Biologische Bundesanstalt

für Land- und Forstwirtschaft

Merkblatt Nr. 20 | 4. Auflage | Januar 1981

Verzeichnis der Wirkstoffe in zugelassenen Pflanzenbehandlungsmitteln

von

W. Dobrat

Zu beziehen durch:

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Dieses Merkblatt enthält eine Zusammenstellung der Wirkstoffe der von der Biologischen Bundesanstalt zugelassenen Pflanzenbehandlungsmittel.

Das Verzeichnis ist alphabetisch nach der gebräuchlichsten Kurzbezeichnung geordnet. Diese Kurzbezeichnung stimmt in den meisten Fällen mit den von der International Organization for Standardization (ISO) empfohlenen oder vorgeschlagenen common names überein. In einigen Fällen wurden common names anderer Organisationen (British Standards Institution, Weed Science Society of America u. a.) oder Namen, die nicht frei verwendbar sind, zum Beispiel Zineb, aufgeführt. Für einige Verbindungen, zum Beispiel Cyanamid, sind die chemischen Bezeichnungen so kurz und verständlich, daß sie keinen common name benötigen. Die ISO-Bezeichnungen wurden bevorzugt verwendet, da in dieser Organisation Staaten aus allen Teilen der Welt zusammenarbeiten. Die common names der ISO stellen jedoch nur Empfehlungen dar und brauchen daher nicht unbedingt von allen Mitgliedstaaten angenommen worden zu sein.

In der Spalte 2 des Verzeichnisses sind die Schlüsselzahlen der Biologischen Bundesanstalt für die Wirkstoffe aufgeführt. Diese Zahlen wurden 1963 eingeführt, weil oft zu einer Zeit, da der common name einer Verbindung noch nicht endgültig festgelegt ist, in der Biologischen Bundesanstalt schon umfangreiche und vielfältige Arbeiten mit den entsprechenden Pflanzenbehandlungsmitteln durchgeführt und Unterlagen und Informationen aller Art registriert werden müssen. So werden in der Biologischen Bundesanstalt alle Unterlagen über die Toxikologie, das Rückstandsverhalten, die Rückstandsanalytik sowie die Analytik des Wirkstoffs in seinen Formulierungen unter dieser Nummer erfaßt, und auch die Literaturkartei wird nach diesem Zahlenschlüssel angelegt.

In der Spalte 3 sind die Schlüsselzahlen des „Collaborative International Pesticides Analytical Council" (CIPAC) angeführt. Diese weltweite Organisation für Pflanzenbehandlungsmittel-Analytik schloß sich seinerzeit leider nicht dem deutschen System an, sondern baute unter der Federführung Großbritanniens ein eigenes System neu auf. 1968 wurde dieser Schlüssel von der FAO (Food and Agriculture Organization) übernommen.

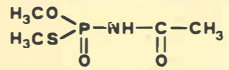
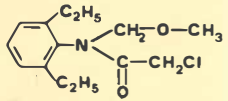
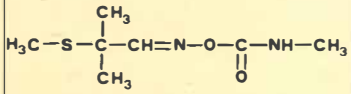
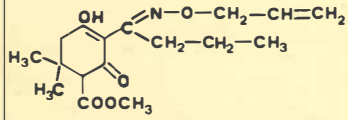
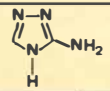
Die Schlüsselzahlen (der Biologischen Bundesanstalt – BBA – bzw. CIPAC) wurden in das Verzeichnis aufgenommen, weil man mit dem BBA-Schlüssel die Analysenmethode für die Rückstände eines Wirkstoffs unmittelbar aus der „Methodensammlung zur Rückstandsanalytik von Pflanzenschutzmitteln" der Deutschen Forschungsgemeinschaft heraussuchen kann, und mit dem CIPAC-Schlüssel die entsprechenden Methoden für die Pflanzenbehandlungsmittelanalyse im „CIPAC Handbook, Analysis of Technical and Formulated Pesticides" finden kann. Auch die Specifications der FAO sind damit unmittelbar zugänglich.

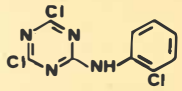
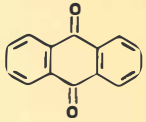
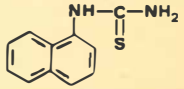
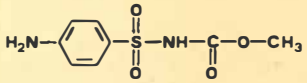
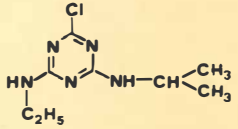
Die chemische Bezeichnung der Wirkstoffe in der Spalte 5 folgt den IUPAC-Regeln. Daneben sind in den nächsten Spalten Strukturformel und Molekulargewicht angegeben.

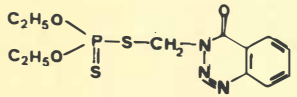
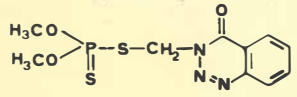
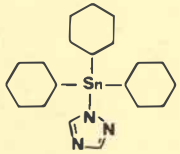
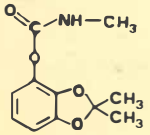
In der vorletzten Spalte des Verzeichnisses wird der Wirkungsbereich der Verbindung im Pflanzenschutz gekennzeichnet. Hierbei bedeuten die Abkürzungen:

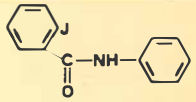
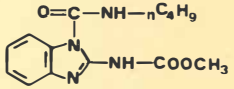
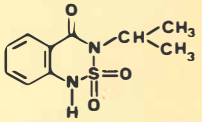
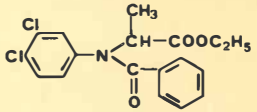
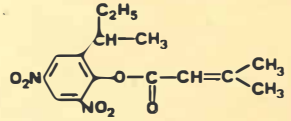
A = Akarizid
F = Fungizid
H = Herbizid
I = Insektizid
M = Molluskizid
N = Nematizid
O = Avizid
P = Repellent
R = Rodentizid
S = Synergist
W = Pflanzenwachstumsregulator

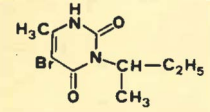
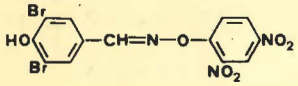
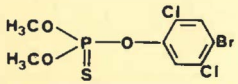
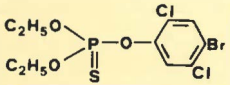
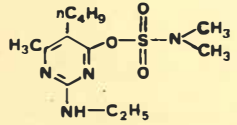
In der letzten Spalte werden weitere zur Zeit gebräuchliche Bezeichnungen für den Wirkstoff aufgeführt.

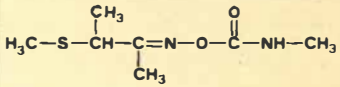
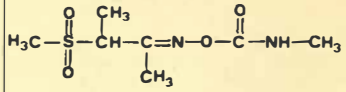
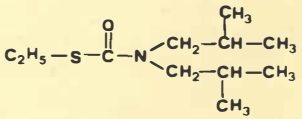
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
1	358	338	Acephat	O,S-Dimethyl-N-acetylphosphoramidothioat		$C_4H_{10}NO_3PS$	183.2	I	
2	318	204	Alachlor	2'-Chlor-2,6-diethyl-N-methoxymethyl-acetanilid		$C_{14}H_{20}ClNO_2$	269.8	H	
3	250	215	Aldicarb	2-Methyl-2-(methylthio)-propionaldehyd-O-(methylcarbamoyl) oxim		$C_7H_{14}N_2O_2S$	190.3	I N	
4	489		Alloxydim	2-[(1-Allyloximino) butyl]-4-methoxycarbonyl-5,5-dimethyl-3-oxocyclohex-1-enol		$C_{17}H_{25}NO_5$	323.4	H	
5	121			Allylalkohol		C_3H_6O	58.1	H	
6	352	227		Aluminiumphosphid		AlP	59.0	I	
7	4	90	Amitrol	3-Amino-1,2,4-triazol		$C_2H_4N_4$	84.1	H	

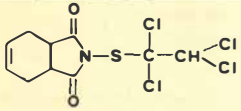
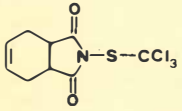
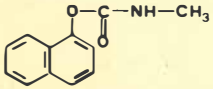
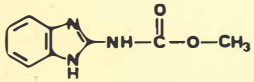
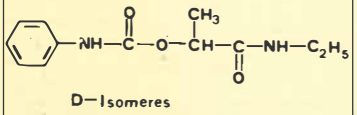
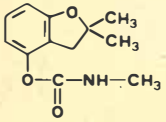
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
7a	186	294	Anilazin	2,4-Dichlor-6-(2-chloranilin)-1,3,5-triazin		$C_9H_5Cl_3N_4$	275.5	F	Zinochlor
8	123	290		Anthrachinon		$C_{14}H_8O_2$	208.2	P	
9	5	39	Antu	1-Naphthylthio-harnstoff		$C_{11}H_{10}N_2S$	202.3	R	
10	312	240	Asulam	Methyl-N-(4-amino-benzolsulfonyl)-carbamat		$C_8H_{10}O_4N_2S$	230.2	H	
11	6	91	Atrazin	4-Ethylamino-6-chlor-2-isopropylamino-1,3,5-triazin		$C_8H_{14}ClN_5$	215.7	H	

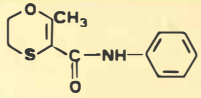
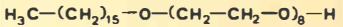
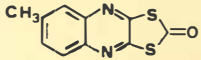
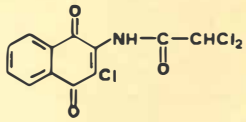
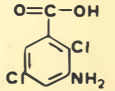
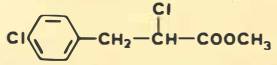
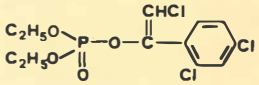
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wir-kungs-bereich	weitere Namen
12	62	37 b	Azinphos-ethyl	O,O-Diethyl-S-(3,4-dihydro-4-oxobenzo-[d]-[1,2,3]-triazin-3-yl)-methyl-dithio-phosphat		$C_{12}H_{16}N_3O_3PS_2$	345.4	A I	
13	63	37 a	Azinphos-methyl	S-(3,4-dihydro-4-oxobenzo-[d]-[1,2,3]-triazin-3-yl)-methyl-O,O-dimethyldi-thiophosphat		$C_{10}H_{12}N_3O_3PS_2$	317.3	A I	
14	480		Azocyclotin	Tri(cyclohexyl)-(1,2,4-triazol-1-yl)-zinn		$C_{20}H_{35}N_3Sn$	436.2	A	
15	253		Bacillus Thuringiensis					I	
16	469	232	Bendiocarb	2,2-Dimethylbenzo-1,3-dioxolan-4-yl-methylcarbamat		$C_{11}H_{13}NO_4$	223.2	I	

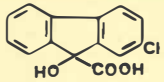
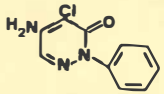
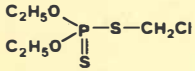
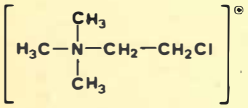
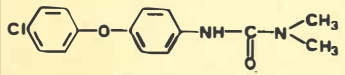
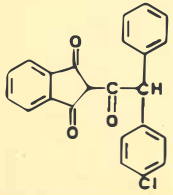
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
17	453		Benodanil	2-Jodbenzanilid		$C_{13}H_{10}JNO$	323.1	F	
18	261	206	Benomyl	Methyl-1-(butyl-carbamoyl)-benz-imidazol-2-yl-carbamat		$C_{14}H_{18}N_4O_3$	290.3	F	
19	335		Bentazon	3-Isopropyl-(1H)-benzo-2,1,3-thia-diazin-4-on-2.2-dioxid		$C_{10}H_{12}N_2O_3S$	240.3	H	
20	360	229	Benzoylprop-ethyl	Ethyl-2-(N-benzoyl-3,4-dichloranilino)-propionat		$C_{18}H_{17}Cl_2NO_3$	366.3	H	
21	8	138	Binapacryl	2,4-Dinitro-6-sec. butylphenyl-β-methyl-crotonat		$C_{15}H_{18}N_2O_6$	322.4	A F	
22	11	126	Blausäure	Cyanwasserstoffsäure	HCN	CHN	27.0	I R	

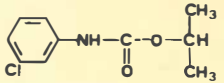
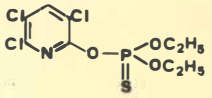
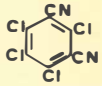
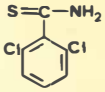
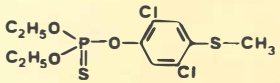
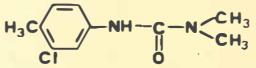
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
23	222	139	Bromacil	5-Brom-3-sec-butyl-6-methyl-uracil		$C_9H_{13}BrN_2O_2$	261.1	H	
24	302	269	Bromfenoxim	3,5-Dibrom-4-hydroxy-benzaldehyd-2,4-dinitro-phenyloxim		$C_{13}H_7Br_2N_3O_6$	461.0	H	Bromofen-oxim (ISO)
25	210	5	Bromophos	O-(4-Brom-2.5-dichlor-phenyl)-O,O-dimethyl-thiophosphat		$C_8H_8BrCl_2O_3PS$	366.0	I	
26	263	5 b	Bromophos-ethyl	O-(4-Brom-2,5-dichlor-phenyl)-O,O-diethyl-thiophosphat		$C_{10}H_{12}O_3BrCl_2PS$	394.0	A I	
27	264	78	Bromoxynil	3,5-Dibrom-4-hydroxy-benzonitril		$C_7H_3Br_2NO$	276.9	H	
28	418	261	Bupirimat	2-Ethylamino-5-n-butyl-6-methylpyri-midin-4-yl-dimethyl-sulfamat		$C_{13}H_{24}N_4O_3S$	316.4	F	

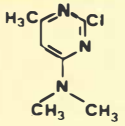
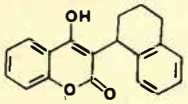
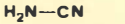
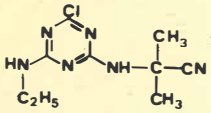
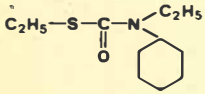
lfd. Nr.	BBA. Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
29	391		Butocarboxim	3-Methylthio-butanon-O-methylcarbamoyloxim		$C_7H_{14}N_2O_2S$	190.3	I	
30	345		Butoxycarboxim	3-Methylsulfonyl-butanon-O-methyl-carbamoyloxim		$C_7H_{14}N_2O_4S$	222.3	I	
31	361	266	Butylat	S-Ethyl-diisobutyl-thiocarbamat		$C_{11}H_{23}NOS$	217.4	H	
31a	265			Calciumcyanamid		$CaCN_2$	80.1	H F	Kalkstick-stoff
32	128	252		Calciumcyanid		$Ca(CN)_2$	92.1	I	
33	348			Calciumphosphid		Ca_3P_2	182.2	R	

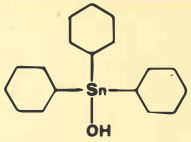
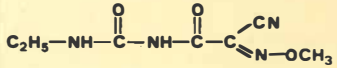
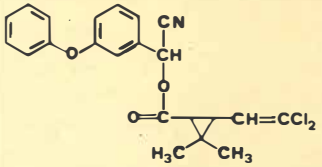
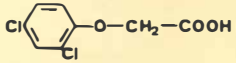
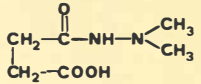
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
34	266	186	Captafol	N-(1,1,2,2-Tetrachlorethyl-thio)-3a,4,7,7a-tetrahydrophthalimid		$C_{10}H_9Cl_4NO_2S$	349.1	F	
35	12	40	Captan	N-(Trichlormethyl-thio)-3a,4,7,7a-tetrahydrophthalimid		$C_9H_8Cl_3NO_2S$	300.6	F	
36	100	26	Carbaryl	1-Naphthyl-N-methyl-carbamat		$C_{12}H_{11}NO_2$	201.2	I	
37	378	263	Carbendazim	Methyl-benzimidazol-2-yl-carbamat		$C_9H_9N_3O_2$	191.2	F	MBC BCM
38	267	95	Carbetamid	D-1-(Ethylcarbamoyl)-ethylphenylcarbamat	 D-Isomeres	$C_{12}H_{16}N_2O_3$	236.3	H	
	344	276	Carbofuran	2,3-Dihydro-2,2-dimethyl-benzofuran-4-yl-N-methyl-carbamat		$C_{12}H_{15}NO_3$	221.3	I	

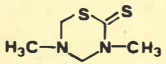
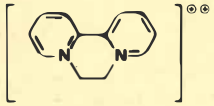
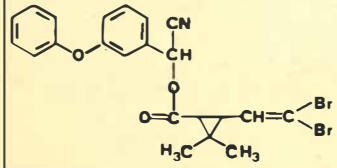
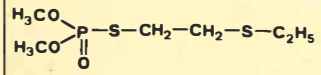
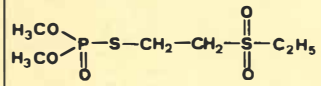
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
40	269	273	Carboxin	2,4-Dihydro-6-methyl-5-phenylcarbamoyl-1,4-oxathiin		$C_{12}H_{13}NO_2S$	235.3	F	
41	398		Cetoctaelat	Hexadecylpolyglykol-ether		$C_{39}H_{66}O_9$	594.9	F	
42	189	172	Chinomethionat	6-Methyl-2-oxo-1,3-dithiolo-[4,5-b]-chinoxalin		$C_{10}H_6N_2OS_2$	234.3	F A	
43	442		Chinonamid	2.2-Dichlor-N-(3-chlornaphtochinon-2-yl)acetamid		$C_{12}H_6Cl_3NO_3$	318.5	H	Quinonamid (ISO)
44	342	141	Chloramben	3-Amino-2,5-dichlor-benzoësäure		$C_7H_5Cl_2NO_2$	206.0	H	
45	273	270	Chlorfenpropmethyl	Methyl-2-chlor-3-(4-chlorphenyl)-propionat		$C_{10}H_{10}Cl_2O_2$	233.1	H	
46	239	88	Chlorfenvinphos	2-Chlor-1-(2,4 di-chlorphenyl)-vinyl-diethylphosphat		$C_{12}H_{14}Cl_3O_4P$	359.5	I	

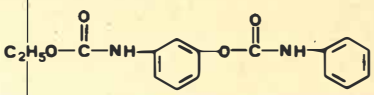
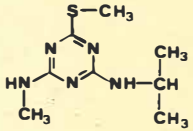
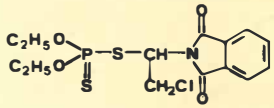
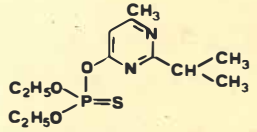
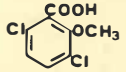
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
47	275		Chlorflurenol	2-Chlor-9-hydroxy-fluoren-9-carbonsäure		$C_{14}H_9ClO_2$	274.5	H W	
48	89	111	Chloridazon	5-Amino-4-chlor-2-phenylpyridazin-3-on		$C_{10}H_8ClN_3O$	221.6	H	Pyrazon
49	402	337	Chlormephos	S-Chlormethyl-O,O-diethyl-dithiophosphat		$C_5H_{12}ClO_2PS_2$	234.6	I	
50	388	143	Chlormequat	(2-Chlorethyl)trimethylammonium		$C_5H_{13}ClN$	158.1	W	CCC (als Chlorid)
51	19	187	Choroxuron	3-[4-(4-Chlorphenoxy)-phenyl]-1,1-dimethylharnstoff		$C_{15}H_{15}ClN_2O_2$	290.8	H	
52	238	208	Chlorphacinon	2-[2-(4-Chlorphenyl)-2-phenyl-acetyl]-indan-1,3-dion		$C_{23}H_{15}ClO_3$	374.8	R	Chlorophacinon (ISO)

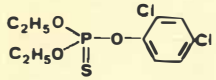
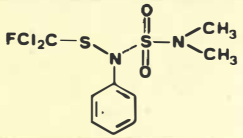
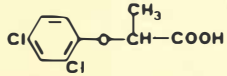
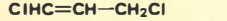
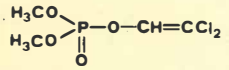
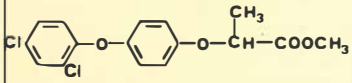
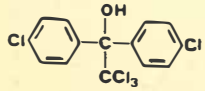
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
53	21	43	Chlorpropham	Isopropyl-N-3-chlor-phenylcarbamat		$C_{10}H_{12}ClNO_2$	213.7	H W	CIPC
54	363	221	Chlorpyrifos	O,O-Diethyl-O-3,5,6-trichlor-2-pyridyl-thio-phosphat		$C_9H_{11}Cl_3NO_3PS$	350.6	I	
55	276	288	Chlorthalonil	Tetrachlorisophthalo-nitril		$C_8Cl_4N_2$	265.9	F	Chloro-thalonil (ISO)
56	224	72	Chlorthiamid	2,6-Dichlorthiobenzamid		$C_7H_5Cl_2NS$	206.1	H	
57	465		Chlorthiophos	O,O-Diethyl-O-2,5-dichlor-4-(methylthio)-phenyl-thiophosphat		$C_{11}H_{15}Cl_2O_3PS_2$	360.1	I	
58	279	217	Chlortoluron	3-(3-Chlor-4-methyl-phenyl)-1,1-dimethyl-harnstoff		$C_{10}H_{13}ClN_2O$	212.7	H	

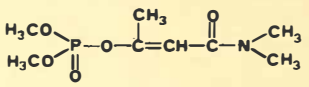
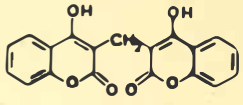
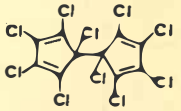
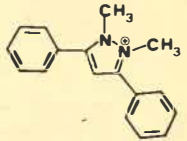
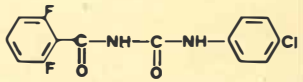
lfd. Nr.	BBA Nr.	CIPAC Nr	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
59	164	190	Crimidin	2-Chlor-4-(dimethylamino)-6-methylpyrimidin		$C_7H_{10}ClN_3$	171,6	R	
60	26	189	Cumatetralyl	4-Hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl)-cumarin		$C_{19}H_{16}O_3$	292.3	R	Coumatetralyl (ISO)
61	280			Cyanamid		CH_2N_2	42.0	H	
62	362	230	Cyanazin	4-Ethylamino-2-(1-cyano-1-methylethylamino)-6-chlor-1,3,5-triazin		$C_9H_{13}ClN_6$	240.7	H	
63	336	214	Cycloat	N-Ethyl-S-ethyl-N-cyclohexyl-thiocarbamat		$C_{11}H_{21}NOS$	215.4	H	

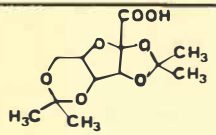
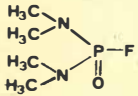
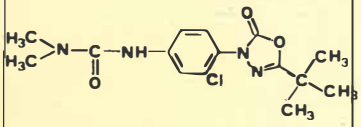
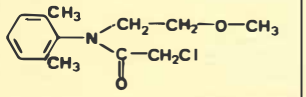
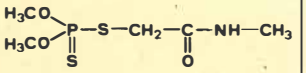
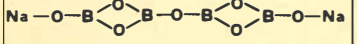
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wir-kungs-bereich	weitere Namen
64	326	289	Cyhexatin	Trichlohexyl-zinn-hydroxid		$C_{18}H_{34}OSn$	385.2	A	
64a	513		Cymoxanil	1-[Cyano(methoximino)-acetyl]-3-ethylharnstoff		$C_7H_{10}N_4O_3$	198	F	Curzate
65	498	332	Cypermethrin	(±)α-Cyano-3-phenoxybenzyl-(±)-cis,trans-3-(2,2-dichlorvinyl)-2,2-dimethylcyclopropancarboxylat		$C_{22}H_{19}Cl_2NO_3$	416.3	I	
66	27	1	2,4-D	2,4-Dichlorphenoxy-essigsäure		$C_8H_6Cl_2O_3$	221.0	H	
67	28	52	Dalapon	2,2-Dichlorpropionsäure		$C_3H_4Cl_2O_2$	143.0	H	
68	437	330	Daminozid	Bernsteinsäuremono(2,2-dimethylhydrazid)		$C_6H_{12}N_2O_3$	160.0	W	

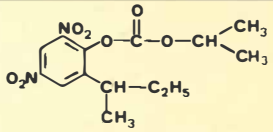
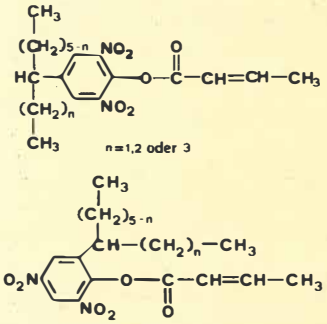
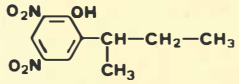
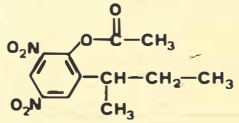
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
69	29	146	Dazomet	Tetrahydro-3,5-dimethyl-1,3,5-thiadiazin-2-thion		$C_5H_{10}N_2S_2$	162.3	N F H	
70	37	55	Deiquat	1,1′-Ethylen-2,2′-bipyridylium		$C_{12}H_{12}N_2$	184.2	H	Diquat (ISO)
71	496	333	Deltamethrin	(S)-α-Cyano-3-phenoxybenzyl(1R,3R)-3-(2,2-dibromvinyl)-2,2-dimethylcyclopropancarboxylat		$C_{22}H_{19}Br_2NO_3$	505.2	I	Decamethrin
72	33	47 a (S)	Demeton-S-methyl	S-[2-(Ethylthio)-ethyl]-O,O-dimethyl-thiophosphat		$C_6H_{15}O_3PS_2$	230.3	I A	
73	77		Demeton-S-methylsulfon	S-[2-(Ethyl-sulfonyl)-ethyl]-O,O-dimethyl-thiophosphat		$C_6H_{15}O_5PS_2$	262.3	I A	

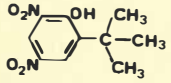
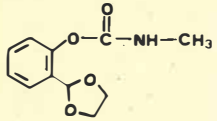
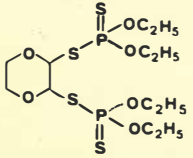
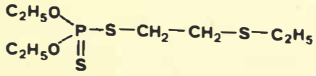
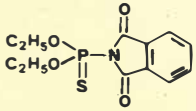
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
74	415		Desmedipham	Ethyl-3-phenyl-carbamoyloxy-phenylcarbamat		$C_{16}H_{16}N_2O_4$	300.3	H	
75	244	147	Desmetryn	2-Isopropylamino-4-methylamino-6-methylthio-1,3,5-triazin		$C_8H_{15}N_5S$	213.3	H	
76	281	327	Dialifos	S-(2-Chlor-1-phthalimidoethyl)-O,O-diethyl-dithiophosphat		$C_{14}H_{17}ClNO_4PS_2$	393.8	I	
77	35	15	Diazinon	O,O-Diethyl-O-(2-isopropyl-6-methyl-pyrimidin-4-yl)thio-phosphat		$C_{12}H_{21}N_2O_3PS$	304.3	I A	
78	218	85	Dicamba	3,6-Dichlor-2-methoxybenzoësäure		$C_8H_6Cl_2O_3$	221.0	H	
79	225	73	Dichlobenil	2,6-Dichlorbenzonitril		$C_7H_3Cl_2N$	172.0	H	

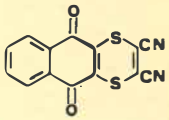
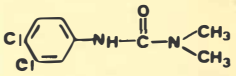
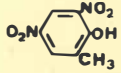
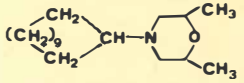
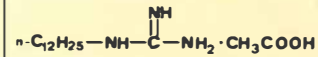
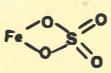
lfd. Nr.	BBA Nr.	CIPAC Nr	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
80	282	148	Dichlofenthion	O,O-Diethyl-O-(2,4-dichlorphenyl)-thiophosphat		$C_{10}H_{13}Cl_2O_3PS$	315.2	I	
81	203	74	Dichlofluanid	N-[(Dichlorfluormethyl)-thio]-N',N'-dimethyl-N-phenylsulfamid		$C_9H_{11}Cl_2FN_2O_2S_2$	333.2	F	
82	38	84	Dichlorprop	2-(2,4-Dichlorphenoxy)propionsäure		$C_9H_8Cl_2O_3$	235.1	H	2.4-DP
83	140			1,3-Dichlorpropen		$C_3H_4Cl_2$	111.0	N	
84	200	11	Dichlorvos	O-2,2-Dichlorvinyl-O,O-dimethylphosphat		$C_4H_7Cl_2O_4P$	221.0	I A	DDVP
85	424	358	Diclofopmethyl	Methyl-2-[4-(2,4-dichlorphenoxy) phenoxy]propionat		$C_{16}H_{14}Cl_2O_4$	341.2	H	
	69	123	Dicofol	2,2,2-Trichlor-1,1-di-(4-chlorphenyl)-ethanol		$C_{14}H_9Cl_5O$	370.5	A	Kelthan

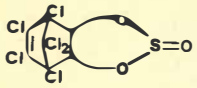
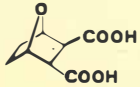
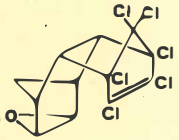
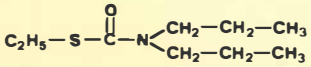
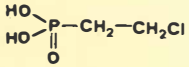
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
87	330	299	Dicrotophos	3-(Dimethoxyphosphinyloxy)-N,N-dimethylisocrotonamid		$C_8H_{16}NO_5P$	237.2	A I	
88	285		Dicumarol	3,3'-Methylen-bis-(4-hydroxycumarin)		$C_{19}H_{12}O_6$	336.3	R	
89	286			Dicyclopentadien		$C_{10}H_{12}$	132.2	P	
90	304		Dienochlor	Perchlorbi-(cyclopenta-2,4-dien-1-yl)		$C_{10}Cl_{10}$	474.6	A	
91	397		Difenzoquat	1,2-Dimethyl-3,5-diphenylpyrazolium		$C_{17}H_{17}N_2$	249.3	H	
92	426	339	Diflubenzuron	1-(4-Chlorphenyl)-3-(2,6-difluorbenzoyl)-harnstoff		$C_{14}H_9ClF_2N_2O_2$	310.7	I	Diflurc

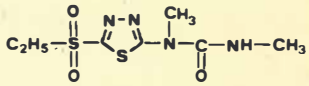
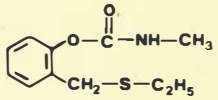
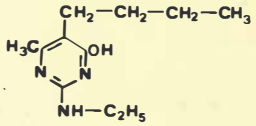
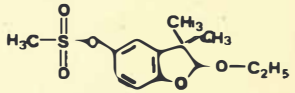
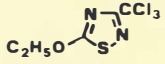
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
93	433		Dikegulac	2,3:4,6-Di-O-isopropyliden-α-L-xylo-2-hexulofuranosonsäure		$C_{12}H_{18}O_7$	274	W	
94	40	58	Dimefox	Bis-(Dimethylamino)-fluorphosphinoxid		$C_4H_{12}FN_2OP$	154.1	A I	
95	452	279	Dimefuron	1-[4-(5-tert.Butyl-2-oxo-1,3,4-oxadiazol-3-yl)-3-chlorphenyl]-3,3-dimethylharnstoff		$C_{15}H_{19}ClN_4O_3$	338.8	H	
96	413		Dimethachlor	α-Chlor-N-(2-methoxyethyl)-2',6'-dimethylacetanilid		$C_{13}H_{18}ClNO_2$	225.7	H	
97	42	59	Dimethoat	O,O-Dimethyl-S-(methylcarbamoyl-methyl)-dithiophosphat		$C_5H_{12}NO_3PS_2$	229.3	A I	
98	194			Dinatriumtetraborat		$Na_2B_4O_7$	201.4	H	Borax

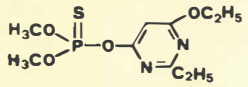
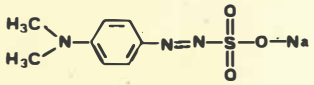
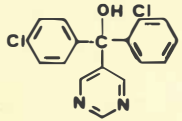
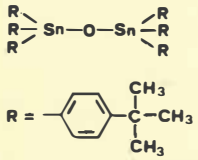
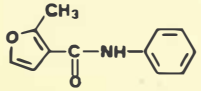
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
99	255	223	Dinobuton	2-sec.Butyl-4,6-dinitrophenyl-isopropylcarbonat		$C_{14}H_{18}N_2O_7$	326.3	A F	
100	68	98	Dinocap	Reaktionsgemisch aus 2,6-Dinitro-4-octylphenylcrotonat und 2,4-Dinitro-6-octylphenylcrotonat		$C_{18}H_{24}N_2O_6$	364.4	F	
101	43	46	Dinoseb	2-sec.Butyl-4,6-dinitrophenol		$C_{10}H_{12}N_2O_5$	240.2	A F H I	
102	430		Dinosebacetat	2-sec.Butyl-4,6-dinitrophenylacetat		$C_{12}H_{14}N_2O_6$	282.0	H	

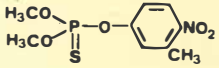
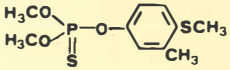
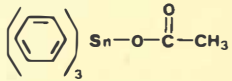
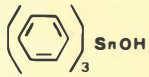
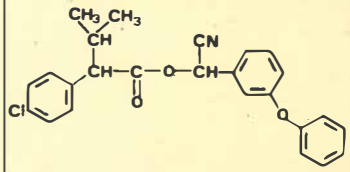
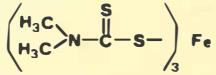
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
103	333	238	Dinoterb	2-tert.Butyl-4,6-dinitrophenol		$C_{10}H_{12}N_2O_5$	240.2	H	
104	407		Dioxacarb	2-(1,3-Dioxolan-2-yl)-phenyl-methyl-carbamat		$C_{11}H_{13}NO_4$	223.2	I	
105	31	124	Dioxathion	S,S-1,4-Dioxan-2,3-yliden-bis-(O,O-diethyldithiophosphat)		$C_{12}H_{26}O_6P_2S_4$	456.6	I	
106	44	152	Disulfoton	O,O-Diethyl-S-[2-(ethylthio)-ethyl]-dithiophosphat		$C_8H_{19}O_2PS_3$	274.4	A I	
107	372		Ditalimfos	O,O-Diethylphthal-imidothiophosphonat		$C_{12}H_{14}NO_4PS$	299.3	F	

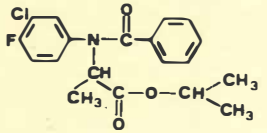
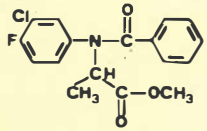
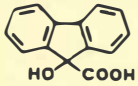
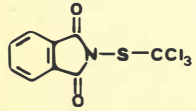
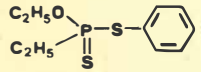
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
108	45	153	Dithianon	2,3-Dicyano-1,4-dithia-anthrachinon		$C_{14}H_4N_2O_2S_2$	296.3	F	
109	46	100	Diuron	1-(3,4-Dichlor-phenyl)-3,3-dimethyl-harnstoff		$C_9H_{10}Cl_2N_2O$	233.1	H	
110	47	19	DNOC	2-Methyl-4,6-dinitro-phenol		$C_7H_6N_2O_5$	198.1	H I	
111	223	300	Dodemorph	4-Cyclododecyl-2,6-dimethylmorpholin		$C_{18}H_{35}NO$	282.5	F	
112	48	101	Dodin	n-Dodecylguanidin-acetat		$C_{15}H_{33}N_3O_2$	287.5	F	
113	229			Eisen(II)sulfat		$FeSO_4$ $FeSO_4 \cdot 7H_2O$	151.9 278.0	H	

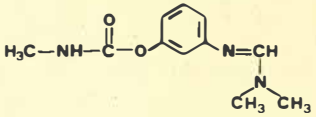
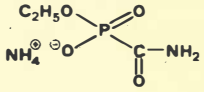
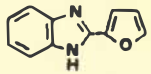
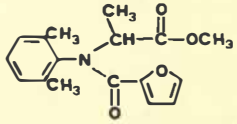
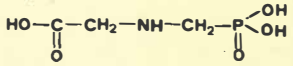
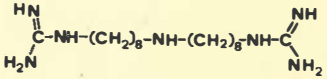
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
114	50	89	Endosulfan	6,7,8,9,10,10-Hexachlor-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzo[e]dioxathiepin-3-oxid		$C_9H_6Cl_6O_3S$	407.0	A I	
115	395	154	Endothal	3,6-Epoxycyclohexan-1,2-dicarbonsäure		$C_8H_{10}O_5$	186.1	H	
116	52	28	Endrin	1,2,3,4,10,10-Hexachlor-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-exo-1,4-exo-5,8-dimethanonaphthalin		$C_{12}H_8Cl_6O$	380.9	R (I)	
117	289	155	EPTC	S-Ethyl-dipropylthiocarbamat		$C_9H_{19}NOS$	189.3	H	
118	481		Ethephon	2-Chlorethylphosphonsäure		$C_2H_6ClO_3P$	144.5	W	

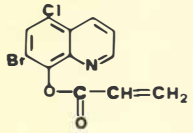
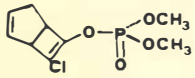
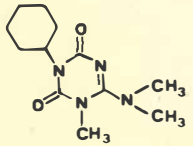
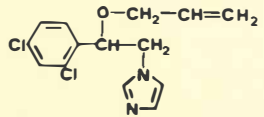
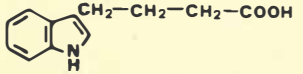
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
119	406		Ethidimuron	1-(5-Ethylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethyl-harnstoff		$C_7H_{12}N_4O_3S_2$	264.3	H	Sulfodiazol
120	393		Ethiofencarb	α-Ethylthio-o-tolyl-methylcarbamat		$C_{11}H_{15}NO_2S$	225.3	I	
121	290	242	Ethirimol	2-Ethylamino-5-n-butyl-4-hydroxy-6-methylpyrimidin		$C_{11}H_{19}N_3O$	209.3	F	
122	383	233	Ethofumesat	2-Ethoxy-2,3-dihydro-3,3-dimethyl-benzofuran-5-yl-methansulfonat		$C_{13}H_{18}O_5S$	254.3	H	
123	387		Etridiazol	5-Ethoxy-3-trichlor-methyl-1,2,4-thia-diazol		$C_5H_5Cl_3NOS$	247.5	F	

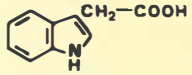
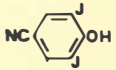
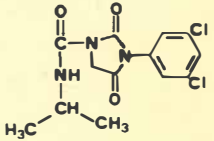
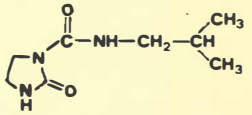
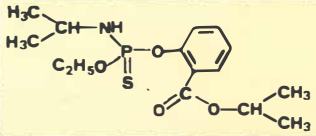
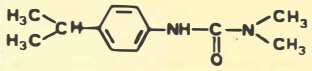
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
124	445		Etrimfos	O-(6-Ethoxy-2-ethylpyrimidin-4-yl)-O,O-dimethyl-thiophosphat		$C_{10}H_{17}N_2O_4PS$	292.0	I	
125	291		Fenaminosulf	Natrium-4-dimethylaminobenzol-diazosulfonat		$C_8H_{10}N_3NaO_3S$	251.2	F	
126	495		Fenarimol	2,4′-Dichlor-α-[pyrimidin-5-yl]-benzhydrol		$C_{17}H_{12}Cl_2N_2O$	331.2	F	
127	410		Fenbutatinoxid	Di[tri-(2-methyl-2-phenylpropyl)-zinn]-oxid		$C_{60}H_{78}OSn_2$	1052.6	A	
128	438		Fenfuram	2-Methyl-3-furanilid		$C_{12}H_{11}NO_2$	201.0	F	

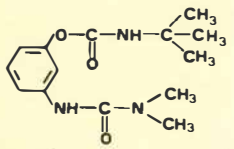
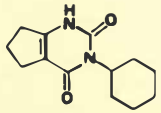
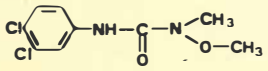
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
129	58	35	Fenitrothion	O,O-Dimethyl-O-(4-nitro-m-tolyl)-thiophosphat		$C_9H_{12}NO_5PS$	277.2	I A	
130	57	79	Fenthion	O,O-Dimethyl-O-(3-methyl-4-methylthio-phenyl)thiophosphat		$C_{10}H_{15}O_3PS_2$	278.3	I	
131	55	103	Fentinacetat	Triphenyl-zinn-acetat		$C_{20}H_{18}O_2Sn$	409.1	F	
132	349	103	Fentinhydroxid	Triphenyl-zinn-hydroxid		$C_{18}H_{16}OSn$	367.0	F	
133	492	334	Fenvalerat	α-Cyano-3-phenoxy-benzyl-isopropyl-p-chlorphenylacetat		$C_{25}H_{22}ClNO_3$	419.9	I	
134	59	57	Ferbam	Eisen-tris-(dimethyl-dithiocarbamat)		$C_9H_{18}FeN_3S_6$	416.5	F	

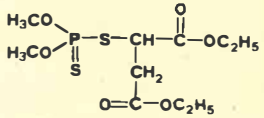
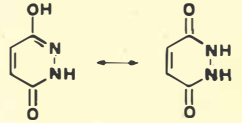
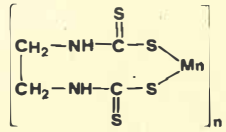
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung.	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
135	468	348	Flamprop-isopropyl	Isopropyl-2(N-benzoyl-3-chlor-4-fluoranilino)propionat		$C_{19}H_{19}ClFNO_3$	331.5	H	
136	451	349	Flamprop-methyl	Methyl-2(N-benzoyl-3-chlor-4-fluor-anilino)-propionat		$C_{17}H_{15}ClFNO_3$	303.5	H	
137	215	304	Flurenol	9-Hydroxyfluoren-9-carbonsäure		$C_{14}H_{10}O_3$	226.2	H	
138	91	75	Folpet	N-Trichlormethylthio-phthalimid		$C_9H_4Cl_3NO_2S$	296.6	F	
139	288	306	Fonofos	O-Ethyl-S-phenyl-ethyl-dithiophosphonat		$C_{10}H_{15}OPS_2$	246.3	I	

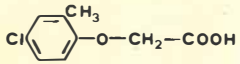
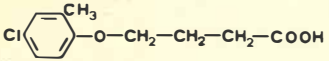
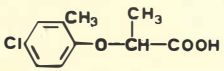
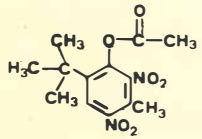
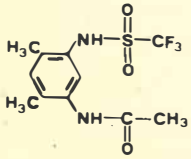
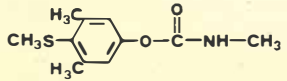
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
140	243		Formetanat	3-Dimethylamino-methylen-amino-phenyl-methyl-carbamat		$C_{11}H_{15}N_3O_2$	221.3	A I	
141	399	344	Fosamin	Ammonium-ethyl-carbamoylphosphonat		$C_3H_{11}N_2O_4P$	170.1	H	
142	214		Fuberidazol	2-(2-Furyl)-benzimidazol		$C_{11}H_8N_2O$	184.2	F	
142a	514		Furalaxyl	(±)-Methyl-2-[N-(2-furoyl)-N-(2,6-xylyl)]-alaninat		$C_{17}H_{19}NO_4$	301.3	F	
143	405	284	Glyphosat	N-(Phosphonomethyl)-glycin		$C_3H_8NO_5P$	169.1	H	
144	449		Guazatin	Di-(8-guanidino-octyl)amin		$C_{18}H_{41}N_7$	355.6	F	

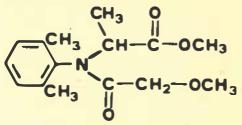
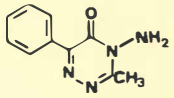
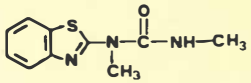
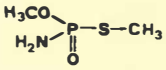
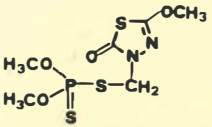
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
145	420		Halacrinat	7-Brom-5-chlor-chinolin-8-yl-acrylat		$C_{12}H_7BrClNO_2$	303.6	F	
146	427		Heptenophos	7-Chlorbicyclo[3,2,0]-hepta-2,6-dien-6-yl-dimethylphosphat		$C_9H_{12}ClO_4P$	250.6		
147	403		Hexazinon	3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazin-2,4-dion		$C_{12}H_{20}N_4O_2$	252.3	H	
148	448	335	Imazalil	1-(β-Allyloxy-β-2,4-dichlorphenylethyl) imidazol		$C_{14}H_{14}Cl_2N_2O$	297.2	F	
148a	145			4-(3-Indol)-buttersäure		$C_{12}H_{13}NO_2$	203.2	W	

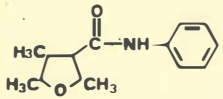
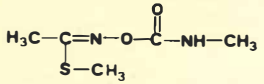
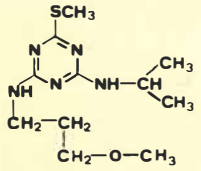
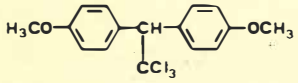
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
148b	144			(3-Indol)-essigsäure		$C_{10}H_9NO_2$	175.2	W	
149	212	86	Ioxynil	4-Hydroxy-3,5-dijod-benzonitril		$C_7H_3J_2NO$	370.9	H	
150	419		Iprodion	3-(3,5-Dichlor-phenyl)-1-isopropyl-carbamoyl-imidazolidin-2,4-dion		$C_{13}H_{13}Cl_2N_3O_3$	330.2	F	Glycophen
151	359		Isocarbamid	1-Isobutylcarbamoyl-imidazolidin-2-on		$C_8H_{15}N_3O_2$	185.2	H	
152	408		Isofenphos	O-Ethyl-O-(2-iso-propoxycarbonyl) phenyl-isopropyl-phosphoramidothioat		$C_{15}H_{24}NO_4PS$	345.0	I	
153	411	336	Isoproturon	3-(4-Isopropyl-phenyl)-1,1-dimethyl-harnstoff		$C_{12}H_{18}N_2O$	206.0	H	

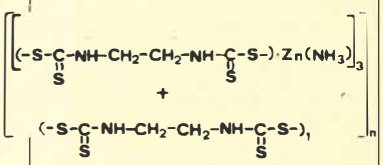
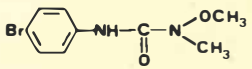
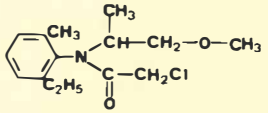
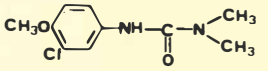
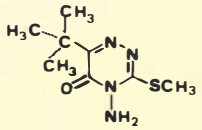
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
155	315		Karbutilat	3-(3',3'Dimethyl-ureido)-phenyl-tert. butyl-carbamat		$C_{14}H_{21}N_3O_3$	279.3	H	
156	295		Kupfer-naphthenat		Keine definierte Zusammensetzung			F	
157	147			Kupferoxychlorid	$3\,Cu(OH)_2 \cdot CuCl_2$	$Cu_4H_6Cl_2O_6$	427.1	F	
158	237	163	Lenacil	3-Cyclohexyl-6,7-dihydro-1H-cyclo-pentapyrimidin-2,4-(3H,5H)-dion		$C_{13}H_{18}N_2O_2$	234.3	H	
159	70	4 γ	Lindan	γ-1,2,3,4,5,6-Hexa-chlorcyclohexan		$C_6H_6Cl_6$	290.9	I	
160	71	76	Linuron	3-(3,4-Dichlor-phenyl)-1-methoxy-1-methylharnstoff		$C_9H_{10}Cl_2N_2O_2$	249.1	H	

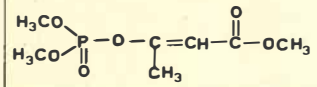
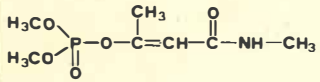
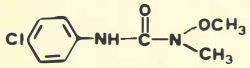
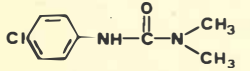
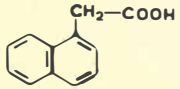
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
161	354	228		Magnesiumphosphid		Mg_3P_2	134.9	I	
162	72	12	Malathion	S-[1,2-bis(Ethoxy-carbonyl)-ethyl]-O,O-dimethyldithiophosphat		$C_{10}H_{19}O_6PS_2$	330.4	A I	
163	297	310	Maleinsäure-hydrazid	1,2-Dihydro-3,6-pyridazinon		$C_4H_4N_2O_2$	112.1	H	
164	10	34	Mancozeb	Maneb-Zineb-Mischfällung mit 20 % Mn und 2,5 % Zn				F	
165	73	61	Maneb	Mangan-ethylen-1,2-bis-dithiocarbamat	 Näherungsformel	$C_4H_6MnN_2S_4$	265.3	F	

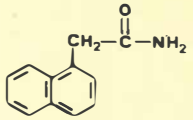
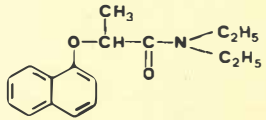
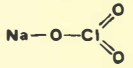
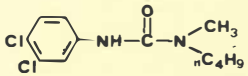
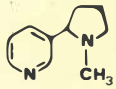
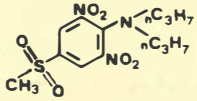
lfd. Nr.	BBA Nr.	CIPAC Nr	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
166	74	2	MCPA	4-Chlor-2-methyl-phenoxyessigsäure		$C_9H_9ClO_3$	200.6	H	
167	75	50	MCPB	4-(4-Chor-2-methyl phenoxy)buttersäure		$C_{11}H_{13}ClO_3$	228.7	H	
168	76	51	Mecoprop	(±)2-(4-Chlor-2-methylphenoxy) propionsäure		$C_{10}H_{11}ClO_3$	214.6	H	MCPP CMPP
169	364	164	Medinoterb-acetat	2,4-Dinitro-3-methyl-6-tert.butyl-phenyl-acetat		$C_{13}H_{16}N_2O_6$	296.3	H	
170	488		Mefluidid	N-[2,4-dimethyl-5-(trifluormethyl-sulfonylamino)-phenyl]acetamid		$C_{11}H_{13}F_3N_2O_3S$	310.3	W	
	79	165	Mercapto-dimethur	4-Methylthio-3,5-xylyl-N-methylcarbamat		$C_{11}H_{15}NO_2S$	225.3	I A M	

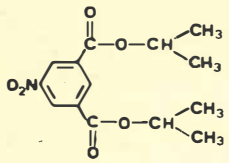
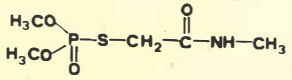
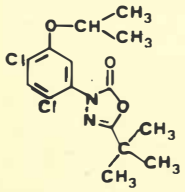
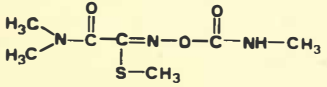
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
171a	517		Metalaxyl	Methyl-N-(2-methoxy-acetyl)-N-(2,6-xylyl)-alaninat		$C_{15}H_{21}NO_4$	279.3	F	Metaxanin
172	151	62		Metaldehyd		$C_8H_{16}O_4$ (n=4)	176.2 (n=4)	M	
173	456		Metamitron	4-Amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4-triazin-5-on		$C_{10}H_{10}N_4O$	202.2	H	
174	245	201	Methabenz-thiazuron	1,2-Benzothiazolyl-1,3-dimethylharnstoff		$C_{10}H_{11}N_3OS$	221.3	H	
175	365	355	Methamidophos	O,S-Dimethylamido-thiophosphat		$C_2H_8NO_2PS$	141.1	I	
176	232	193	Methidathion	S-(2,3-Dihydro-5-methoxy-2-oxo-1,3,4-thiadiazol-3-ylmethyl)-O,O-dimethyl-dithiophosphat		$C_6H_{11}N_2O_4PS_3$	302.3	I	

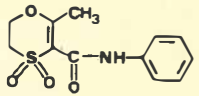
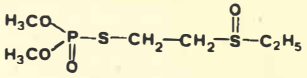
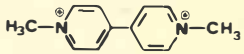
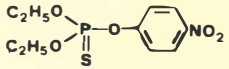
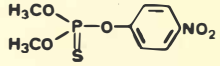
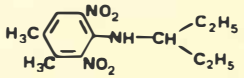
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
176a	504		Methfuroxam	2,4,5-Trimethyl-3-furanilid		$C_{14}H_{15}NO_2$	229.3	F	Furavax
177	299	264	Methomyl	1-Methylthio-ethyliden-amino-N-methylcarbamat		$C_5H_{10}N_2O_2S$	162.2	I	
178	219	94	Methoprotryn	2-Isopropylamino-4-(3-Methoxy-n-propyl-amino)-6-methylthio-1,3,5-triazin		$C_{11}H_{21}N_5OS$	271.4	H	
179	80	14	Methoxychlor	1,1,1-Trichlor-2,2-bis-(4-methoxyphenyl)-ethan		$C_{16}H_{15}Cl_3O_2$	345.7	I	
180	149	128	Methylbromid	Brommethan	CH_3Br	CH_3Br	94.9	I N	
	150			Methylisothiocyanat	$H_3C-N=C=S$	C_2H_3NS	73.1	F H N	

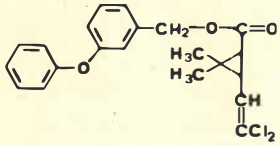
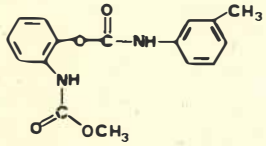
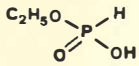
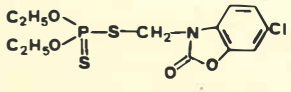
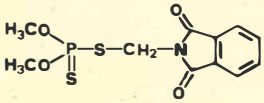
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
182	81		Metiram	Mischfällung bestehend aus dem Ammoniak-Komplex von Zink-(N,N′-ethylen-bis-(dithiocarbamat) und N,N′-Polyethylen-bis-(thiocarbamoyl)-disulfid		theor. monomere Verbindung $C_{16}H_{33}N_{11}S_{16}Zn_3$	1088.7	F	
183	217	168	Metobromuron	3-(4-Bromphenyl)-1-methoxy-1-methyl-harnstoff		$C_9H_{11}BrN_2O_2$	259.1	H	
184	422		Metolachlor	N-(2-Ethyl-6-methyl-phenyl)-N-(2-methoxy-1-methylethyl)-chlor-acetamid		$C_{15}H_{22}ClNO_2$	283.8	H	
185	301	219	Metoxuron	3-(3-Chlor-4-methoxy-phenyl)-1,1-dimethyl-harnstoff		$C_{10}H_{13}ClN_2O_2$	228.7	H	
186	337	283	Metribuzin	4-Amino-4,5-dihydro-3-methylthio-6-tert butyl-1,2,4-triazin-5-on		$C_8H_{14}N_4OS$	214.3	H	

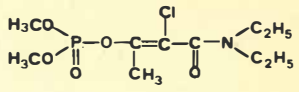
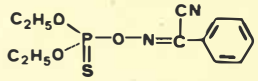
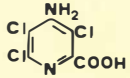
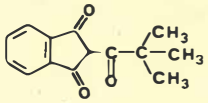
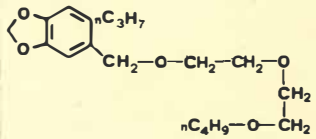
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
187	93	45	Mevinphos	2-Methoxycarbonyl-1-methylvinyl-dimethylphosphat		$C_7H_{13}O_6P$	224.2	I A	
188	191			Monochlorbenzol		C_6H_5Cl	112.6	P	
189	259	287	Monocrotophos	3-Hydroxy-N-methyl-crotonamid-O,O-dimethylphosphat		$C_4H_{14}NO_5P$	223.2	I A	
190	82	169	Monolinuron	3-(4-Chlorphenyl)-1-methoxy-1-methyl-harnstoff		$C_9H_{11}ClN_2O_2$	214.7	H	
191	83	99	Monuron	3-(4-Chlorphenyl)-1,1-dimethylharnstoff		$C_9H_{11}ClN_2O$	198.7	H	
192	434	313		1-Naphthylessigsäure		$C_{12}H_{10}O_2$	186.2	W	

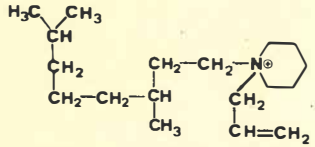
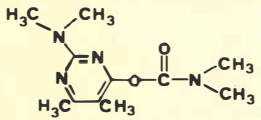
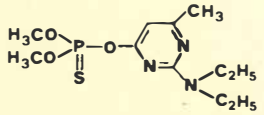
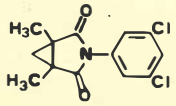
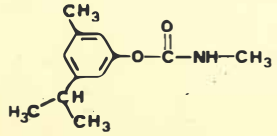
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
193	435	282		1-Naphthylessigsäure-amid		$C_{12}H_{11}NO$	185.2	W	
194	367	271	Napropamid	N,N-Diethyl-2-(1-naphthoxy-propionamid		$C_{17}H_{21}NO_2$	271.4	H	
195	146	7		Natriumchlorat		$NaClO_3$	106.7	H	
196	251	314	Neburon	1-n-Butyl-3-(3,4-dichlorphenyl)-1-methylharnstoff		$C_{12}H_{16}Cl_2N_2O$	275.2	H	
197	85	8	Nikotin	3-(1-Methyl-pyrrolidin-2-yl)-pyridin		$C_{10}H_{14}N_2$	162.2	I	
198	368		Nitralin	4-Methylsulfonyl-2,6-dinitro-N,N-dipropyl-anilin		$C_{13}H_{19}N_3O_6S$	345.2	H	

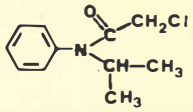
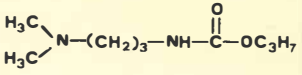
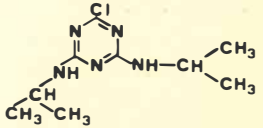
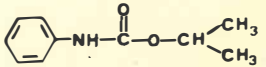
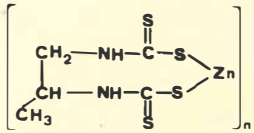
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
199	416		Nitrothal-iso-propyl	5-Nitro-isophthalsäurediisopropylester		$C_{14}H_{17}NO_6$	295.3	F	
200	236	202	Omethoat	O,O-Dimethyl-S-(N-methylcarbamoyl-methyl)-thiophosphat		$C_5H_{12}NO_4PS$	213.2	I A	
201	390	213	Oxadiazon	5-tert.-Butyl-3-(-2,4-dichlor-5-isopropoxy-phen-1-yl)-1,3,4-oxadiazolin-2-on		$C_{15}H_{18}Cl_2N_2O_3$	345.2	H	
202	441	172	Oxamyl	2-Dimethylamino-1-(methylthio) glyoxal-O-methyl-carbamoyl-oxim		$C_7H_{13}N_3O_3S$	219.3	I N	Thioxamyl

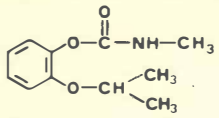
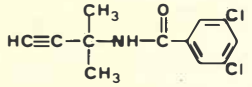
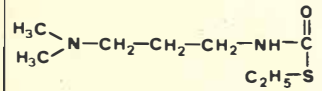
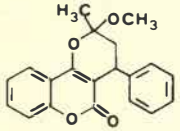
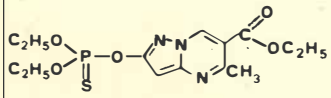
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
203	254	274	Oxycarboxin	2,3-Dihydro-6-methyl-5-phenylcarbamoyl-1,4-oxathiin-4,4-dioxid		$C_{12}H_{13}NO_4S$	267.3	F	
204	32	171 a	Oxydemeton-methyl	S-[2-(Ethyl-sulfinyl)ethyl]-O,O-dimethylthiolphosphat		$C_6H_{15}O_4PS_2$	246.3	A	Demeton -S-methyl-sulfoxid
205	134	56	Paraquat	1,1′-Dimethyl-4,4′-bipyridylium		$C_{12}H_{14}N_2$	186.2	H	
206	87	10 b	Parathion	O,O-Diethyl-O-(4-nitrophenyl)thio-phosphat		$C_{10}H_{14}NO_5PS$	291.3	A I	
207	88	10 a	Parathionmethyl	O,O-Dimethyl-O-(4-nitrophenyl)thio-phosphat		$C_8H_{10}NO_5PS$	263.2	A I	
208	404	357	Pendimethalin	N-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidin		$C_{13}H_{19}N_3O_4$	281.3	H	Penoxalin
209	90	106		Pentachlorphenol		C_6HCl_5O	266.3	F	

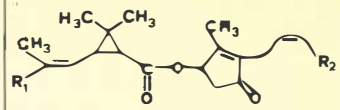
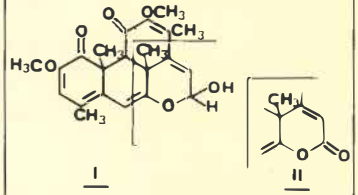
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
210	494	331	Permethrin	3-Phenoxybenzyl-(±)-cis-trans-3-(2,2-dichlorvinyl)2,2-dimethylcyclopropan-carboxylat		$C_{21}H_{20}Cl_2O_3$	391.3	I	
211	233	77	Phenmedipham	Methyl-3-(m-tolyl-carbamoyloxy)-phenylcarbamat		$C_{16}H_{16}N_2O_4$	300.3	H	
211a			Phosethyl	Ethylhydrogen-phosphonat		$C_2H_7O_3P$	110.0	F	Efosit
212	306	109	Phosalon	S-(6-Chlor-2-oxo-benzoxazolin-3-yl) methyl-O,O-diethyl-dithiophosphat		$C_{12}H_{15}ClNO_4PS_2$	367.8	A	
213	334	318	Phosmet	O,O-Dimethyl-S-phthalimidomethyl-dithiophosphat		$C_{11}H_{12}NO_4S_2P$	317.3	A I	

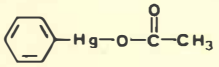
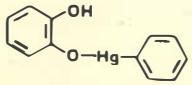
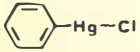
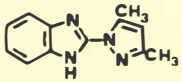
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
214	94	110	Phosphamidon	O-(2-Chlor-2-diethyl-carbamoyl-1-methyl-vinyl)-O,O-dimethyl-phosphat		$C_{10}H_{19}ClNO_5P$	299.7	A I	
215	307		Phoxim	O-α-Cyanobenzyliden-amino-O,O-diethyl-thiophosphat		$C_{12}H_{15}N_2O_3PS$	298.3	I	
216	308	174	Picloram	4-Amino-3,5,6-trichlorpicolinsäure		$C_6H_3Cl_3N_2O_2$	241.5	H	
217	95	196	Pindon	2-Pivaloylindan-1,3-dion		$C_{14}H_{14}O_3$	230.3	R	
218	163	33	Piperonylbutoxid	5-[2-(2-Butoxyeth-oxy)-ethoxymethyl]-6-propyl-1,3-benzodioxol		$C_{19}H_{30}O_5$	338.5	S	

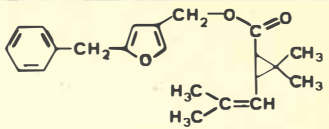
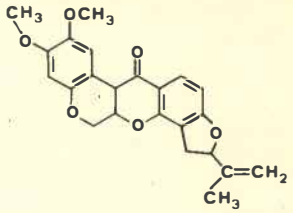
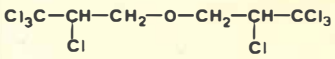
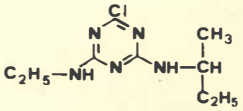
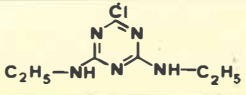
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
219	432		Piproctanyl	1-Allyl-1(3,7-dimethyloctyl)-piperidinium		$C_{18}H_{36}N$	266.4	W	
220	309	231	Pirimicarb	2-Dimethylamino-5,6-dimethyl-pyrimidin-4-yl-dimethylcarbamat		$C_{11}H_{18}N_4O_2$	238.3	I	
221	476	239 a	Pirimiphosmethyl	O-(2-Diethylamino-6-methylpyrimidin-4-yl)-O,O-dimethyl-thiophosphat		$C_{11}H_{20}N_3O_3PS$	305.0	A I	
222	491		Procymidon	N-(3,5-Dichlorphenyl)-1,2-dimethyl-1,2-cyclopropandicarboximid		$C_{13}H_{11}Cl_2NO_2$	284.1	F	
223	190		Promecarb	3-Isopropyl-5-methylphenyl-methylcarbamat		$C_{12}H_{17}NO_2$	207.3	I	

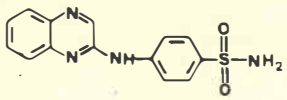
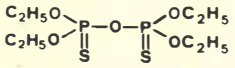
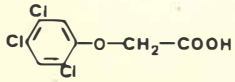
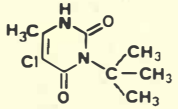
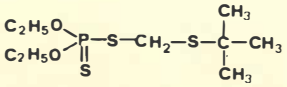
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew	Wirkungs-bereich	weitere Namen
224	310	176	Propachlor	2'-Chlor-N-iso-propylacetanilid		$C_{11}H_{14}ClNO$	211.7	H	
224a	516		Propamocarb	Propyl-3-(dimethyl-amino)-propylcarbamat		$C_9H_{21}ClN_2O_2$	224.7	F	
225	97	92	Propazin	6-Chlor-2,4-bis-iso-propylamino-1,3,5-triazin		$C_9H_{10}ClN_5$	229.7	H	
226	66	63	Propham	Isopropyl-N-phenyl-carbamat		$C_{10}H_{13}NO_2$	179.2	H W	IPC
227	117	177	Propineb	Zink-propylen-bis-dithiocarbamat		$(C_5H_8N_2S_4Zn)_n$	$(289.8)_n$	F	

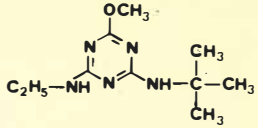
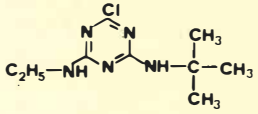
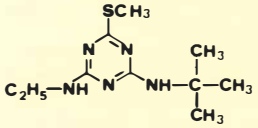
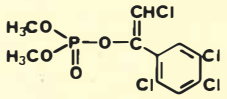
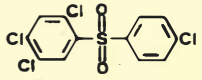
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
228	216	80	Propoxur	2-Isopropoxyphenyl-methylcarbamat		$C_{11}H_{15}NO_3$	209.2	I	
229	350	315	Propyzamid	3,5-Dichlor-N-(1,1-dimethylpropinyl)-benzamid		$C_{12}H_{11}Cl_2NO$	256.1	H	
230	396		Prothiocarb	S-Ethyl-N-(3-dimethylaminopropyl)-thiocarbamat		$C_8H_{18}N_2OS$	190.3	F	
231	132		Pyranocumarin	2′-Methoxy-2′-methyl-4′-phenyl-2,3-dihydro-4H,5H-pyrano-[3,2-c]-[1]-benzopyran-5-on		$C_{20}H_{18}O_4$	322.4	R	
232	328	350	Pyrazophos	O,O-Diethyl-O-(6-ethoxy-carbonyl-5-methyl-pyrazolo-[1,5a]-pyrimidin-2-yl)-thiophosphat		$C_{14}H_{20}N_3O_5PS$	373.4	F	

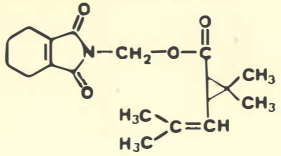
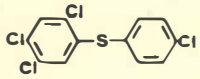
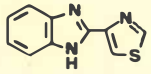
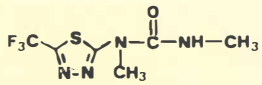
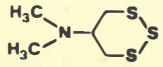
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
233	98	32	Pyrethrine	Gemisch aus Pyrethrin I und II Cinerin I und II Jasmolin I und II	 allgemeines Strukturschema R_1 R_2 Pyrethrin I : $-CH_3$ $-CH=CH_2$ Pyrethrin II : $-COOCH_3$ $-CH=CH_2$ Cinerin I : $-CH_3$ $-CH_3$ Cinerin II : $-COOCH_3$ $-CH_3$ Jasmolin I : $-CH_3$ $-C_2H_5$ Jasmolin II : $-COOCH_3$ $-C_2H_5$	 $C_{21}H_{28}O_3$ $C_{22}H_{28}O_5$ $C_{20}H_{28}O_3$ $C_{21}H_{28}O_5$ $C_{21}H_{30}O_3$ $C_{22}H_{30}O_5$	 328.4 372.4 316.4 360.4 330.5 374.5	I	
234	258		Quassin	Molekülverbindung 1:1 aus Neo-quassin (I) und Isoquassin (II) nach Polonsky	 I II	$C_{22}H_{30}O_6$ (I) $C_{22}H_{28}O_6$ (II)	780.9 778.9	I P	
235	173			2-Methoxyethyl-Hg-chlorid	$H_3C-O-CH_2-CH_2-Hg-Cl$	C_3H_7ClHgO	295.1	F	

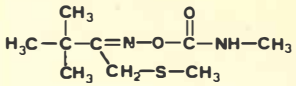
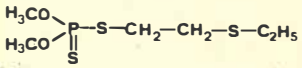
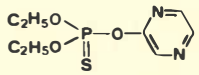
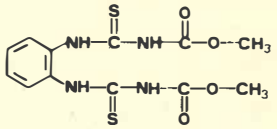
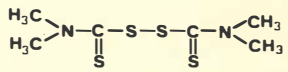
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
236	172			2-Methoxyethyl-Hg-silicat	$H_3C-O-CH_2-CH_2-Hg-silicat$	Genaue Formel nicht bekannt. Das technische Produkt enthält 30 % Hg		F	
237	180			Phenyl-Hg-acetat		$C_8H_8HgO_2$	336.8	F	
238	179			Phenyl-Hg-brenz-catechin		$C_{12}H_{10}O_2Hg$	386.2	F	
239	181			Phenyl-Hg-chlorid		C_6H_5ClHg	295.3	F	
240	99	78	Quintozen	Pentachlornitro-benzol		$C_6Cl_5NO_2$	295.4	F	
240a	606		Rabenzazol	2-(3,5-Dimethyl-1H-pyrazol-1-yl)-1H-benzimidazol		$C_{12}H_{12}N_4$	213.3	F	Dimeth-benzazol

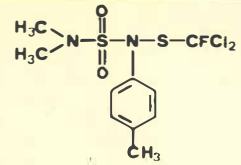
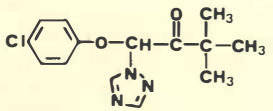
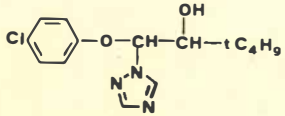
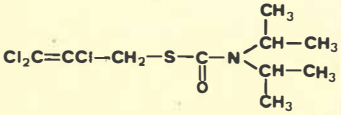
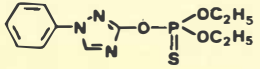
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
241	392	268	Resmethrin	5-Benzyl-3-furyl-methyl-(±)-cis, trans-chrysanthemat		$C_{22}H_{26}O_3$	338.0	I	
242	193	38	Rotenon	1,2,12,12a-Tetrahydro-2-isopropenyl-8,9-dimethoxy-(1)-benzopyrano-(3,4-b)-furo-(2,3-h)-(1)-benzopyran-6-on		$C_{23}H_{22}O_6$	394.4	I A	
243	313		S 421	Di-(2,3,3,3-tetrachlorpropyl)ether		$C_6H_6Cl_8O$	377.7	S	
244	184	18		Schwefel			256.5 (S_8)	F (A)	
245	252		Sebuthylazin	4-Ethylamino-2-sec. butylamino-6-chlor-1,3,5-triazin		$C_9H_{16}ClN_5$	229.7	H	
246	101	22	Simazin	6-Chlor-2,4-bis-ethylamino-1,3,5-triazin		$C_7H_{12}ClN_5$			

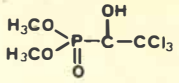
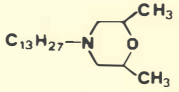
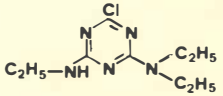
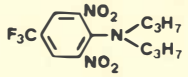
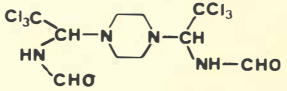
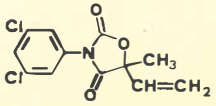
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
247	329	211	Sulfachinoxalin	N-(Chinoxalin-2-yl)-sulfanilamid		$C_{14}H_{12}N_4O_2S$	300.3	R	
248	104	198	Sulfotep	O,O,O,O-Tetraethyl-thiodiphosphat		$C_8H_{20}O_5P_2S_2$	322.3	A I	
249	105	6	2.4.5-T	2,4,5-Trichlor-phenoxyessigsäure		$C_8H_5Cl_3O_3$	255.5	H	
250	107	67	TCA	Trichloressigsäure		$C_2HCl_3O_2$	163.4	H	
251	417	272	Terbacil	3-tert.Butyl-5-chlor-6-methyluracil		$C_9H_{13}ClN_2O_2$	216.7	H	
252	459		Terbufos	S-tert.-Butylthio-methyl-O,O-diethyl-dithiophosphat		$C_9H_{21}O_2PS_3$	288.4	I	

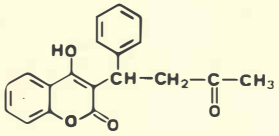
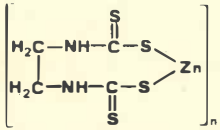
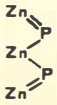
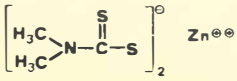
lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
253	293		Terbumeton	4-Ethylamino-2-tert.-butylamino-6-methoxy-1,3,5-triazin		$C_{10}H_{19}N_5O$	225.3	H	
254	316	234	Terbuthylazin	4-Ethylamino-2-tert.butylamino-6-chlor-1,3,5-triazin		$C_9H_{16}ClN_5$	229.7	H	
255	246	212	Terbutryn	4-Ethylamino-2-tert.-butylamino-6-methyl-thio-1,3,5-triazin		$C_{10}H_{19}N_5S$	241.4	H	
256	317	265	Tetrachlor-vinphos	O-[2-Chlor-1-(2,4,5-trichlorphenyl)-vinyl]-O,O-dimethyl-phosphat (trans-Isomeres)		$C_{10}H_9Cl_4O_4P$	366.0	I	
257	109	113	Tetradifon	4-Chlorphenyl-2,4,5-trichlorphenylsulfon		$C_{12}H_6Cl_4O_2S$	356.1	A	

lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
258	458		Tetramethrin	3,4,5,6-Tetra-hydrophthalimido-methylchrysanthemat		$C_{19}H_{25}NO_4$	331.4	I	
259	110	114	Tetrasul	4'-Chlorphenyl-2,4,5-trichlorphenylsulfid		$C_{12}H_6Cl_4S$	324.1	A	
260	129	181	Thallium-verbindungen					R	
261	256	323	Thiabendazol	2-(4-Thiazolyl)-benzimidazol		$C_{10}H_7N_3S$	201.3	F	
262	384		Thiazfluron	1,3-Dimethyl-1-(5-trifluor-methyl-1,3,4-thiadiazol-2-yl)-harnstoff		$C_6H_7F_3N_4O_3S$	240.2	H	
263	497		Thiocyclam	N,N-Dimethyl-1,2,3-trithian-5yl-amin		$C_5H_{10}NS_3$	180.3	I	

lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungs-bereich	weitere Namen
263	493	351	Thiofanox	2,2-Dimethyl-1-methylthiomethyl-propylidenamino-methylcarbamat		$C_9H_{18}N_2O_2S$	218.3	I	
264	319	115	Thiometon	S-[2-(Ethylthio)-ethyl]-O,O-dimethyl-dithiophosphat		$C_6H_{15}O_2PS_3$	246.4	I	
265	204	182	Thionazin	O,O-Diethyl-O-(pyrazin-2-yl)thio-phosphat		$C_8H_{13}N_2O_3PS$	248.2	N	
266	370	262	Thiophanat-methyl	1,2-Di-(3-methoxy-carbonyl-2-thio-ureido)benzol oder Dimethyl-4,4-O-phenylen-bis-(3-thioallophanat)		$C_{12}H_{14}N_4O_4S_2$	342.4	F	
267	119	24	Thiram	Tetramethylthiuram-disulfid		$C_6H_{12}N_2S_4$	240.4	F P	TMTD

lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
268	371	275	Tolylfluanid	N-Dichlorfluormethylthio-N′,N′-dimethyl-N-p-tolyl-sulfamid		$C_{10}H_{13}Cl_2FN_2O_2S_2$	347.3	F	
269	425	352	Triadimefon	1-(4-Chlorphenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)butan-2-on		$C_{14}H_{16}ClN_3O_2$	293.8	F	
269a	605		Triadimenol	1-(4-Chlorphenoxy)-3,3-dimethyl-1-(1,2,4-triazol-1-yl)-butan-2-ol		$C_{14}H_{18}ClN_3O_2$	285.8	F	
270	135	97	Tri-allat	S-2,3,3-Trichlorallyl-N,N-diisopropylthiocarbamat		$C_{10}H_{16}Cl_3NOS$	304.7	H	
271	401		Triazophos	O,O-Diethyl-O-(1-phenyl-1,2,4-triazol-3-yl)-thiophosphat		$C_{12}H_{16}N_3O_3PS$	313.3	A I N	

lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
272	112	68	Trichlorfon	O,O-Dimethyl-2,2,2-trichlor-1-hydroxyethylphosphonat		$C_4H_8Cl_3O_4P$	257.4	I	
273	320	324	Tridemorph	2,6-Dimethyl-4-tridecyl-morpholin		$C_{19}H_{39}NO$	297.5	F	
274	386		Trietazin	4-Ethylamino-6-chlor-2-diethylamino-1,3,5-triazin		$C_9H_{15}ClN_5$	228.7	H	
275	321	183	Trifluralin	2,6-Dinitro-N,N-dipropyl-4-trifluormethylanilin		$C_{13}H_{16}F_3N_3O_4$	335.3	H	
276	338		Triforin	1,4-Di-(2,2,2-trichlor-1-formamidoethyl)-piperazin		$C_{10}H_{14}Cl_6N_4O_2$	434.9	A F	
277	412	280	Vinclozolin	3-(3,5-Dichlorphenyl)-5-methyl-5-vinyl-1,3-oxazolidin-2,4-dion		$C_{12}H_9Cl_2NO_3$	286.1	F	

lfd. Nr.	BBA Nr.	CIPAC Nr.	Name	Chemische Bezeichnung	Strukturformel	Summenformel	Mol.-gew.	Wirkungsbereich	weitere Namen
278	374		Vondozeb	Maneb-Zineb-Mischfällung mit 14,5 % Mn und 2,1 % Zn				F	Triziman D
279	114	70	Warfarin	4-Hydroxy-3-(3-oxo-1-phenylbutyl) cumarin		$C_{19}H_{16}O_4$	308.2	R	
280	116	25	Zineb	Zink-ethylen-1,2-bis-dithiocarbamat		$C_4H_6N_2S_4Zn$	275.7	F	
281	3	69		Zinkphosphid		Zn_3P_2	258.1	R	
282	118	31	Ziram	Zink-dimethyldithiocarbamat		$C_6H_{12}N_2S_4Zn$	305.8	F	