10	100	10	20	3	600	2.25	225	5	200	7.5	150	9	90
9.5	95	9.5	19	2.875	575	2	200	4.375	175	6.25	125	8.5	85
9	90	9	18	2.75	550	1.75	175	3.75	150	5	100	8	80
8.5	85	8.5	17	2.625	525	1.5	150	3.125	125	4.75	95	7.5	75
8	80	8	16	2.5	500	1.25	125	2.5	100	4.5	90	7	70
7.5	75	7.5	15	2.375	475	1	100	2.375	95	4.25	85	6.5	65
7	70	7	14	2.25	450	.95	95	2.25	90	4	80	6	60
6.5	65	6.5	13	2.125	425	.9	90	2.125	85	3.75	75	5.5	55
6	60	6	12	2	400	.85	85	2	80	3.50	70	5	50
5.5	55	5.5	11	1.875	375	.8	80	1.875	75	3.25	65	4.5	45
5	50	5	10	1.75	350	0.75	75	1.75	70	3	60	4	40
4.5	45	4.5	9	1.625	325	.7	70	1.625	65	2.75	55	3.5	35
4	40	4	8	1.5	300	.65	65	1.5	60	2.5	50	3	30
3.5	35	3.5	7	1.375	275	.6	60	1.375	55	2.25	45	2.5	25
3	30	3	6	1.25	250	.55	55	1.25	50	2	40	2	20
2.5	25	2.5	5	1.125	225	0.5	50	1.125	45	1.75	35	1.5	15
2	20	2	4	1	200	.45	45	1.	40	1.5	30	1	10
1.5	15	1.5	3	0.875	175	.4	40	.875	35	1.25	25	0.9	9
1	10	1	2	0.75	150	.35	35	.75	30	1	20	.8	8
0.5	5	0.5	1	0.625	125	.3	30	.625	25	.75	15	.7	7
				0.5	100	0.25	25	0.5	20	0.5	10	.6	6
								0.25	10			.5	5
								0.125	5				

Table 3
SUGGESTED MIXTURES FOR QUANTITATION OF SOME
COMMON CHLORINATED COMPOUNDS

Compound	Concentration, picograms per microliter		
<u>A SERIES</u>	<u>A₁</u>	<u>A₂</u>	<u>A₃</u>
Lindane	5	10	20
Aldrin	5	10	20
Dieldrin	10	20	40
o,p'-DDT	15	30	60
p,p;-DDT	15	30	60
 <u>B SERIES</u>	 <u>B₁</u>	 <u>B₂</u>	 <u>B₃</u>
β-BHC	15	30	60
Aldrin	5	10	20
Heptachlor epoxide	10	20	40
p,p'-DDE	10	20	40
p,p'-DDD	15	30	60
 <u>C SERIES</u>	 <u>C₁</u>	 <u>C₂</u>	 <u>C₃</u>
α-BHC	5	10	20
β-BHC	5	10	20
Aldrin	5	10	20
o,p'-DDE	10	20	40
o,p'-DDD	15	30	60

Section IV

DECODING RESIDUE ANALYTICAL METHOD REFERENCES

Six residue method references for each compound are cited if this number could be located. Those cited do not necessarily represent the complete bibliography for any given compound. Where there were ample bibliography, methods for various types of media are cited. With a few exceptions, references are restricted to publications within the past ten years. There is no intention to endorse or recommend any cited methodology. They are represented purely as an aid to the analyst in the search for candidate methodology to resolve an analytical task.

To conserve space, the references are presented in code, each citation in a series of six blanks under capital letter headings of A through F in Section II wherein all available reference standard compounds are listed. The decoding key is given in the following:

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
Source	Year	Volume	Page	Instrumentation	Media

A Name of Journal or Other Source

(Languages: E = English, F = French, G = German, I = Italian,
A = Arabic, J = Japanese, R = Russian, S = Spanish)

- A Analysis of Pesticide Residues in Human and Environmental Samples.
Ed. Thompson, JF. Environmental Protection Agency, Research
Triangle Park, N.C. 1975
- B Official Methods of Analysis of the Association of Official
Analytical Chemists, 11th Ed. (with supplements), 1970
- C Pesticide Analytical Manual. Ed. Corneliussen, PE. Food and
Drug Administration, Washington, D.C.
Volume I, 1972 (Multiresidue)
Volume II, 1973 (Individual Residues)
- D Standard Methods of the Stored Products Insects Branch.
Agricultural Research Service, U.S. Dept. of Agriculture

American (A...; Z...) (All E)

- AA American Laboratory
- AB Analytical Chemistry
- AC Analytical Methods for Pesticides, Plant Growth Regulators, and
Food Additives. Ed. Zweig, G. Academic (New York)
- AD Bulletin of Environmental Contamination and Toxicology
- AE Chemical Abstracts (Number in Column "C" represents the volume
number (hyphen) abstract number)
- AF Dissertation Abstracts International (Section B: Sciences and
Engineering)

A

AG Environmental Science and Technology
 AH Food and Drugs from the Sea, Proceedings of the Conference on
 Drugs from the Sea, 3rd Ed. Worthen, LR. Washington, D.C.
 Marine Technological Society
 AI International Journal of Environmental Analytical Chemistry
 AJ Journal of Agricultural and Food Chemistry
 AK Journal of the American Water Works Association
 AL Journal of the Association of Official Analytical Chemists
 AM Journal of Gas Chromatography (Ending December, 1968, name
 changed to following title)
 AN Journal of Chromatographic Science
 AO Journal of Dairy Science
 AP Journal of Economic Entomology
 AQ Journal of Environmental Quality
 AR Journal of Food Science
 ARA Journal of Food Science Technology
 AS Journal of Pharmaceutical Sciences
 AT Microchemical Journal
 AU Mississippi Farm Research
 AV Health Aspects of Pesticides Abstract Bulletin (Ending December,
 1973, name changed to the following title)
 (Column "C" is Abstract number)
 AW Pesticides Abstracts (Column "C" is Abstract number)
 AX Pesticide Chemistry, Proceedings of the International Congress of
 Pesticide Chemistry, 2nd, Tel-Aviv, Israel. Ed. Tahori, AS.
 Six volumes. Gordon and Breach
 AY Pesticide Monitoring Journal
 AZ Proceedings of the Florida State Horticultural Society
 ZA Proceedings of the Southern Weed Conference (name changed to
 the following title)
 ZB Proceedings of the Southern Weed Science Society
 ZC Pyrethrum: Natural Insecticide. Pap. Int. Symp., 1972
 Ed. Casida, JE. Academic (New York)
 ZD Residue Reviews. Ed. Gunther, FA. Springer-Verlag (New York)
 ZE Science of the Total Environment
 ZF Soil Science of America, Proceedings
 ZG Tappi
 ZH Trace Substances in Environmental Health, Proceedings of the
 University of Missouri's Annual Conference. Ed. Hemphill, DD.
 University of Missouri (Columbia)
 ZI Weeds (Ending October, 1974, name changed to the following title)
 ZJ Weed Science

British (B...)

BA Analyst - E
 BB Chemistry and Industry - E
 BC Journal of the Science of Food and Agriculture - E
 BD Journal of Stored Products Research - E
 BE Pesticide Science - E
 BF Talanta - E,F,G
 BG Water Research - E
 BH Weed Research - E,F,G

A Canadian (C...)

CA Canadian Journal of Plant Science

Egyptian (E...)

EA Journal of Chemistry of the United Arab Republic - E,A

French (F...)

FA Annales de Biologie Clinique

FB Annales des Falsifications et de l'Expertise Chimique

German (G...)

GA Archiv fuer Pflanzenschutz -G,E

GB Arch. Phytopath. Pflanz.

GC Archiv fuer Toxikologie - G,E

GD Deutsche Lebensmittel-Rundschau - G

GE Fresenius' Zeitschrift fuer Analytische Chemie - G

GF Nahrung - G

GG Pharmazeutische Zentralhalle - G

GH Pflanzenschutz-Nachrichten (American Edition) - E

GI Pflanzenschutz-Nachrichten Bayer - G

GJ Vitis - G,E

Italian (I...)

IA Agrochimica - E,F,G,I,S

IB Industria Conserve - I,E,F,G ("Canning Industry")

Indian (K...)

KA Journal of the Indian Chemical Society - E

Japanese (J...)

JA Agricultural and Biological Chemistry - E

JB Bochu-Kagaku - E,J ("Scientific Pest Control")

JC Bunseki Kagaku - E,J ("Japan Analyst")

JD Igaku To Seibutsugaku - J ("Medicine and Biology")

JE Kobe Journal of the Medical Sciences - E

JF Nippon Dojo-Hiryogaku Zasshi - J ("Journal of the Science of Soil and Animal Fertilizers")

JG Nippon Noson Igakki Zasshi

JH Noyaku Kensasho Hokoku - J ("Bulletin of the Agricultural Chemistry Inspection Station")

JI Noyaku Seisan Gijutsu - J ("Pesticides and Technique")

A Russian (R...)

RA Gazovaya Khromatografiya - R
RB Gigiena i Sanitariya - R
RC Hygiene and Sanitation - E (English version of the above title)
RD Khimiya v Sel'skom Khozyaistve - R
RE Voprosy Pitaniya - R
RF Zavodskaya Laboratoriya - R

West European--Miscellaneous (W...)

WA Acta Chemica Scandanavica - E
WB Analytica Chimica Acta - E
WC Annales de Gembloux - F
WD Journal of Chromatography - E,F,G
WE Journal of Radioanalytical Chemistry - E

E Type of Instrumentation or Determinative Procedure Used

1 Gas-liquid Chromatography, Electrolytic Conductivity Detector
2 Electron Capture
3 Flame Ionization
4 Flame Photometric
5 Mass Spectrometer
6 Microcoulometric
7 Inert Gas Plasma Emission
8 Thermal Conductivity
9 Thermionic
10 Other or Unspecified (in abstract)
11 Thin Layer or Paper Chromatography (All methods of detection)
12 Spectrophotometry or Colorimetry
13 Atomic Absorption Spectrometry
14 Fluorimetry or Phosphorimetry
15 Electrochemical (All methods)
16 High Pressure Liquid Chromatography, Column Chromatography, or
article dealing primarily with extractive methodology
17 Enzymatic
18 Titrimetric (All methods)
19 Bioassay
20 Review article
21 Exact Method Uncertain (in abstract)

F Sample Materials

Plant

a Foliage, general or unspecified plant tissues
b Forage/Fodder Crop
c Cereal/Grain Crop
d Vegetable Crop
e Fruit Crop

- F f Root Crop
 g Oil-bearing Seeds (Cotton, Soybeans, etc.) or Vegetable Oils
 h Nuts
 i Trunk, Stalk (eg. sugarcane), or Paper

Animal

- j Animal, Insect, or Human Tissue (including fats)
k Fish, or Aquatic Species Tissue or Fats
l Blood
m Urine
n Feces

Food

- o Dairy Products
p Eggs
q Honey
r Bread
s Beer or Wine

Environmental

- t Water
u Soil
v Air

Other

- w Pesticides Formulations
x Working Solutions or Unspecified

ILLUSTRATION OF USE OF THE KEY

Referring to the compound, Acephate, we note a total of two references. Taking the first reference for illustration, we see

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
AL	74	57	189	3	a

Reference to the journal list shows that the AL under A refers to the Journal of the Association of Official Analytical Chemists; the number 74 under B shows the publication year to be 1974; the 57 under C is the volume number of the journal; the 189 under D is the starting page of the journal publication; the digit 3 under E indicates that the determinative instrumentation was gas-liquid chromatography with a flame ionization detector; and the lower case a under F indicates that the author conducted his research on plant tissues.

Published residue methodology could not be located for a number of the compounds listed, but in many instances the producing companies have developed methodology which are available by writing the companies. These company-developed methods are referenced in the coding under the A heading by a single digit and a capital letter. This symbol refers to the symbol opposite some company listed in Section VI. For example, the symbol 11 appearing under

the A heading identifies the American Cyanamid Company as the method source; the symbol 3Q refers to the FMC Corporation, and so on. In these company method citations, data under B, C, and D headings are omitted as they are inapplicable.

Section V

LIST OF CONTRIBUTING PESTICIDE PRODUCING COMPANIES

<u>Code</u>	<u>Company</u>	<u>Code</u>	<u>Company</u>
1A	Allied Chemical Corporation	5Q	Monsanto Commercial Products Co.
1E	Amchem Products, Inc.	6A	Nor-Am Agricultural Products Co.
1I	American Cyanamid Company, Inc.	6I	Olin Agricultural Division
1M	The Ansul Company	6M	S.B. Penick & Company
1Q	BASF Wyandotte Corporation	6Q	Pennwalt Corporation
1Z	Buckman Laboratories, Inc.	6S	Pepro S.A. (France)
2A	Celamerck GMBH & Co. KG (W.Germ.)	6U	Pfister Chemical, Inc.
2C	Cheminova (Denmark)	7A	PPG Industries, Inc.
2E	Chempar Chemical Company, Inc.	7E	Plant Protection, Ltd. (England)
2I	Chevron Chemical	7I	Rhodia, Inc., Chipman Division
2U	Diamond Shamrock Corporation	7J	Rohm & Haas Company
2Z	Dow Chemical U.S.A.	7M	Sandoz, Inc.
3A	I.E. DuPont de Nemours & Co.	7Q	Schering (West Germany)
3E	Elanco Products Company	7U	Shell Chemical Company
3I	E. & M. Laboratories	7Z	Stauffer Chemical Company
3M	Fike Chemicals, Inc.	8A	Sumitomo Chemical Co., Ltd.(Japan)
3Q	FMC Corporation	8E	Tenneco Chemicals
3Z	Gulf Oil Chemical Company	8I	Thompson-Hayward Chemical Co.
4A	Hercules, Inc.	8M	Union Carbide Corporation
4E	Hoechst, AG (West Germany)	8Q	Uniroyal, Inc.
4I	ICI United States, Inc.	8U	The Upjohn Company
4P	Kumai Chemical (Japan)	8Z	U.S. Borax Research Corporation
4Z	3M Company	9A	Velsicol Chemical Corporation
5E	McLaughlin Gormley King Co.	9E	Vineland Chemical Co., Inc.
5I	Merck, Sharpe & Dohme	9I	West Agro-Chemical, Inc.
5K	Miller Chemical & Fertilizer	9M	Zoecon Corporation
5M	Mobil Chemical Company		

Section VI

INDEX OF PESTICIDE EQUIVALENT NAMES

The list of over 2,400 pesticide names in the following pages will assist the reader in tracking down the official or common names of a wide variety of pesticides when the only names available are of proprietary or trade origin.

Each page of the compendium consists of two columns of pesticidal compounds with each column showing on the left, in alphabetical order, a pesticide name including "common" as well as proprietary or trade names. In the center the common name is given if any has been assigned at the time of this edition. On the right a stock code number appears if the compound is one which is available from our repository stock.

The common or generic name is one confirmed for ordinary use by the United States Standards Organization (USSO). The common names are proposed by such organizations as the Weed Science Society of America (WSSA) or the Entomological Society of America (ESA). In many cases the name appearing under COMMON NAME is the name in most common use at the time of this edition and may well be a proprietary name for lack of an accepted common name. The reader should be aware, however, that during the life of this edition many compounds known currently only by trade names will be assigned common names.

The subject of pesticide nomenclature is constantly changing. Many people in the pesticide field have questioned the need to change relatively short, simple and long-duration names such as Trithion, Guthion, and Zectran to such tongue-twisters as carbophenothion, azinphos methyl and mexacarbate.

PESTICIDE EQUIVALENT NAMES

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Aatrex	Atrazine	0420	Aminozone	Daminozone	
Abate	Temephos	0020	Amiphos	DAEP	
Abathion	Temephos	0020	Amitrole	Amitrole	0200
AC-4124	Dicaphon		Amizine	Simazine	6160
AC-12880	Dimethoate	2420	Amizol	Amitrole	0200
AC-18682	Prothoate		Ammate	AMS	
AC-26691	Cythioate	1621	Amobam	Amobam	0220
AC-47031	Phosfolan	1610	Amoxone	2,4-D, triethanolamine salt	
AC-84777	Difenzoquat	2395	Amrol	Amitrole	0200
Acarben	Chlorobenzilate	1360	Ancymidol	Ancymidol	0230
Acaralate	Chloropropylate		Anilazine	Anilazine	2920
Acarin	Dicofol	2340	Aniten	Flurecol-n-butylester	3630
Acarol	Bromopropylate		Anofex	DDT	1880
Accelerate	Endothall	3240	Ansar 8100	DSMA	2860
Accothion	Fenitrothion	3480	Ansar 170	MSMA	4820
Acephate	Acephate	0025	Anthio	Formothion	3722
ACP 322	Naptalam	4920	Anthon	Trichlorfon	5780
Acquinate	Chloropicrin		Anthraquinone	Anthraquinone	0250
Acrex	Dinobuton		Anticarie	Hexachlorobenzene	3920
Acrisol	Binapacryl		Anti-K	Sulfa-quinoxaline	
Acrizane	Phenacridane chloride		Antimilace	Metalddehyde	
Acrolein	Acrolein	0027	Antiphen	Dichlorophen	
Acronize	Chlortetracycline		Antracol	Propineb	
Acrylaldehyde	Acrolein	0027	Antu	Antu	0260
Actellic	Pyrimiphos-methyl	5643	Aphoxide	Tepa	
Acti-Aid	Cycloheximide	1600	ApI-Luster	Thiabendazole	6660
Actidione	Cycloheximide	1600	AP0	Tepa	
Actispray	Cycloheximide	1600	Appex	Stirofo	3740
Activol	Gibberellic acid	3790	Aquacide	Diquat	2660
Aciril	Ioxynil	4040	Aqua-Kleen	2,4-D	2940
Aerotherm TT	Trichloroethane		Aqualin	Acrolein	0027
Afalon	Linuron	4240	Aquathol	Endothall	3240
Afesin	Monolinuron	4751	Aqua-Vex	Silvex	6120
Aflix	Formothion	3722	Aquinate	Chloropicrin	
Afos	Mecarbam	4441	Arasan	Thiram	6680
Afugan	Pyrazophos	5932	Arathane	Dinocap	2560
Agallol	MEMC		Aresin	Monolinuron	4751
Agrimycin	Streptomycin	6222	A-Rest	Ancymidol	0230
Agrisil	Trichloronate		Aretan	MEMC	
Agristrep	Streptomycin	6222	Aretit	Dinoseb-acetate	2566
Agritol	Bacillus Thuringiensis		Arisan	Buturon	
Agritox	Trichloronate		Aroclors	Polychlorinated biphenyls	5700-5707
Agrosan	PMA	5680	Arprocarb	Propoxur	0440
Agrotec	2,4-D	2940	Arrhenal	DSMA	2860
Agrothion	Fenitrothion	3480	Arsinyl	DSMA	2860
Agrox	Phenylmercury urea		ASP-51	Aspon	0300
Agroxon	MCPA	4340	Aspon	Aspon	0300
Akar	Chlorobenzilate	1360	Aspor	Zineb	7120
Alamos	Azothoate		Asulam	Asulam	0310
Alanap	Naptalam	4920	Asulox	Asulam	0310
Alar	Daminozide		Asuntol	Coumaphos	1540
Aldicarb	Aldicarb	0060	ATA	Amitrole	0200
Aldrin	Aldrin	0080	Atgard	Dichlorvos	2320
Aldrite 4	Aldrin	0080	Atlacide	Sodium chlorate	
Aldrosol	Aldrin	0080	Atlas 'A'	Sodium arsenite	
Alfacron	Iodofenphos		Atra-Bor	Atrazine & Borate	
Alfa-tox	Methoxychlor & Diazinon	4540, 2080	Atranex	Atrazine	0420
Alipur	Cyclorox & Chlorbufam		Atratol	Atrazine	0420
Alkron	Parathion	5245	Atrazine	Atrazine	0420
Alleron	Parathion	5245	Aureomycin	Chlortetracycline	
Allethrin	Allethrin	0100	Avadex	Diallate	2040
Allisan	Dichloran	2260	Avadex BW	Triallate	6770
Alltox	Toxaphene	6740	Avenge	Difenzoquat	2395
Allyveratrole	Methyl eugenol		Avicol	PCNB	5280
Altosid	Methoprene	4531	Avitrol	4-AP	
Ambox	Binapacryl		Avlothane	Hexachloroethane	
Ambush	Aldicarb	0060	Axiom-n	Akton	
Amcide	AMS		Azak	Terbutol	
Amerol	Amitrole	0200	Azidithion	Menazon	4453
Amethopterin	Methotrexate		Azinphos-ethyl	Azinphos-ethyl	3840
Ametrex	Ametryn	0120	Azinphos-methyl	Azinphos-methyl	3820
Ametryn	Ametryn	0120	Aziprotryn	Aziprotryn	
Amex 820	Dibutalin		Azobenzene	Azobenzene	0340
Amiben	Chloramben	0140	Azobenzide	Azobenzene	0340
Amidithion	Amidithion		Azodrin	Monocrotophos	0360
Amid-thin W	Naphthalene acetamide	4880	Azofume	Azobenzene	0340
Aminocarb	Aminocarb	0180			
Aminotriazole	Amitrole	0200			

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
B-995	Daminocide		Bayrusil	Quinalphos	5966
Bakthane	Bacillus Thuringiensis		Baytan	MEMC	
Balan	Benefin	0480	Baytex	Fenthion	3520
Balfin	Benefin	0480	Baythion	Phoxim	
Banafine	Benefin	0480	BCPE	Dimite	
Banex	Dicamba	2140	Belt	Chlordane	1200
Ban-Hoe	Lenacil & Propham	4185, 5860	Benalan	Benefin	0480
Banol	Carbanolate		Bencornox	Benazolin	
Bantrol	Ioxynil	4040	Benefin	Benefin	0480
Banvel D	Dicamba	2140	Benfluralin	Benefin	0480
Banvel M	MCPA & Dicamba	4340, 2140	Benlate	Benomyl	0500
Banvel T	Tricamba		Benomyl	Benomyl	0500
Barbamate	Barban	0400	Bensofume	Azobenzene	0340
Barban	Barban	0400	Bensulide	Bensulide	0520
Barbasco	Rotenone-containing plants		Bentazon	Bentazon	0425
Baron	Erbon	3320	Benthiocarb	Benthiocarb	
BAS 2903-H	Prynachlor		Bentranil	Bentranil	0574
Basagran	Bentazon	0425	Benzac	2,3,6-TBA	6920
Basalin	Fluchloralin	0407	Benzac 354	PBA	
Basamaize	Prynachlor		Benzadox	Benzadox	0577
Basinite	Dinoseb	2760	Benzahex	BHC	0600
Basfapon	Dalapon-Na	1660	Benzene hexachloride	BHC	0600
Basudin	Diazinon	2080	Benzex	BHC	0600
Batasan	Fentin acetate	3527	Benzilan	Chlorobenzilate	1360
Bavistin	BCM		Benzoylprop ethyl	Benzoylprop ethyl	0578
Bay 13/59	Trichlorphon	6780	Benzyl Benzoate	Benzyl Benzoate	0580
Bay 2352	Niclosamide		Berelex	Gibberellic acid	3790
Bay 5212	Tolyfluand		Betanal	Phenmedipham	5410
Bay 6072	Fenaminosulf	2020	Betanal AM	Desmedipham	2006
Bay 9010	Propoxur	0440	Beta-naphthol	2-Naphthol	4925
Bay 10756	Demeton	1981, 1982	Betanex	Desmedipham	2006
Bay 15080	Benquinox		Betasan	Bensulide	0520
Bay 15203	Demeton-methyl		BHC	BHC	0600
Bay 16259	Azinphos-ethyl	3840	BHC, gamma	Lindane	0680
Bay 17147	Azinphos-methyl	3820	Bidisin	Methachlorphenprop	
Bay 18510	Phenthoate		Bidrin	Dicrotophos	0700
Bay 19639	Disulfoton	2720	Bifenox	Bifenox	0733
Bay 21097	Oxydemeton-methyl	5220	Big Dipper	Diphenylamine	
Bay 22555	Fenaminosulf	2020	Bilobran	Monocrotophos, Dodine & Dinocap	0360, 2560
Bay 23323	Oxydisulfoton		Binnell	Benefin	0480
Bay 23655	Metasystox S		Bioquin	Copper 8-Quinolates	
Bay 25141	Fensulfothion	3500	Bioresmethrin	Resmethrin	6055
Bay 25634	Coumatetralyl		Biostat PA	Oxytetracycline	
Bay 25648	Clonitralid	0460	Biothion	Temephos	0020
Bay 29493	Fenthion	3520	Biotrol BTV	Bacillus Thuringiensis	
Bay 30130	Propanil	5840	Biotrol-Plus	Bacillus Thuringiensis & Pyrethrins	
Bay 30686	Thioquinox		Biphenyl	Biphenyl	0740
Bay 32394	Fungilon		Birlane	Chlorfenvinphos	1300
Bay 33051	Phenthoate		Bis-ethyl xanthogen	EXD	3420
Bay 33172	Fuberidazole		Black Leaf 40	Nicotine	
Bay 36205	Oxythioquinox	4800	Bladafume	Sulfotep	
Bay 37289	Trichloronate		Bladan	Parathion	5245
Bay 37344	Methiocarb	4500	Bladex	Cyanazine	1552
Bay 38819	Gophacide		Blattanex	Propoxur	0440
Bay 39007	Propoxur	0440	Blue Vitriol	Copper sulfate	
Bay 41831	Fenitrothion	3480	Blulan	Benefin	0480
Bay 44646	Aminocarb	0180	B-Nine	Daminozide	
Bay 45432	Omethoate		Bo-Ana	Famphur	3440
Bay 46131	Propineb		Bolero	Benthiocarb	
Bay 47531	Dichlofluanid		Bordermaster	MCPA	4340
Bay 49854	Tolyfluand		Borolin	Picloram	5600
Bay 50282	Allyxycarb		Botran	Dichloran	2260
Bay 60618	Benzthiazuron		Botrilex	PCNB	5280
Bay 68138	Nemacur		Bovinex	Trichlorfon	6780
Bay 70143	Carbofuran	1040	Brasoran	Aziprotryn	
Bay 70533	Methachlorphenprop		Bravo	Chlorothalonil	1640
Bay 71628	Methamidophos	4750	Brestan	Fentin acetate	3527
Bay 74283	Methabenzthiazuron		Broadside	MSMA & Sodium Cacodylate	
Bay 77049	Quinalphos	5966	Brofene	Bromophos	0840
Bay 77488	Phoxim		Bromacil	Bromacil	0800
Bay 78418	Ediphenfos		Bromax	Chlorbromuron	
Bay 79770	Chloranifformethane		Bromochlorphos	Naled	4860
Bay 94337	Metribuzin		Bromeflor	Ethephon	3330
Baygon	Propoxur	0440	Bromex	Naled or Chlorbromuron	4860 or --
Bayluscide	Clonitralid	0460	Brominal	Bromoxynil Octanoate	
Baymix	Coumaphos	1540	Bromodan	Bromocyclen	

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Bromofume	Ethylene dibromide		Cela S-2225	Bromophos ethyl	0860
Brom-O-Gas	Methyl bromide		Cela S-4084	Cyanox	
Bromophenoxim	Bromophenoxim		Cela S-4087	Surecide	6360
Bromophos	Bromophos	0840	Cela S-6000	Cypromid	
Bromophos-ethyl	Bromophos-ethyl	0860	Cela S-6115	Cyprazine	1615
Bromopropylate	Bromopropylate		Cela W-524	Triforine	6822
Bromoxynil	Bromoxynil	0820	Celdion	Fentiazon	
Bromsalans	Diaphene	2060	Celfume	Methyl bromide	
Bronate	MCPA & Bromoxynil	4340, 0820	Celmer	MEMC	
Brophene	Bromophos	0840	Celmide	Ethyl dibromide	
Brozone	Methyl bromide & Chloropicrin		Celmone	Naphthalene	
Brush-Rhap	2,4,5-T	6840		acetic acid	4900
BTV	Bacillus Thuringiensis		Celphos	Aluminum phosphide	
Buctril	Bromoxynil Octanoate		CEPHA	Ethephon	3330
Bueno	MSMA	4820	Cercobin	Thiophanate	6670
Bulan	Bulan		Cercobin M	Thiophanate-methyl	6671
Bunema	Bunema	0916	Ceredon	Benquinox	
Busan 72	TCMTB		Ceregam	Methoxyethylmercury silicate	
Butachlor	Butachlor	0922		Benquinox	
Butacide	Piperonyl Butoxide	5620	Cereline	Ethyl mercury chloride	3400
Butopyronoxyl	Indalone		Ceresan	Ioxynil	4040
Butralin	Butralin	0933	Certrol	Simazine	6160
Butylate	Butylate	0940	CET		
Butyrac	2,4-DB	3080	Cevadine	Sabadilla	
Butyron	Buturon		Cevadilla	Sabadilla	
Bux	Metalkamate	0960	CGA 10832	Profluralin	
			Chemathion	Malathion	4260
			Chem Bam	Nabam	4840
C-709	Dicrotophos	0700	Chem-Hoe	Propham	5860
C-1414	Monocrotophos	0360	Chem Neb	Maneb	4300
C-1983	Chloroxuron		Chem-O-Bam	Amobam	0220
C-2059	Fluometuron	3620	Chemox General	Dinoseb	2760
C-2446	Amidithion		Chem Rice	Propanil	5840
C-3126	Metabromuron		Chem Zineb	Zineb	7120
C-3470	Difenoxuron		Chinomethionate	Oxythioquinox	4800
C-6313	Chlorbromuron		Chinosol	8-Quinolinol sulfate	
C-6989	Fluorodifen		Chinothionat	Thioquinox	
C-7019	Aziprotryn		Chip-Cal	Calcium arsenate	0980
C-7744	Carbaryl	1060	Chipco Buctril	Bromoxynil	0820
C-8353	Dioxacarb		Chipco Crab Kleen	DSMA	2860
C-8514	Chlordimeform	1480	Chipcote	Methylmercury nitrite	
C-9122	Bromofenoxin		Chipco Turf		
C-9491	Iodofenphos		Herbicide "D"	2,4-D	2940
Cacodylic acid	Cacodylic acid	0961	Chipco Turf		
Calcium acid methanearsonate	CAMA		Herbicide MCPP	MCPP	4400, 2940
Calcium arsenate	Calcium arsenate	0980	Chipco Turf Kleen	MCPP & 2,4-D	4340
Caldron	Dinoseb	2760	Chiptox	MCPA	0140
Calixin	Tridemorph	6792	Chloramben	Chloramben	1180
Camphochlor	Toxaphene	6740	Chloranil	Chloranil	
Cantral	MCPB	4380	Chloranocryl	Dicryl	
Caparol	Prometryn	5780	Chlorasol	Ethylene dichloride	1340
Captafol	Captafol	1000	Chlorbenside	Chlorbenside	
Captan	Captan	1020	Chlorbromuron	Chlorbromuron	
Caragard	Terbumeton		Chlor Chem T-590	Toxaphene	6740
Carbamult	Promecarb	5752	Chlordane	Chlordane	1200
Carbaryl	Carbaryl	1060	Chlordecone	Chlordecone	1280
Carbatene	Metiram		Chlordene	Chlordene	1260
Carbendazim	Carbendazim	1071	Chlordimeform	Chlordimeform	1480
Carbetamide	Carbetamide	1074	Chlorex	Dichlorethyl ether	
Carbicron	Dicrotophos	0700	Chlorfenac	Fenac	3460
Carbofos	Malathion	4260	Chlorfenidim	Monuron	4760
Carbofuran	Carbofuran	1040	Chlorfenson	Ovex or Chlorfenson	
Carbophenothion	Carbophenothion	1080	Chlorfenvinphos	Chlorfenvinphos	1300
Carboxin	Carboxin	1100	Chlorinat	Barban	0400
Carbyne	Barban	0400	Chlorinated		
Carfene	Azinphos-methyl	3820	Camphene	Toxaphene	6740
Carpene	Dodine	2780	Chlor Kil	Chlordane	1200
Carpidor	Benefin	0480	Chlormephos	Chlormephos	1316
Carzol SP	Formetanate hydrochloride	3680	Chlormequat Chloride	Chlormequat chloride	1320
Casoron	Dichlobenil	2200	Chlorobenzilate	Chlorobenzilate	1360
Castrix	Crimidine		Chloroble Forte	Lindane, endosulfan, copper oxide	
CDAA	CDAA	1140			
CDEC	CDEC	1160	Chloroble M	Maneb	4300
CDT	Simazine	6160	Chlorocide	Chlorbenside	1340
Cela A-36	Decafentini		Chlorofenizon	Ovex or Chlorfenson	
Cela S-1942	Bromophos	0840	Chloro IPC	Chlorpropham	1420
			Chloroneb	Chloroneb	1380
			Chlorophacinone	Chlorophacinone	1425

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Chlorophos	Trichlorfon	6780	Crag Herbicide 2	Dichloralurea	
Chloromethane	Methyl chloride		Crag Nemacide	Dazomet	
Chlorophenothane	DDT	1880	Croneton	Ethiophencarp	
Chlor-O-Pic	Chloropicrin		Crop Rider	2,4-D	2940
Chloropropylate	Chloropropylate		Crotoxyphos	Crotoxyphos	1500
Chlorothalonil	Chlorothalonil	1640	Crufomate	Crufomate	6020
Chlorothene Nu	Trichloroethane		Cryolite	Cryolite	1546
Chloroxone	2,4-D	2940	Cube	Rotenone	6000
Chloroxuron	Chloroxuron		Cufram Z	Cufraneb	
Chlorparacide	Chlorbenside	1340	Cuman	Ziram	7100
Chlorphenamidine	Chlordimeform	1480	Cunilate	Copper 8-Quinolinate	
Chlorphos	Trichlorfon	6780	Cupramar	Copper oxychloride	
Chlorpropham	Chlorpropham	1420	Cupravit	Copper oxychloride	
Chlorpyrifos	Chlorpyrifos	2900	Cuprinol	Copper naphthenates	
Chlorsulphacide	Chlorbenside	1340	Cuprokyt	Copper oxychloride	
Chlorthal-methyl	DCPA	1720	Cuprox	Copper oxychloride	
Chlorthiepin	Endosulfan	3180	Curamil	Pyrazophos	5932
Chromaphon	Dition		Curaterr	Carbofuran	1040
Chryscon	Resmethrin	6055	Curitan	Dodine	2780
CIBA 709	Dicrotophos	0700	Cu-Sprex	Dichlobenil	2200
CIBA 1414	Monocrotophos	0360	Cyanazine	Cyanazine	1552
CIBA 8353	Dioxacarb		Cyanogas	Calcium cyanide	
CIBA 8514	Chlordimeform	1480	Cycloate	Cycloate	1591
Cidial	Phenthoate		Cycloclan	Endosulfan	3180
Cinerin I,			Cycloheximide	Cycloheximide	1600
allyl homolog	Allethrin	0100	Cyclon	Hydrocyanic acid	
Ciodrin	Crotoxyphos	1500	Cycocel	Chlormequat chloride	1320
Ciovap	Crotoxyphos & Dichlorvos	1500, 2320	Cycogan	Chlormequat chloride	1320
CIPC	Chlorpropham	1420	Cyffee	Cythioate	1621
Citrazon	Benzomate		Cygon	Dimethoate	2420
Clobber	Cyproimid		Cylan	Phosfolan	1610
Clonitralid	Clonitralid	0460	Cymag	Sodium cyanide	
CMOP	Mevinphos	4640	Cynem	Thionazin	
CMPP	MCP	4400	Cyolane	Phosfolan	1610
Cobex	Dinitramine	2551	Cyprazine	Cyprazine	1615
Colloidex	Copper oxychloride		Cyprex	Dodine	2780
Comite	Propargite	5160	Cythioate	Cythioate	1621
Compound 448	2-Phenylcyclohexanol		Cythion	Malathion	4260
Compound 1080	Sodium fluoroacetate		Cytrol	Amitrole	0200
Compound 1081	Fluoroacetamide		Cytrolene	Mephosfolan	1630
Compound 4072	Chlorfenvinphos	1300			
Compound 7744	Carbaryl	1060	2,4-D	2,4-D	2940
Copper oxinate	Copper 8-Quinolinate		D-735	Carboxin	1100
Coprantol	Copper oxychloride		D-1221	Carbofuran	1040
Copro	Copper oxychloride sulfate		DAC 893	DCPA	1720
Co-Ral	Coumaphos	1540	Dacamine	Salts of 2,4-D & 2,4,5-T	
Corbit	Anthraquinone	0250			
Cornox CWK	Benazolin		Daconate	MSMA	4820
Cornox RK	Dichlorprop	2309	Daconil	Chlorothalonil	1640
Corodane	Chlordane	1200	Dacthal	DCPA	1720
Coromerc	Phenylmercury ethylenediamine		DAEP	DAEP	
Corothion	Parathion	5245	Dagadip	Carbophenothion	1080
Corozate	Ziram	7100	Dalapon	Dalapon	1660
Cotnion-ethyl	Azinphos ethyl	3840	Dal-E-Rad 100	DSMA	2860
Cotnion-methyl	Azinphos methyl	3820	Dalif	Parathion-methyl	4580
Cotoran	Fluometuron	3620	Danex	Trichlorfon	6780
Coumachlor	Coumachlor		Daphene	Dimethoate	2420
Coumafene	Warfarin	7060	Dasanit	Fensulfothion	3500
Coumafuryl	Coumafuryl	3720	DATC	Diallate	2040
Coumaphos	Coumaphos	1540	Daxtron	Pyriclor	
Coxysan	Copper oxychloride		Dazzel	Diazinon	2080
CP 4742	CDEC	1160	2,4-DB	2,4-DB	3080
CP 6343	DCAA	1140	DBCP	Dibromochloropropane	2090
CP 15336	Diallate	2040	2,6-DBN	Dichlobenil	2200
CP 31393	Propachlor	5820	DBP	Dibutyl Phthalate	2120
CP 50144	Alachlor	4160	DCMA	Dicryl	
CP 53619	Butachlor	0922	DCMOD	Oxycarboxin	5670
CPBS	Fenson		DCMU	Diuron	2740
CPCBS	Oxex or Chlorfenson		DCNA	Dichloran	2260
Crab-E-Rad 100	DSMA	2860	DCPA	DCPA	1720
Crag Fly Repellant	Butoxy polypropylene glycol		DCPC	Dimite	
			DCPM	Neotran	
Crag Fruit			DCU	Dichloral urea	
Fungicide 341	Glyodin		DDA	DDA	1740
Crag Fungicide 974	Dazomet		DDD	DDD	1750
Crag Herbicide 1	Sesone		DDE	DDE	1840, 1860
			DDMU	p,p'-DDD, olefin	1800

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DDT	DDT	1880	Dichlorprop	Dichlorprop	2309
DDVE	Dichlorvos	2320	Dichlorvos	Dichlorvos	2320
DDVP	Dichlorvos	2320	Diclotron	Dichlobenil & Fluometuron	2200, 3620
Dechlorane	Mirex	4720	Dicofol	Dicofol	2340
De-Cut	MH	2280	Dicrotophos	Dicrotophos	0700
Dedelo	DDT	1880	Dicurane	Chlorotoluron	
Dedevap	Dichlorvos	2320	Dieldrin	Dieldrin	2380
Ded-Weed	2,4-D, Dalapon-Na & 2,4,5-T	2940, 1660, 6840	Diethion	Ethion	3340
DEF	DEF	1940	Diethquinalphion	Quinalphos	5966
De-Fend	Dimethoate	2420	Diethyl phosphate	Diethyl phosphate	2386
De-Fol-Ate	Magnesium chlorate		Diethyl toluamide	Deet	
De-Green	DEF	1940	Difenoxuron	Difenoxuron	
Deiquat	Diquat	2660	Difenson	Oxex or Chlorfenson	
Delan	Dithianon	2721	Difenthos	Temephos	0020
Delan-Col	Dithianon	2721	Difenzoquat	Difenzoquat	2395
Deleaf Defoliant	Folex	3640	Diflubenzuron	Diflubenzuron	2406
Delicia	Aluminum phosphide		Difolatan	Captafol	1000
Delnav	Dioxathion	2580	Dihydropyrone	Indalone	
Delphene	Deet		Dikar	Mancozeb & Dinocap	
Delsan	Thiram	6680	Dilan	Dilan	
Demeton-O	Demeton-O	1981	Dilan I	Prolan	
Demeton-S	Demeton-S	1982	Dilan II	Bulan	
Demosan	Chloroneb	1380	Dimecron	Phosphamidon	5580
Demos-L40	Dimethoate	2420	Dimelone	Dimethyl carbate	
Demox	Demeton	1981, 1982	Dimephenthoate	Phenthoate	
Dermaton	Dichlorvos	2320	Dimethan	Dimetan	
Derrin	Rotenone	6000	Dimethirimol	Dimethirimol	2416
Derris	Rotenone	6000	Dimethoate	Dimethoate	2420
Des-I-Cate	Endothall	3240	Dimethogen	Dimethoate	2420
Desmedipham	Desmedipham	2006	Dimethylarsinic acid	Cacodylic acid	0961
2,4-DES-Na	Sesone		Dimethyl phosphate	Dimethyl phosphate	2458
De-Sprout	MH	4280	Dimethyl phthalate	Dimethyl phthalate	2460
Dessin	Dinobuton		Dimetilan	Dimetilan	2480
Detamide	Deet		Dimilin	Diflubenzuron	2406
Dethdiet	Red Squill		Dinex	Dinex	
Dethmore	Warfarin	7060	Dinitramine	Dinitramine	2551
Devrinol	Napropamide	2010	DinitrobutylphenoI	Dinoseb	2760
DEX	EXD	3420	Dinitrocresol	DNOC	2770
Dexon	Fenaminosulf	2020	Dinitrocyclohexyl-phenol	Dinex	2520
Dextone X	Paraquat dichloride	5240	Dinitro-o-sec-amyIphenol	Dinosam	
Dextrone	Diquat dibromide	2660	Dinocap	Dinocap	2560
DHA	Dihydroacetic acid		Dinofen	Dinobuton	
Dialifor	Dialifor	2035	Dinoseb	Dinoseb	2760
Diallate	Diallate	2040	Dinoseb acetate	Dinoseb acetate	2566
Diametan	Fulfogen		Dinoseb methacrylate	Binapacryl	
Dianat	Dicamba	2140	Dinoterb acetate	Dinoterb acetate	
Diaphene	Diaphene	2060	Di-on	Diuron	2740
Diazajet	Diazinon	2080	Dioxacarb	Dioxacarb	
Diazide	Diazinon	2080	Dioxathion	Dioxathion	2580
Diazinon	Diazinon	2080	Dipan	Diphenatril	
Diazoben	Fenaminosulf	2020	Dipel	Bacillus Thuringiensis	
Diazel	Diazinon	2080	Diphacin	Diphacinone	2600
Dibam	Sodium dimethyl dithiocarbamate		Diphacinone	Diphacinone	2600
Dibrom	Naled	4860	Diphenamid	Diphenamid	2620
Dibromoethane	Ethylene dibromide		Diphenyl	Biphenyl	0740
Dibutyl phthalate	Dibutyl phthalate	2120	Diphenyl mercury	Diphenyl mercury	2640
Dibutyl succinate	Tabutrex		Dipropetryn	Dipropetryn	
Dicamba	Dicamba	2140	Dipterex	Trichlorfon	6780
Di-Captan	Dicapthon		Diquat dibromide	Diquat dibromide	2660
Dichlobenil	Dichlobenil	2200	Direz	Anilazine	2920
Dichlor	Dichlobenil	2200	Dirimal	Oryzalin	5148
Dichlorfenidin	Diuron	2740	Disan	Bensulide	0520
Dichlofenthion	Dichlofenthion	2220	Disodium methane-arsenate	DSMA	2860
Dichlone	Dichlone	2180	Disparlure	Disparlure	
Dichlorobenzene-o	Dichlorobenzene-o	2280	Disulfoton	Disulfoton	2720
Dichlorobenzene-p	Dichlorobenzene-p	2300	Disul-Na	Sesone	
Dichloroethane	Ethylene dichloride		Di-Syston	Disulfoton	2720
Dichloronitroethane	Ethide		Disyston S	Oxydisulfoton	
Dichlorophenoxy-acetic acid	2,4-D	2940	Disyston sulphoxide	Oxydisulfoton	
Dichloropropane	Propylene dichloride	2306	Di-Tac	DSMA	2860
Dichloropropene	Dichloropropene		Dithane A-40	Nabam	4840
Dichloropropionic acid	Dalapon	1660	Dithane D-14	Nabam	4840
Dichlorphenidim	Diuron	2740	Dithane M-22	Maneb	4300
Dichlorphos	Dichlorvos	2320			

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Dithane M-45	Mancozeb		Du-Sprex	Dichlobenil	2200
Dithane Z-78	Zineb	7120	Du-Ter	Fentin hydroxide	3540
Dithianon	Dithianon	2761	Dyanap	Naptalam	4920
Dithio	Sulfotep		Dybar	Fenuron	
Dithiodemeton	Disulfoton	2720	Dyfonate	Fonofos	2910
Dithiomethon	Thiometon	6665	Dylox	Trichlorfon	6780
Dithione	Sulfotep		Dymid	Diphenamid	2620
Dithiosystox	Disulfoton	2720	Dynanap	Dinoseb & Naptalam	2760, 4920
Ditranil	Dichloran	2260	Dynoram	Chloramben & Dinoseb	0140, 2760
Diurex	Diuron	2740	Dyrene	Anilazine	2920
Diuro1	Diuron & Amitrole	2740, 0200			
Diuron	Diuron	2740			
Divipan	Dichlorvos	2320	E-500	Ambithion	
DMA	DSMA	2860	E-600	Paraaxon	
DMC	Dimite		E-605	Parathion	5245
DMP	Dimethyl phthalate	2460	E-838	Potasan	
DMTT	Dazomet		E-1059	Demeton	1981, 1982
DMU	Diuron	2740	Easy Off-D	Folex	3640
DN-111	Dinex	2520	Ectoral	Ronnel	5980
DN-289	Dinoseb	2760	EDE	Ethylene dibromide	
DNAP	Dinosam		EDC	Ethylene dichloride	
DNBP	Dinoseb	2760	Ekalux	Quinalphos	5966
DNC	DNOC	2770	Ekatin	Thiometon	6665
DNOC	DNOC	2770	Ekatin M	Morphothion	4803
DNOCHP	Dinex	2520	Ektafos	Dicrotophos	0700
DNOSAP	DNAP		El-119	Oryzalin	5148
DNOSPB	Dinoseb	2760	El-179	Isopropalin	4070
DO 14	Propagite	5160	El-241	Parinol	5251
Dodine	Dodine	2780	El-273	Triarimol	
Doquadine	Dodine	2780	El-531	Ancymidol	0230
Do1 Granule	Lindane	0680	Elancolan	Trifluralin	6800
Doom	Milky disease spores		Elgetol 30	DNOC	2770
DOP	Diocetyl phthalate		Elgetol 318	Dinoseb	2760
Dorlone	Dichloropropene	2306	Elcron	Dioxacarb	
Dormone	2,4-D	2940	Elsan	Phenthoate	
Dosanex	Metoxuron	4631	Elvaron	Dichlofluanid	
Double-Noctin	Captan & N-fixing bacteria		EM-923	Genite	
Dovip	Famphur	3440	Embutox	2,4-DB	3080
Dowco 118	Zytron		EMC	Ethylmercury chloride	3400
Dowco 132	Crufomate	6020	Emmatas	Malathion	4260
Dowco 179	Chlorpyrifos	2900	Endosan	Binapacryl	
Dowco 213	Plictran		Endosulfan	Endosulfan	3180
Dow General	Dinoseb	2760	Endothall	Endothall	3240
Dowfume W-85	Ethyl dibromide		Endox	Coumatetralyl	
Dowicide A	Sodium phenylphenate	2800	Endrin	Endrin	3260
Dowicide B	Sodium trichlorophenate		Enide	Diphenamid	2620
Dowicide F	Sodium tetrachlorophenate		Entex	Fenthion	3520
Dowicide G	Sodium pentachlorophenate		EP-332	Formetanate hydrochloride	3680
Dowicide 1	O-Phenylphenol	5490	EP-333	Chlordimeform	3680
Dowicide 2	2,4,5-Trichlorophenol	6890	EP-452	Phenmedipham	5470
Dowicide 2S	2,4,6-Trichlorophenol		EP-475	Desmedipham	2006
Dowicide 4	2-Chloro-4-phenylphenol		Ephirsulphonate	Ovex or Chlorfenson	
Dowicide 6	2,3,4,6-Tetrachlorophenol	2840	EPN	EPN	3280
Dowicide 7	PCP & other chlorophenols		Epoxyethane	Ethylene oxide	
Dowlap	Trichloronitrophenol		Epoxypropane	Propylene oxide	
Dowpon	Dalapon-Na	1660	Eptam	EPTC	3300
Dow Selective	Dinoseb	2760	Eptapur	Buturon	
Dowspray 9	Styrene dibromide		EPTC	EPTC	3300
DP-35	Propanil	5840	Equigard	Dichlorvos	2320
2,4-DP	Dichlorprop	2309	Equino-Aid	Trichlorfon	6780
DPA	Propanil	5840	Eradex	Thioquinox	
Drat	Chlorophacinone	1425	Erazidon	Thioquinox	
Drawinol	Dinobuton		Erbon	Erbon	3320
Draza	Methiocarb	4500	Esteron	2,4-D	2940
Drazoxolon	Drazoxolon	2792	Esteron 245	2,4,5-T	6840
DRB	Nirit		Estone	2,4-D	2940
Drinox	Aldrin	0080	Estonmite	Ovex or Chlorfenson	
Drinox H-34	Heptachlor	3860	Estox	Metasystox-S	
Drop Leaf	Sodium chlorate		Ethephon	Ethephon	3330
DSE	Nabam	4840	Ethiolate	Ethiolate	3335
DSMA	DSMA	2860	Ethion	Ethion	3340
DU 112307	Diifluron		Ethirinol	Ethirinol	3359
DuBay 115HH	Ethylmercury iodide		Ethodan	Ethion	3340
Duphar	Tetradifon	6600	Ethohexadiol	Ethylhexanediol	3380
DuPont			Ethoprop	Ethoprop	5880
Insecticide 1179	Methomyl	4520	Ethrel	Ethephon	3330
Duraset	N-m-t		Ethyl Guthion	Azinphos ethyl	3840
Dursban	Chlorpyrifos	2900	Ethylhexanediol	Ethylhexanediol	3380

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Ethylmercury chloride	Ethylmercury chloride	3400	Fluanyl Fluometuron	Flueneethyl Fluometuron	3620
Ethyl parathion	Parathion	5245	Fluorakil 100	Fluoroacetamide	
Ethyl pyrophosphate	TEPP	6540	Fluoridamid	Fluoridamid	3623
Ethyl xanthogen disulfide	EXD	3420	Fluorodifen	Fluorodifen	
Etilon	Parathion	5245	Fluorogesaro1	DFDT	
ETO	Ethylene oxide		Fluoroparacide	Fluorobenside	
Etrofol	CPMC		Flurecol-n-butylester	Flurecol-n-butylester	3630
Etrofolan	MIPC		FMC 10242	Carbofuran	1040
Etolene	Ronnel	5980	Folbex	Chlorobenzilate	1360
Eulava SM	Magnesium fluosilicate		Folcid	Captafol	1000
Euparen	Dichlofluanid		Folex	Folex	3640
Euparen M	Tolyfluanid		Folidol E-605	Parathion	5245
Eurex	Cycloate	1591	Folidol M	Parathion methyl	4580
Evik	Ametryn	0120	Folimat	Omethoate	
Evital	Norflurazon	5136	Folithion	Fenitrothion	3480
EXD	EXD	3420	Folosan	Tecnazene	6435
Exothion	Endothion		Folpan	Folpet	3660
Exporsan	Bensulide	0520	Folpet	Folpet	3660
E-Z-Off	Magnesium chlorate		Fonofos	Fonofos	2910
E-Z-Off D	DEF	1940	Forestan	Oxythioquinox	4800
			Forlin	Lindane	0680
F-319	Hymexazol		For-Mal 50	Malathion	4260
F-461	Oxycarboxin	5670	Formetanate	Formetanate	
Fac	Prothoate		Hydrochloride	hydrochloride	3680
Fac Super	Prothoate & Ovex		Formothion	Formothion	3722
Fair-Tac	n-Decanol		Forron	2,4,5-T	6840
Fall	Sodium chlorate		Forstan	Oxythioquinox	4800
Faladin	2,4-DEP		Forturf	Chlorothalonil	1640
Falone	2,4-DEP		Fos-Fall "A"	DEF	1940
Famid	Dioxacarb		Fosfamid	Dimethoate	2420
Famofos	Famphur	3440	Fosferno 50	Parathion	5245
Famphur	Famphur	3440	Fosferno M50	Parathion, methyl	4580
Faneron	Bromofenoxim		Fostion	Prothoate	
Fanfos	Famphur	3440	Fostion MM	Dimethoate	2420
Far-Go	Triallate	6770	Foxlene	Pinolene	
Fatal	DCPA	1720	Frescon	Trifenmorph	
FBHC	BHC	0600	Frucote HCl salt	sec-Butylamine	
Fen-all	2,3,6-TBA	6920	Fruitone A	2,4,5-T	6840
Fenac	Fenac	3460	Fruitone CPA	3-CPA	
Fenaminosulf	Fenaminosulf	2020	Fruitone M	Naphthaleneacetic acid	4900
Fenatrol	Atrazine, Amitrole, & Fenac	0420, 0200, 3460	Fruitone T	Silvex	6120
			Frumin Al	Disulfoton	2720
Fence Rider	2,4,5-T	6840	Fuklasin	Ziram	7100
Fenchlorfos	Ronnel	5980	Fumarin	Coumafuryl	3720
Fenidin	Fenuron		Fumazone	Dibromochloropropane	2090
Fenitrothion	Fenitrothion	3480	Funda1 EC	Chlordimeform	1480
Fenizon	Fenson		Fungiclor	PCNB	5280
Fenoflurazole	Fenozaflor		Funginex	Triforine	6822
Fenolovo acetate	Fentin acetate	3527	Fungo 50	Thiophanate methyl	6671
Fenophosphon	Trichloronate		Furadan	Carbofuran	1040
Fenoprop	Silvex	6120	Furloe	Chlorpropham	1420
Fensulfothion	Fensulfothion	3500	Fusarex	Tecnazene	6435
Fenthion	Fenthion	3520	FW-293	Dicofol	2340
Fentin acetate	Fentin acetate	3527	FW-734	Propanil	5840
Fentin hydroxide	Fentin hydroxide	3540	FW-925	Nitrofen	5040
Fenulon	Fenuron		Fyfanon	Malathion	4260
Ferbam	Ferbam	3600			
Berberk	Ferbam	3600	G-11	Hexachlorophene	3940
Fermate	Ferbam	3600	G-18359	KIK	
Fermide 850	Thiram	6680	G-19258	Dimetan	
Fernasan	Thiram	6680	G-22008	Pyrolan	
Fernesta	2,4-D	2940	G-22870	Dimetilan	
Fernimine	2,4-D	2940	G-23330	Pyramat	
Fernoxone	2,4-D	2940	G-23611	Isolan	
Ferxone	2,4-D	2940	G-23645	Etosinol	
Field Kleen Weed			G-24163	Chloropropylate	
Killer	2,4-D	2940	G-24480	Diazinon	2080
Filarfol	Bromophos ethyl	0860	G-24622	Pyrazinon	
Finidim	Fenuron		G-27901	Trietazine	
Fitios B/77	Ethoate-methyl		G-28029	Phencapton	5400
Floraltone	TIBA		G-30026	Norazine	
Flore1	Ethephon	3330	G-30027	Atrazine	0420
Florencol	Flurecol-n-butylester	3630	G-30028	Propazine	5800
Florocid	Sodium fluoride		G-30044	Simetone	
Fluchloralin	Fluchloralin	0407	G-30130	Propanil	5840

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G-30344	Simazine	6160	Halizan	Metaldehyde	
G-30494	Methyl phencapton		Hallowaxes	Polychlorinated naphthalenes	
G-31435	Prometon	5780	Halts	Bandane	
G-31717	Ipatone		Hanane	Dimefox	
G-32293	Atraton		Harven	Dihydroacetic acid (Na salt)	
G-32911	Simetryn		HC-1281	2,3,6-TBA	6920
G-34161	Prometryn	5780	HCA	Hexachloroacetone	
G-34162	Ametryn	0120	HCB	Hexachlorobenzene	3920
G-34690	Methometon		HCCH	BHC	0600
G-36393	Metroprotryn		HCH	BHC	0600
Galecron	Chlordimeform	1480	HCN	Hydrocyanic acid	
Gallotox	PMA	5680	Hedonal	Various formulations of 2,4-D, MCPA, MCPP, 2,4-DP & 2,4,5-T	
Gamaphex	Lindane	0680	Hedonal DP	Dichlorprop	2309
Gammilin	Lindane	0680	Helio tox	Toxaphene & DDT	6740, 1880
Gamma BHC	Lindane	0680	HEOD	Dieldrin	2380
Gammex	Lindane	0680	Heptachlor	Heptachlor	3860
Gammexane	Lindane	0680	Heptachlor epoxide	Heptachlor epoxide	3880
Ganocide	Drazoxolon	2792	Heptamul	Heptachlor	3860
Gardentox	Diazinon	2080	Herban	Norea	5120
Gardona	Stirofos	3740	Herbicide 273	Endothall	3240
Gardoprim	Terbuthylazine		Herbisan	EXD	3420
Garlon	Silvex	6120	Herbizol	Amitrole	0200
Garrathion	Carbophenothion	1080	Hercules AC 528	Dioxathion	2580
Gatnon	Benzthiazuron		Hercules AC5727	UC 10854	
GC-1283	Mirex	4720	Hercules 7531	Norea	
GC-2466	Mucochloric anhydride		Hercules 9573	Terbutol	
GC-3707	Bomyl		Hercules 14503	Dialifor	2035
Genitol	Genite		Herkol	Dichlorvos	2320
Genitox	DDT	1880	Heteroauxin	3-Indoleacetic acid	
Gesabal	Ipazin		HETP	TEPP	6540
Gesadural	Simetone		Hexachlor	BHC	0600
Gesafloc	Trietazine		Hexachloran	BHC	0600
Gesafroam	Prometon	5760	Hexadrin	Endrin	3260
Gesagard	Prometryn	5780	Hexafor	BHC	0600
Gesamil	Propazine	5800	Hexanema	Dichlofenthion	2220
Gesapax	Ametryn	0120	Hexasul	Sulfur	
Gesapon	DDT	1880	Hexathane	Zineb	7120
Gesaprim	Atrazine	0420	Hexathir	Thiram	6680
Gesapun	Simazine	6100	Hexavin	Carbaryl	1060
Gesaran	Metoproptryn		Hexazir	Ziram	7100
Gesarex	DDT	1880	Hexyclan	BHC	0600
Gesarol	DDT	1880	HHDN	Aldrin	0080
Gesatamin	Atraton	0320	Hinosan	Edifenphos	
Gesatop	Simazine	6160	Hoe 2671	Endosulfan	3180
Gibberellic acid	Gibberellic acid	3790	Hoe 2747	Monolinuron	4751
Gibre	Gibberellic acid	3790	Hoe 2784	Binapacryl	
Gib-Tabs	Gibberellic acid	3790	Hoe 2810	Linuron	4240
Gib-Sol	Gibberellic acid	3790	Hoe 2873	Pyrazophos	
GIX	DFDT		Hoe 2904	Dinoseb	2760
Glyphosate	Glyphosate	3801	Hoe 2960	Triazophos	6777
Glytac	Glytac	3804	Hoe 2989, 6052, 6053, 13764	Pyracarbolid	5905
Golden Decoy	Dichlorvos & Ronnel	2320, 5980	Homa	Thiram & thiophanate methyl	6680, 6671
Gralit 85	Chloral chloroamide		Hong Niem	PMA	5680
Gramevin	Dalapon-Na	1660	Hopcide	CMPC	
Gramonol	Paraquat & Monolinuron	5240, 4751	Hormotuho	MCPA	4340
Gramoxone	Paraquat dichloride	5240	Hormotuho Special	MCPA & Dicamba	4340, 2140
Granol NM	Maneb & Lindane	4300, 0680	Hostathion	Triazophos	6777
Granosan	Ethylmercury chloride	3400	Hydout	Endothall	3240
Granox NM	Maneb & HCB	4300, 3920	Hydram	Molinate	4740
Granox PFM	Maneb & Captan	4300, 1020	Hydrogen phosphide	Phostoxin	
Grocel	Gibberellic acid	3790	Hydro	Allylcarb	
GS-13005	Methodathion	6340	Hydrothol	Endothall	3240
GS-13529	Terbuthylazine		1-Hydroxychloridene	1-Hydroxychloridene	3960
GS-14254	sec-Bumeton		2-Hydroxydiphenyl	Phenylpheno	5490
GS-14259	Terbumeton		Hyvar	Bromacil	0800
GS-14260	Terbutryn	3980	Hyvar X	Terbacil	6560
GS-16068	Dipropetryn		IAA	3-Indoleacetic acid	
GS-19851	Bromopropylate		IBA	Hormodin	
Guazatine	Guazatine		IBP	IBP	4011
Gusathion M	Azinphos methyl	3820	IFC	Propham	5860
Gusathion A	Azinphos ethyl	3840			
Guthion	Azinphos methyl	3820			
Gypsine	Lead arsenate	4180			
Gyron	DDT	1880			
H-321	Methiocarb	4500			
H-1313	Dichlobenil	2200			

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Igran	Terbutryn	3980	Kypfos	Malathion	4260
Imidan	Phosmet	4000	Kypman 80	Maneb	4000
Imugan	Chloranifor methane		Kypzine	Zineb	7120
Insectophene	Endosulfan	3180			
Inverton 245	2,4,5-T	6840			
Iodofenphos	Iodofenphos		Lambast	MPMT	
Ioxynil	Ioxynil	4040	Lambrol	Fluomethyl	
IPC	Propham	5860	Lamprecide	Lamprecide	4166
Iscothane	Dinocap	2560	Lanex	Fluometuron	3620
Isobac 20	Isobac 20		Lannate	Methomyl	4520
Isobenzan	Telodrin		Lanoc CN	Eulan	
Isocarb	Isocarb		Lanslide	Lenacil & Linuron	4185, 4240
Iso-Cornox	MCP	4400	Lanstan	Chloronitropropane	
Isopestox	Mipafox		Larvacide	Chloropicrin	
Isoprocil	Isocil		Larvatrol	Bacillus Thuringiensis	
Isopropalin	Isopropalin	4070	Lasso	Alachlor	4160
Isotox	BHC	0600	Lazo	Alachlor	4160
IT-3233	Flurecol-n-butylester	3630	Lead Arsenate	Lead arsenate	4180
IT-3456	Chlorflurecol-methyl ester		Lebaycid	Fenthion	3520
Ivoset	Dinoseb acetate	2566	Legumez Extra	Benazolin	
			Lenacil	Lenacil	4185
Japidemic	Milky disease spores		Lepton	Leptophos	4190
Jodfenphos	Iodofenphos		Leptophos	Leptophos	4190
Jolt	Ethoprop	5880	Lethane 384	Lethane 384	4220
			LeyCornox	Benazolin	
Karathane	Dinocap	2560	Leytosan	Phenylmercury urea	
Karbaspray	Carbaryl	1060	LH 3012	Propineb	
Karbation	Metham	6220	Lignasan	Ethylmercury phosphate	
Karbofos	Malathion	4260	Limit	CDA & 2,4-D	1140, 2940
Karbutilate	Karbutilate	6420	Lindafor	Lindane	0680
Karmex	Diuron	2740	Lindagram	Lindane	0680
Karphos	Isoxathion		Lindane	Lindane or gamma BHC	0680
Kartril T	Diuron, aminotriazole & sodium thiocyanate		Line Rider	2,4,5-T	6840
Kauritil	Copper oxychloride		Lintox	Lindane	0680
Kazoe	Azide	5728 or 6172	Linurex	Linuron	4240
Kelthane	Dicofol	2340	Linuron	Linuron	4240
Kemate	Anilazine	2920	Liphadione	Chlorophacinone	1425
Kepone	Chlordecone	1280	Liquiphene	PMA	5680
Kerb	Pronomide	4090	Lironion	Difenoxuron	
Kildip	Dichlorprop	2309	LM-91	Chlorophacinone	1425
Kill-All	Sodium arsenite		Lonacal	Zineb	7120
Killax	Trimec		Londax	Linuron & Propachlor	4240, 5820
Kilmite 40	TEPP	6540	Lorox	Linuron	4240
Kiloseb	Dinoseb	2760	Lousewort	Stavesacre	
Kiloprop	MCP	4400	Lovoal	Fenozaflor	
Kilsem	MCPA	4340	Lumeton	Metoprotryn	
Kilval	Vamidithion		Luprisol	Propionic acid	
Kitazin	IBP	4011			
Kleer-Lot	Amitrole & Linuron	0200, 4240	M-74	Disulfoton	2720
Kloben	Neburon	4940	M-81	Thiometon	6665
Klorex	Sodium chlorate		MAA	Methanearsonic acid	4490
KMH	MH	2280	Machete	Butachlor	0922
Knoxweed	EPTC & 2,4-D, isooctyl ester	3300, 3020	Mad	MSMA & 2,4-D	4820, 2940
Kobutol	PCNB	5280	Mafu	Dichlorvos	2320
Kocide	Copper hydroxide		Magnetic 70	Sulfur	
Kop-Fume	Ethylene dibromide		Magron	Magnesium chlorate	
Kop-Mite	Chlorobenzilate	1360	Maintain	Bromacil	0800
Kopsol	DDT	1880	Maintain 3	MH	2280
Kop-Thiodan	Endosulfan	3180	Maintain CF 125	Chlorflurecol-methyl ester	
Kop-Thion	Malathion	4260			
Korax	Chloronitropropane		Malamar	Malathion	4260
Korlan	Ronnel	5980	Malaspray	Malathion	4260
Kroma-Chlor	Cadmium succinate & potassium chromate		Malathion	Malathion	4260
Krovar	Diuron & Bromacil	2740, 0800	Maleic hydrazide	MH	2280
Krysid	ANTU	0260	Malix	Endosulfan	3180
KUE 13032c	Dichlofluanid		Maloran	Chlorbromuron	
KUE 13183b	Tolyfluanid		Maneb	Maneb	4300
Kuron	Silvex, PGBE esters	6140	Maneba	Maneb	4300
Kurosai	Silvex	6120	Manebgan	Maneb	4300
Kwit	Ethion	3340	Manesan	Maneb	4300
Kylar	Daminozide		Manzate	Maneb	4300
Kypchlor	Chlordane	1200	MAPO	Metepa	
Kypfarin	Warfarin	7060	Maposol	Metham	6620
			MAPS	Methiotepa	
			Maretin	Naphthalaphos	
			Marlate	Methoxychlor	4540
			Marmer	Diuron	2740

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Marpelon	Lenacil & Benzthiazuron		Metham	Metham	6220
Marvex	Dichlorvos	2320	Methamidophos	Methamidophos	4750
MAS	Rhizoctol		Methanearsonic acid	Methanearsonic acid	4490
Matacil	Aminocarb	0180	Methaphoxide	Metepa	
Mataven	Difenzoquat	2395	Methar	DSMA	2860
MB 9057	Asulam	0310	Methazole	Methazole	4496
MB 10064	Bromoxynil	0820	Methidathion	Methidathion	6340
MBC	Sodium chlorate		Methiocarb	Methiocarb	4500
MC 25	Guazatine		Meth-O-Gas	Methyl bromide	
MC 474	Mecarbam	4441	Methomyl	Methomyl	4520
MC 1053	Dinobuton		Methoprene	Methoprene	4531
MC 1108	Dinoterb acetate		Methoxone	MCPP	4400
MC 1488	Medinoterb acetate		Methoxychlor	Methoxychlor	4540
MC 1947	Dinocton-4		Methoxy propazine	Prometon	5760
MC 2188	Chlormephos	1316	Methyl aphoxide	Metepa	
MC 2420	Mecarphon		Methyl Guthion	Azinphos Methyl	3820
MCA 600	Mobam		Methyl isothiocyanate	Metham	6620
MC Defoliant	Magnesium chlorate		Methylmercury	Methylmercury	
MCP	MCPA	4340	chloride	chloride	4560
MCPA	MCPA	4340	Methylmercury	Cyano (methylmercuri)	
MCPB	MCPB	4380	Dicyanodiamide	guanidine	
MCPES	Methin		Methylmercury iodide	Methylmercury iodide	4572
MCPP	MCPP	4400	Methyl Trithion	Methyl carbophenothion	
MEA	Methoxyethylmercury acetate		Methylthiotriazine	Desmetryn	
MeBr	Methyl bromide		Meticide	Parathion-methyl	4580
Mecarbam	Mecarbam	4441	Metilmerkaptio-fasocsid	Oxydemeton-methyl	5220
Mecopar	The diethanolamine salts of MCPP & 2,4-D		Metmercapturon	Methiocarb	4500
Mecopex	MCPP (K salt)		Metoprotryn	Metoprotryn	
Mecoprop	MCPP	4400	Metoxuron	Metoxuron	4631
Mediben	Dicamba	2140	Metriben	Tricamba	
Medinoterb acetate	Medinoterb acetate		Metron	Parathion-methyl	4580
Meldane	Coumaphos	1540	Mevinphos	Mevinphos	4640
Melprex	Dodine	2780	Mexacarbate	Mexacarbate	7080
MEMA	Methoxyethylmercury acetate		Mezene	Ziram	7100
Menazon	Menazon	4453	MF-344	Koban	
Mendrin	Endrin	3260	MGK Dog & Cat Repellant	Methyl nonyl ketone	
Menite	Mevinphos	4640	MGK R 326	MGK R 326	
Meobal	Meobal	4460	MH	MH	2280
MEP	Fenitrothion	3480	MH-30	MH	2280
Mephanac	MCPA	4340	MH 090	Methiuron	
Mephosfolan	Mephosfolan	1630	Micofume	Dazomet	
Mepro	MCPP	4400	Microzul	Chlorophacinone	1425
Mercaptodimethur	Methiocarb	4500	Midox	Chlorbenside	1340
Mercaptofos	Demeton-o	1981	Milbam	Ziram	7100
Mercaptophos	Demeton	1982	Mil-Col	Drazoxolon	2792
Mercaptothion	Malathion	4260	Milcurb	Dimethirimol	2416
Merculine	Phenylmercury salicylate		Millex	Dinocap	2560
Mercuram	Thiram	6680	Milfaron	Chloraniformethane	
Mercusol	Phenylmercury salicylate		Milgo	Ethirimol	3359
Mergamma	BHC & organo Hg compound		Miller 531	Cd-Ca zinc chromate complex	
Merpan	Captan	1020	Miller 658	Copper zinc chromate	
Merphos	Folex	3640	Milogard	Propazine	5800
Mersolite	PMA	5680	Milstem	Ethirimol	3359
Mertect	Thiabendazole	6660	Mintacol	Paraaxon	
Merthon	Polyethylmercury phosphate		Mirex	Mirex	4720
Mesoranil	Aziprotryn		Mitigan	Dicofol	2340
Mesuroil	Methiocarb	4500	Mitox	Chlorbenside	1340
Metacide	Methyl parathion	4580	2M-4Kh-M	MCPB	4380
Metadelphene	Deet		MLT	Malathion	4260
Metaldehyde	Metaldehyde		Mobilawn	Dichlofenthion	2220
Metalkamate	Metalkamate	0960	Mocap	Ethoprop	5880
Metam-sodium	Metham	6620	Modown	Bifenox	0733
Metaphos	Methyl parathion	4580	Molinate	Molinate	4740
Metaphoxide	Metepa		Monalide	Monalide	4747
Metapside	Methiotepa		Monex 3	Diuron & MSMA	2740, 4820
Metasystemox	Oxydemeton methyl	5220	Monitor	Methamidophos	4750
Metasystox	Demeton methyl		Monoammonium methanearsonate	MAMA	
Metasystox I	Demeton-o-methyl		Monocalcium methanearsonate	Calcium arsenite	
Metasystox II	Demeton-s-methyl		Monocron	Monocrotophos	0360
Metasystox R	Oxydemeton methyl	5220	Monocrotophos	Monocrotophos	0360
Metaxon	MCPA	4340	Monolinuron	Monolinuron	4751
			Monosodium methanearsonate	MSMA	4820

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Monoxone	SMA		Niacides	Mercaptobenzothiazole	
Monurex	Monuron	4760	Niagamite	Aramite	
Monuron	Monuron	4760	Niagaratran	Ovex	
Monuron-TCA	Monuron-TCA	4780	Niagarathol	Endothall	3240
Morcam	Naptalam	4920	Nialate	Ethion	3340
Morestan	Oxythioquinox	4800	Niclofen	Nitrofen	5040
Morfoxon	Morfamquat		Nicouline	Rotenone	6000
Morkit	Anthraquinone	0250	Niklor	Chloropicrin	
Morocide	Binapacryl		Nimitox	Temephos	0020
Morphothion	Morphothion	4803	NIP	Nitrofen	5040
Morphotox	Morphothion	4803	Nipa-Thin	Naptalam	4920
Morsodren	Cyano (methylmercuri) guanidine		Niran	Parathion	5245
Motox 6-3 Cotton Spray	Toxaphene & Parathion, methyl	6740, 4580	Niran	Chlordane	1200
Moxie	Methoxychlor	4540	Nitrador	DNOC	
MSMA	MSMA --	4820	Nitralin	Nitralin	5020
MTMC	Tsumacide		Nitrapyrin	Nitrapyrin	5031
Murbetex	Medinoterb acetate		Nitrofen	Nitrofen	5040
Murfotox	Mecarbam	4441	4-Nitrophenol	4-Nitrophenol	5060
Murvesoo	Fenson		Nitropone C	Dinoseb	2760
Muscatox	Coumaphos	1540	Nitrox 80	Parathion methyl	4580
Myllone	Dazomet		Nix-Scald	Ethoxyquin	
Myprozine	Pimaricin		No Bunt	Hexachlorobenzene	3920
			No-Crab	Calcium propanearsonate	
			Nogos	Dichlorvos	2320
			Noita-Koisumu	DDT & Lindane	1880, 0680
			Nomersan	Thiram	6680
			Nonachlor	Nonachlor	5080
			No-Pest	Dichlorvos	2320
			Norax	Chloroxuron	
			Norea	Norea	
			Norflurazon	Norflurazon	5136
			Nortron	Fluoromidine	
			Noruron	Norea	
			Novathion	Fenitrothion	3480
			Novigam	Lindane	0680
			Novigam Super	Pyrethrins & Pip. Butoxide	5940, 5620
			NPA	Naptalam	4920
			NPB	Aspon	0300
			NRDC-104	Resmethrin	6055
			NTM	Dimethyl phthalate	2460
			Nucidol	Diazinon	2080
			Nudrin	Methomyl	4520
			Nu-Film	Pinolene	
			Nuodex 84	Mercaptobenzothiazole	
			Nivacron	Monocrotophos	0360
			Nuvan	Dichlorvos	2320
			Nuvanol	Fenitrothion	3480
			Nuvanol N	Iodofenphos	
			Nu-Z	Zinc sulfate (basic)	
			Oatax	Barban	0400
			Octacide	MGK 264	
			Octachlor	Chlordane	1200
			Octachlor epoxide	Oxychlordane	5200
			Octalene	Aldrin	0080
			Octalox	Dieldrin	2380
			Off	Deet	
			Ohric	Dimethachlon	
			Oko	Dichlorvos	2320
			Oleocuvire	Copper oxides	
			Oleoparaphene	Parathion	5245
			Ordram	Molinate	4740
			Orthene	Acephate	0025
			Ortho 5353	Metalkamate	0960
			Ortho 9006	Methamidophos	4750
			Ortho 12420	Acephate	0025
			Orthocide 406	Captan	1020
			Ortho-Klor	Chlordane	1200
			Ortho LM	Methylmercury	
			preparations	quinolinolate	
			Ortho MC	Magnesium chlorate	
			Orthophos	Parathion	5245
			Ortho Phosphate		
			Defoliant	DEF	1940
			Orthoxenol	Phenylphenol	5490
			Oryzalin	Oryzalin	5148
N-2790	Fonofos	2910			
NAA	Naphthaleneacetic acid	4900			
Nabac	Hexachlorophene	3940			
Nabam	Nabam	4840			
NAD	Naphthalene acetamide	4880			
Naftil	Carbaryl & Ovex	1060, --			
Naled	Naled	4860			
Namilan	Chlordane & Lindane	1200, 0680			
Nankor	Ronnel	5980			
Na NPA	Naptalam	4920			
1-Naphthol	1-Naphthol	4925			
Naphthyl phthalamic acid	Naptalam,	4920			
Naphthyl thiourea	ANTU	0260			
Napromide	Napromide	2010			
Naptalam	Naptalam	4920			
Na TA	TCA				
Natal	TCA				
Navadel	Dioxathion	2580			
NC-4780	Fluoromidine				
NC-5016	Fenozaflo				
NC-6897	Ficam W				
Neburea	Neburon	4940			
Neburex	Neburon	4940			
Neburon	Neburon	4940			
Neguvon	Trichlorfon	6780			
Nemacide	Dichlofenthion	2220			
Nemafos	Zinophos				
Nemafume	Dibromochloropropane	2090			
Nemagon	Dibromochloropropane	2090			
Nendrin	Endrin	3260			
Neocid	DDT	1880			
Neocidol	Diazinon	2080			
Neo-Pynamin	Tetramethrin				
Neoron	Bromopropylate				
Nephis	Ethylene dibromide				
New Mel	Ethylmercury sulfate				
Nexagan	Bromophos ethyl	0860			
Nexion	Bromophos	0840			
NF 48	Thiophanates	6670, 6671			
NIA 1240	Ethion	3340			
NIA 2995	SWEP				
NIA 4512	Solan				
NIA 4556	Dicryl				
NIA 5488	Tetradifon	6600			
NIA 5767	Endothion				
NIA 5961	Chloronitropropane				
NIA 5996	Dichlobenil	2200			
NIA 9044	Binapacryl				
NIA 10242	Carbofuran	1040			
NIA 11092	Karbutilate	6420			
NIA 17370	Resmethrin	6055			

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
OS-2046	Mevinphos	4640	Perenox	Copper oxides	
Osmosalts	Fluor Chrom Arsenate		Perfekthion	Dimethoate	2420
	Phenols		Perfluidone	Perfluidone	5366
Osmosar			Perthane	Perthane	5380
Outfox	Cyprazine	1615	Pescombi	Mecarbam	4441
Ovochlor	Chlorfenson or Ovex		Pestan	Mecarbam	4441
Ovotron	Chlorfenson or Ovex		Pestmaster EDB 85	Ethyl dibromide	
Oxadiazon	Oxadiazon	5176	Pestox III	Schradan	
Oxamyl	Oxamyl	5186	Pestox XIV	Dimefox	
Oxamyl oxime	Oxamyl oxime	5187	Pestox XV	Mipafox	
Oxine	8-Quinolinal sulfate		Pest Strip	Dichlorvos	2320
Oxine-copper	Copper 8-Quinolinate		PETD	Metiram	
Oxirane	Ethylene oxide		PH 6040	Diiflubenzuron	2406
Oxycarboxin	Oxycarboxin		Phaltan	Folpet	3660
Oxychlorane	Oxychlorane	5200	Phenacide	Toxaphene	6740
Oxycil	Sodium chlorate		Phenatox	Toxaphene	6740
Oxydemeton methyl	Oxydemeton methyl	5220	Phencapton	Phencapton	5400
Oxyquinoline	8-Quinolinal		Phenmad	PMA	5680
Oxythioquinox	Oxythioquinox	4800	Phenmedipham	Phenmedipham	5410
			Phenotan	Dinoseb-acetate	2566
P-1504	Phosmet	4000	Phenothiazine	Phenothiazine	5420
Paarlan	Isopropalin	4070	Phenpiazine	Quinoxaline	
Padan	Cartap hydrochloride		Phenthazine	Phenothiazine	5420
Pallethrin	Allethrin	0100	Phentin acetate	Fentin acetate	3527
Pamosol 2 Forte	Zineb	7120	Phenylbenzene	Biphenyl	0740
Panocrine	Guazatine		Phenylmercury	Phenylmercury	
Panodrin A-13	Cyano (methylmercuri) guanidine		acetate	acetate	5680
Panogen	MEMA		Phenylmercury	ammonium acetate	
Panoram D-31	Dieldrin	2380	Phenylmercury	borate	5460
Panthion	Parathion	5245	Phenylmercury	chloride	5480
Papthion	Phenthoate		Phenylmercury	hydroxide	5485
Paracide	p-Dichlorobenzene	2300	Phenylmercury	iodide	5487
Paradow	p-Dichlorobenzene	2300	Phenylmercury-8-oxyquinolate	Quinex	
Paramar	Parathion	5245	Phenylphenol	Phenylphenol	5490
Para-Nitrophenol	4-Nitrophenol	5060	Pherocon GM	Disparlure	
Paraphos	Parathion	5245	Phix	PMA	5680
Paraquat dichloride	Paraquat dichloride	5240	Phorate	Phorate	5500
Parathene	Parathion	5245	Phosalone	Phosalone	5520
Parathion ethyl	Parathion	5245	Phosdrin	Mevinphos	4640
Parathion methyl	Parathion methyl	4580	Phosfene	Mevinphos	4640
Parawet	Parathion	5245	Phosfolan	Phosfolan	1610
Parinol	Parinol	5251	Phosfon	Chlorphonium	
Parnon	Parinol	5251	Phoskil	Parathion	5245
Parfox	Chlorophacinone	1425	Phosmet	Phosmet	4000
Partron M	Parathion methyl	4580	Phosphamidon	Phosphamidon	5580
Parzate	Nabam & Zineb	4840, 7120	Phosphine	Aluminum phosphide	
Parzate C	Zineb	7120	Phosphopyron	Endothion	
Patoran	Metabromuron		Phostoxin	Phostoxin	
PCA	Pyrazon	5925	Phosvel	Leptophos	4190
PCNB	PCNB	5280	Phosvit	Dichlorvos	2320
PCP	PCP	5260	Phthalophos	Phosmet	4000
PCPBS	Fenson		Phthalthrin	Tetramethrin	
PDB	Dichlorobenzene-p	2300	Phyban H.C.	MSMA	4820
PDQ	MCPB	4380	Phygon	Dichlone	2180
PDU	Fenuron		Phymone	oc-Naphthylacetic acid	
PEBC	Pebulate	5300	Phystasol	Trichloronate	
Pebulate	Pebulate	5300	Phytar 550	Cacodylic acid	0961
Pedinex	Dinex		Phytomycin	Streptomycin nitrate	
Pencal	Calcium arsenate	0980	Phytosol	Trichloronate	
Penchlorol	PCP	5260	Picfume	Chloropicrin	
Penite	Sodium arsenite		Pindone	Pindone	
Pennamine D	2,4-D	2940	Pinoran	Difenoxuron	
Penta	PCP	5260	Piperalin	Piperalin	5640
Pentachlorin	DDT	1880	Piperonyl Butoxide	Piperonyl Butoxide	5620
Pentachloronitro-benzene	PCNB	5280	Pipron	Piperalin	5640
Pentachlorophenol	PCP	5260	Pirimicarb	Pirimicarb	5632
Pentachlorophenol, Na salt	Sodium pentachlorophenate	2820	Pirimiphos ethyl	Pirimiphos ethyl	5642
Pentaccon	PCP	5260	Pirimiphos methyl	Pirimiphos methyl	5643
Pentanochlor	Solan		Pirimor	Pirimicarb	5632
Penwar	PCP	5260	Pivacin	Pindone	
Peprthion	DDT, Endosulfan & Parathion methyl	1880, 4580	Pival	Pindone	
Perchlorobenzene	Hexachlorobenzene	3180, 3920	Pivaldione	Pindone	
Perecot	Copper oxides				

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Pivalyn	Pindone		Propi-Rhap	Dichlorprop	2309
P Kh NB	PCNB	5280	Prop-Job	Propanil	5840
Planavin	Nitralin	5020	Proponex D	Amines of CMPP & 2,4-D	
Plantvax	Oxycarboxin		Propoxur	Propoxur	0440
Plus de Ritz	Propanil	5840	Protect	Protect	5882
PMAS	PMA	5680	Protex	Rotenone	6000
PNP	4-Nitrophenol	5060	Proxal	Trichlorfon	6780
Polaris	Glyphosine		Prussic acid	Hydrocyanic acid	
Polychlorinated biphenyls	Polychlorinated biphenyls	5700-5707	PTF	Polyram	
Polychlorinated naphthalenes	Polychlorinated naphthalenes	5720-5725	PTMB	Danifos	
Polychlorocamphene	Toxaphene	6740	Puratized B-2	Mercuric lactate	
Polymone 60	MCP & 2,4-D	4400, 2940	Pynamin	Allethrin	0100
Polyram-Combi	Metiram		Pyracarbolid	Pyracarbolid	5905
Polyram-Ultra	Thiram	6680	Pyrazon	Pyrazon	5925
Polyram Z	Zineb	7120	Pyrazon Plus	Pyrazon & Dalapon	5925, 1660
Polysol Forte	Thiram	6680	Pyrazon	Pyrazon	5925
Pomasol Z Forte	Ziram	7100	Pyrethrins	Pyrethrins	5940
Potablan	Monalide	4747			
Potassium azide	Potassium azide	5728	Quel	Ancymidol	0230
Potassium diethyl dithiophosphate	Potassium diethyl dithiophosphate	5731	Queletox	Fenthion	3520
Potassium diethyl thiophosphate	Potassium diethyl thiophosphate	5732	Quilan	Benefin	0480
Potassium dimethyl dithiophosphate	Potassium dimethyl dithiophosphate	5733	Quinalphos	Quinalphos	5966
Potassium dimethyl thiophosphate	Potassium dimethyl thiophosphate	5734	Quinex	Phenylmercuric oxyquinolate	
PP-062	Pirimicarb	5632	Quinomethionate	Oxythioquinox	4800
PP-148	Paraquat	5240	Quinophenol	8-Quinolol	
PP-149	Ethirimol	3359	Quintozene	PCNB	5280
PP-211	Pirimiphos ethyl	5642			
PP-511	Pirimiphos methyl	5643	88 R	Aramite	
PP-675	Dimethirimol	2416	R-242	Sulphenone	
PP-745	Morfamquat		R-1303	Carbophenothion	1080
PP-781	Drazoxolon	2792	R-1504	Phosmet	4000
Pramitol	Prometon	5760	R-1513	Azinphos ethyl	3840
Prebane	Terbutryn	3980	R-1582	Azinphos methyl	3820
Pre-Beta 1	Pebulate & Diallylate	5300, 2040	R-1607	Vernolate	7020
Pre-Beta 2	Cycloate & Diallylate	1591, 2040	R-2061	Pebulate	5300
Prefar	Bensulide	0520	R-2063	Cycloate	1591
Prefix	Chlorthiamid		R-2170	Oxydemeton methyl	5220
Preforan	Fluorodifen		R-4461	Bensulide	0520
Prefox	Cyprazine & Ethiolate	1615, 3335	R-4572	Molinate	4740
Premerge	Dinoseb	2760	R-4574	Byram	
Pre-San	Bensulide	0520	R-7465	Napropamide	2010
Preventol	Dichlorophen		Rabon	Stirofos	3740
Preservit	Dazomet		Rock Granular	Fenac & Atrazine	3460, 0420
Primatol	Atraton	0320	Racumin	Coumatetralyl	
Primatol 025	Prometon	5760	Radapon	Dalapon Na	1660
Primatol A	Atrazine	0420	Rad-E-Cate 25	Sodium Cacodylate	
Primatol P	Propazine	5800	Rad-E-Cate 35	Sodium Cacodylate & cacodylic acid	
Primatol Q	Prometryn	5780	Radoxone TL	Ammonium thiocyanate	
Primatol S	Simazine	6660	Rametol	Naphthalaphos	
Primaze	Atrazine & Prometryn	0420, 5780	Ramik	Diphacinone	2600
Primin	Isolan		Rampart	Phorate	5500
Princep	Simazine	6160	Ramrod	Propachlor	5820
Proban	Cythioate	1621	Ramucide	Chlorophacinone	1425
Probe	Methazole	4496	Randox	CDAA	1140
Prodan	Sodium fluorosilicate		Rasikal	Sodium chlorate	
Profluralin	Profluralin		Raticate	Norbormide	
Profume	Methyl bromide		Ratilan	Coumachlor	
Prolan	Dilan component		Ratomet	Chlorophacinone	1425
Prolate	Phosmet	4000	Ravap	Dichlorvos & Stirofos	2320, 3740
Prolin	Warfarin	7060	Raviac	Chlorophacinone	1425
Promecarb	Promecarb	5752	Ravyon	Carbaryl	1060
Prometon	Prometon	5760	Rawetin	Naphthalaphos	
Prometryn	Prometryn	5780	Rax Water Soluble	Warfarin	7060
Prometrex	Prometryn	5780	RE 4355	Naled	4860
Pronamide	Pronamide	4090	Readex	Thioquinox	
Propachlor	Propachlor	5820	Rebelate	Dimethoate	2420
Propanil	Propanil	5840	Reddon	2,4,5-T	6840
Propargite	Propargite	5160	Reducymol	Ancymidol	0230
Propazine	Propazine	5800	Regim 8	TIBA	
Propenal	Acrolein	0027	Reglone	Diquat dibromide	2660
Propham	Propham	5860	Regulox	MH	2280
Prophos	Ethoprop	5880	Resistox	Coumaphos	1540
			Resmethrin	Resmethrin	6055

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
Res-Q	Maneb, HCB & Captan	4300, 3920, 1020	SD 3562	Dicrotophos	0700
Retard	MH	2280	SD 4294	Crotoxyphos	1500
RH-315	Pronamide	4090	SD 7859	Chlorfenvinphos	1300
Rhodiatox	Parathion	5245	SD 8447	Stirofos	3740
Rhomene	MCPA	4340	SD 8530	Landrin-3,4,5 Isomer	
Rhonox	MCPA	4340	SD 8786	Landrin-2,3,5 Isomer	
Rhothane	DDD	1750	SD 9098	Akton	
Ricetrine	Copper triethanol-amine complex		SD 9129	Monocrotophos	0360
Roccal	Benzalkonium chloride		SD 11831	Nitralin	5020
Rodine	Red Squill		SD 14114	Vendex	7013
Rogor	Dimethoate	2420	SD 15418	Cyanazine	1552
Rogue	Propanil	5840	SD 30053	Benzoylprop ethyl	0578
Ro-Neet	Cycloate	1591	Secbumeton	Secbumeton	
Ronstar	Oxadiazon	5176	Seedrin	Aldrin	0080
Rootone	Naphthalene acetamide	4880	Select	Naptalam	4920
Rospin	Chloropropylate		Selinon	DNOC	2770
Rotenone	Rotenone	6000	Semeron 25	Desmetryn	
Rotox	Methyl bromide		Sencor	Metribuzin	
Roundup	Glyphosate	3801	Sencoral	Metribuzin	
Roxion	Dimethoate	2420	Sencorex	Metribuzin	
Royal MH-30	MH	2280	Sendran	Propoxur	0440
Rozol	Chlorophacinone	1425	Septene	Carbaryl	1060
R.P. 11974	Phosalone	5520	SES	Sesone	
R.P. 17623	Oxadiazon	5176	Sesoxane	Sesamex	
Ruelene	Cruformate	6020	Sevin	Carbaryl	1060
Rukseam	DDT	1880	Sevithion	Carbaryl & Parathion methyl	1060, 4580
Ruphos	Dioxathion	2580	Shed-A-Leaf	Sodium chlorate	
Rutgers 612	Ethyl hexanedioi	3380	Shimmerex	Phenylmercuric acetate	5680
Ryelan	Oryzalin	5148	Short-stop E	Terbutryn	3980
			Shoxin	Norbormide	
			SI-6505	Hydroxyisoxazole	
			Sicarol	Pyracarbolid	5905
			Siduron	Siduron	6100
S-276	Disulfoton	2720	Silvanol	Lindane	0680
S-410	Metasystox S		Silvex	Silvex	6120
S-767	Fensulfothion	3500	Silvi-Rhap	Silvex	6120
S-1752	Fenthion	3520	Silvisar 510	Cacodylic acid	0961
S-2940	Phenthoate		Silvisar 550	MSMA	4820
S-4084	Cyanox		Simanex	Simazine	6160
S-4087	Surecide	6360	Simazine	Simazine	6160
S-4400	Trichloronate		Simbar	Terbacil	6560
S-6000	Cypromid		Sinituho	PCP	5260
S-9115	Cyprazine	1615	Sinox	DNOC	2770
S-10165	Propanil	5840	Sinox General	Dinoseb	2760
S-15076	Ethiolate	3335	Sistan	Metham	6620
S-22012	Benzthiazuron		Slam	Azothoate	
SADH	Daminozide		SlO-Gro	MH	2280
Salithion	Salithion	6050	SMDC	Metham	6620
Salvo	2,4-D	2940	Smite 8G	Azide	5728 or 6172
SAN 9789	Norflurazon	5136	Snip Fly Bands	Dimetilan	
Sancap	Dipropetryn		Sodium Azide	Sodium Azide	6172
Santar	Mercuric oxide		Sofril	Sulfur	
Santobrite	Sodium pentachlorophenate	2820	Soilbrom 85 & 86	Ethylene dibromide	
Santochlor	Dichlorobenzene-p	2300	SOK	Carbanolate	
Santoquin	Ethoxyquin		Solabar	Barium polysulfide	
Sapecron	Chlorfenvinphos	1300	Solo	Naptalam	4920
Saphi-Col	Menazon	4453	Solvirex	Disulfoton	2720
Saphizon	Menazon	4453	SOPP	Sodium phenylphenate	2800
Saphos	Menazon	4453	Soprabel	Lead arsenate	4180
Sappiran	Ovex or Chlorfenson		Sopracol 781	Drazoxolon	2792
Saprol	Triforine	6822	Sopragam	Parathion & Lindane	5245, 0680
Sarclax	Linuron	4240	Sopranebe	Maneb	4300
Sarolex	Diazinon	2080	Soprathion	Parathion	5245
Saturn	Benthiocarb	0570	Soprocide	BHC	0600
Sayfor A	Menazon	4453	Soyex	Fluorodifen	
Sayfos	Menazon	4453	SP-1103	Tetramethrin	
SBP-1382	Resmethrin	6055	Spectracide	Diazinon	2080
Scaldip	Diphenylamine		Spargon	Chloranil	1180
Schering 4075	Phenmedipham	5410	Spotrete	Thiram	6680
Schering 34615	Promecarb	5752	Spra-Cal	Calcium arsenate	0980
Schering 35830	Monalide	4747	Spring-Bak	Nabam	4840
Schering 36056	Formetanate Hydrochloride	3680	Sprout Nip	Chlorpropham	1420
Schering 36268	Chlordimeform	1480	Sprout-Stop	MH	2280
Schering 38107	Desmedipham	2006	Spud-Nic	Chlorpropham	1420
Sclex	Dichlozoline		Squill	Red Squill	
Scogal	Cyanazine & MCPA	1552, 4340	SR 73	Clonitralid	
			SRA 5172	Methamidophos	4750

NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
SRA 7312	Quinalphos	5966	TBTO	Butinox	
Stam F-34	Propanil	5840	TBZ	Thiabendazole	6660
Stam M-4	Propanil	5840	TCB	Trichlorobenzene	
Stannoplus	Decafentin		TCMTB	TCMTB	
Stannoram	Decafentin		TCNB	Tecnazene	6435
Stay-Kleen	Cyanazine & Linuron	1522, 4240	TCTP	Penphene	
Stirofos	Stirofos	3740	TD-183	Penphene	
Stop Scald	Ethoxyquin		TDE	DDD	1750
Stopspot	Phenylmercury chloride	5480	Tecnazene	Tecnazene	6435
Streptomycin Sulfate	Streptomycin Sulfate	6222	Tecto	Thiabendazole	6660
Strobane	Terpene polychlorinates	6240	Tedion	Tetradifon	6600
Strobane T	Terpene polychlorinates (Toxaphene)	6740	Tekwaisa	Parathion methyl	4580
Stunt Man	MH	2280	Telodrin	Isobenzan	
Subitex	Dinoseb	2760	Telone	Dichloropropene	2306
Sucker Stuff	MH	6740	Telone C	Chloropicrin	
Suffix	Benzoylprop ethyl	0578	Telvar	Monuron	4760
Sulfallate	CDEC	1160	TEM	Tretamine	
Sulfasan	EXD	3420	Temephos	Temephos	0020
Sulfoxide	Sulfoxide	6300	Temik	Aldicarb	0060
Sulfoxyl	Sulfoxide	6300	Tendex	Propoxur	0440
Sulkol	Sulfur		Tenoran	Chloroxuron	
Sumithion	Fenitrothion	3480	TEPP	TEPP	6540
Sumitol	Secbumeton		Terbacil	Terbacil	6560
Suncide	Propoxur	0440	Terbutcarb	Terbutol	
Super Crab-E-Rad	Amine methanearsenates		Terbutylazine	Terbutylazine	
Super Crab-E-Rad A.M.A.	Ammonium methane-arsenates		Termil	Chlorothalomil	1640
Super Crab-E-Rad Calar	Calcium acid methanearsenates		Terraclor	PCNB	5280
Super Dal-E-Rad	Amine methanearsenates		Terraclor Super X	Terrazole	6590
Super Dal-E-Rad Calar	Calcium acid methanearsenates		Terra-Coat	Terrazole	6590
Super De-Sprout	MH	6740	Terracur	Thiadiazinthon	
Sup'R Flo	Maneb	4300	Terracur P	Fensulfothion	3500
Super Sucker Stuff	MH	6740	Terramitsin	Oxytetracycline	
Supona	Chlorfenvinphos	1300	Terramycin	Oxytetracycline	
Supracide	Methidathion	6340	Terra-Sytam	Dimefox	
Surcopur	Propanil	5840	Terrazole	Terrazole	6590
Surecide	Surecide	6360	Tersan	Thiram	6680
Surflan	Oryzalin	5148	Tersan 1991	Benomyl	0500
Su Seguro Carpador	Trifluralin	6800	Tersan SP	Chloroneb	1380
Sustar 2-S	Fluoridamid	3623	Tetrachlorophenol	Tetrachlorophenol	
Sutan	Butylate	0940	Tetrachloroquinone	Chloranil	1180
Swat	Bomyl		Tetrachlorothiophene	Penphene	
Syllit	Dodine	2780	Tetrachlorvinphos	Stirofos	3740
Synklor	Chlordane	1200	Tetradifon	Tetradifon	6600
Synthrin	Resmethrin	6055	Tetraethyl pyrophosphate	TEPP	6540
Systemox	Demeton	1981, 1982	Tetrasul	Tetrasul	6630
Systox	Demeton	1981, 1982	Tetron	TEPP	6540
Sytam	Schradan		TFN	Lamprecide	4166
Sytemp	Toxaphene, Parathion & Parathion methyl	6740, 5245, 4580	TH 6040	Diiflubenzuron	2406
2,4,5-T	2,4,5-T	6840	Thanite	Thanite	6640
2,4,5-T Butoxyethanol ether esters	2,4,5-T Butoxyethanol ether esters	6860	Thiabendazole	Thiabendazole	6660
2,4,5-T Butyl esters	2,4,5-T Butyl esters	6870	Thibenzole	Thiabendazole	6660
2,4,5-T Isooctyl esters	2,4,5-T Isooctyl esters	6880	Thifor	Endosulfan	3180
2,4,5-T Propylene glycol butyl ether esters	2,4,5-T Propylene glycol butyl ether esters	6885	Thimer	Thiram	6680
Tabatrex	Tabutrex		Thimet	Phorate	5500
Tachigaren	Hymexazol		Thimul	Endosulfan	3180
Tag HL 331	Phenylmercuric acetate	5680	Thiocron	Amidithion	
Talan	Dinobuton		Thiocron Extra	Amidithion & Fenitrothion	3480
Tamaron	Methamidophos	4750	Thiodan	Endosulfan	3180
Tandex	Karbutilate	6420	Thiodemeton	Disulfoton	2720
Tanone	Phenthoate		Thiodiphenylamine	Phenothiazine	5420
Tartan	Cyanthoate		Thiofanox	Thiofanox	6663
Tarzol	Fenozaflo		Thiometan	Metasystox S	
Task	Dichlorvos	2320	Thiometon	Thiometon	6665
Taterpex	Chlorpropham	1420	Thioneb	Metiram	
Tayssato	MEMC		Thionex	Endosulfan	3180
2,3,6-TBA	2,3,6-TBA	6920	Thiophal	Folpet	3660
TBCS-53	Copper sulfate, basic		Thiophanate	Thiophanate	6670
			Thiophanate methyl	Thiophanate methyl	6671
			Thiophos	Parathion	5245
			Thiotapp	Sulfotep	
			Thiotex	Thiram	6680
			Thiram	Thiram	6680
			Thiramad	Thiram	6680
			Thirasan	Thiram	6680
			Thistrol	MCPB	4380
			Thuricide	Bacillus Thuringiensis	

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NAME	COMMON NAME	CODE NUMBER	NAME	COMMON NAME	CODE NUMBER
VC-13 Nemacide	Dichlofenthion	2220	Ziride	Ziram	7100
VC 9-104	Ethoprop	5880	Zithiol	Malathion	4260
Vegadex	CDEC	1160	Zitox	Ziram	7100
Vegiben	Chloramben	0140	Zobar	PBA	
Velsicol 58-CS-11	Dicamba	2140	Zolone	Phosalone	5520
Velsicol 1068	Chlordane	1200	Zoocoumarin	Warfarin	7060
Vendex	Vendex	7013	Zorial	Norflurazon	5136
Venzar	Lenacil	4185	Zotox Crab Grass		
Veratridene	Sabadilla		Killer	Arsenic acid	
Veratrin	Sabadilla		ZR-512	Altozar	
Veratrum	Hellebore		ZR-515	Methoprene	4531
Vergemaster	2,4-D	2940	Zytox	Methyl bromide & ethylene dibromide	
Vernam	Vernolate	7020			
Vernolate	Vernolate	7020			
Vertron 2D	2,4-D	2940			
Vertron 2T	2,4,5-T	6840			
Vertron T	2,4,5-T	6840			
Vi-Cad	Cadmium chloride				
Viozene	Ronnel	5980			
ViPar	MCPP & 2,4-D	4400, 2940			
Vi-pex	MCPP (potassium salt)				
Viricuvire	Copper oxychloride				
Vitavax	Carboxin	1100			
Volaton	Phoxim				
Vondalhyde	MH	2280			
Vondcaptan	Captan	1020			
Vondodine	Dodine	2780			
Vondrax	MH	2280			
Vonduci	Diuron	2740			
Vonduron	Diuron	2740			
Voronit	Fuberidazole				
VPM	Metham	6620			
Vydate L oxamyl	Oxamyl	5186			
Wacher S 1410	Dimefox				
Wallop G	Propachlor & Parathion	5820, 5245			
Warbex	Famphur	3440			
Watathion	Surecide	6360			
Weed-Ag-Bar	2,4-D	2940			
Weedar	2,4-D & 2,4,5-T	2940, 6840			
Weedazol	Amitrole	0200			
Weedbeads	Sodium pentachloro-phenate	2820			
Weed-E-Rad	DSMA & MSMA	2860, 4820			
Weedez Wonder Bar	2,4-D	2940			
Weed-Hoe	DSMA & MSMA	2860, 4820			
Weedol	Paraquat dichloride	5240			
Weedone	PCP, 2,4-D & 2,4,5-T	5260, 2940, 6840			
Weedozol	Amitrole	0200			
Weed-Rhap	2,4-D	2940			
Wepsyn	Triamiphos				
WL 17,731	Benzoylprop ethyl	0578			
WL 19,805	Cyanazine	1552			
Wydac	Propanil & Carbaryl	5840, 1060			
Yomesan	Niclosamide				
Zassol	Sodium cyanate				
Z-C Spray	Ziram	7100			
Zebtox	Zineb	7120			
Zectran	Mexacarbate	7080			
Zelan	MCPA	4340			
Zelio	Thallium sulfate				
Zephiran	Benzalkonium chloride				
Zerdane	DDT	1880			
Zerlate	Ziram	7100			
Zidan	Zineb	7120			
Zinc Uversol	Zinc naphthenate				
Zineb	Zineb	7120			
Zinophos	Thionazin				
Zinosan	Zineb	7120			
Ziram	Ziram	7100			
Zirberk	Ziram	7100			

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16. ABSTRACT This manual lists several hundred compounds of analytical reference standards of insecticides, herbicides, algicides, nematocides, rodenticides and fungicides which are available, mostly in purified form, in subsamples of 100 milligrams to any bona fide pesticide laboratory in the world free of charge. Also included in the manual are miscellaneous data pertinent to pesticidal compounds such as precautionary notes in the handling and storage of highly toxic compounds, the preparation and storage of solutions of standards, residue methodology references, and an index of over 2,400 pesticide equivalent names.		
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