

**Chemicals Evaluated for Carcinogenic Potential
Office of Pesticide Programs
U.S. Environmental Protection Agency**

Annual Cancer Report 2016

BACKGROUND

What is this list?

The following list provides an overview of pesticide chemicals evaluated for carcinogenic potential by EPA's Pesticide Program through September 2015. The evaluation of many of these chemicals is an ongoing process. Therefore, the information in this list may be subject to change as new and/or additional data are submitted to EPA. This list will be updated annually.

How should the information provided in this list be used?

Although this list is available to the public, note that the list represents only the potential carcinogenicity hazard for the chemical with no consideration of exposure information. This list is not intended to be used independent of the full risk assessment for the chemical. When EPA completes a risk assessment on a pesticide, a variety of toxicity information, including potential for noncancer effects (e.g., neurotoxicity, developmental and reproductive toxicity, immunotoxicity, etc) and carcinogenicity, are considered in determining whether to register a pesticide and what requirements for use of the pesticide need to be in place to protect human health. The simple fact of being listed here does not imply that the pesticide poses a significant cancer hazard to the public from use

What does the report date mean?

The date included in the list for each chemical is the date of the most recent review of potential carcinogenicity hazard for that chemical. This date provides a key as to which set of cancer guidelines were used in the review. Note that the classification of potential carcinogenicity generally is not reevaluated unless new data are submitted.

How does EPA review pesticides for potential carcinogenicity?

In evaluating and describing the potential carcinogenicity of a pesticide, EPA's Pesticide Program follows the Agency's Guidelines for Carcinogen Risk Assessment (see <https://www.epa.gov/risk/guidelines-carcinogen-risk-assessment> for more information). The Health Effects Division of the Pesticide Program performs an independent review of all the available evidence to determine the carcinogenic potential of pesticides.

The results of the independent review are peer-reviewed by the Cancer Assessment Review Committee. This committee recommends a "descriptor" (e.g., likely to be carcinogenic to humans, not likely to be carcinogenic to humans, suggestive evidence of carcinogenic potential) to convey the cancer hazard potential of the compound. This descriptor is also referred to as the cancer classification. The evidence for the human cancer potential and the extent to which a person might be exposed (how much time and to what quantity of the pesticide) will determine how the Agency regulates the pesticide. In some cases, EPA may request a review by the FIFRA Scientific Advisory Panel.

What does EPA consider in its review of cancer risk?

In determining the cancer-causing potential of a chemical, EPA considers the full range of available evidence. This information includes

- laboratory animal findings,
- metabolism studies,
- structural relationships with other carcinogens, and
- if available, mode of carcinogenic action information and epidemiologic findings in humans.

All of the information is considered in a weight-of-the-evidence approach. In this weight-of-evidence evaluation, EPA undertakes a critical analysis of each available study to determine its quality and reliability. Then the entire body of evidence is integrated and examined for consistency (repeatability of findings in studies), cohesiveness (a logical pattern of responses), and for biological plausibility (i.e., are the observed findings consistent with current understanding of carcinogenic processes). How the Agency determines the cancer potential of a compound can be found at: <https://www.epa.gov/risk/guidelines-carcinogen-risk-assessment>.

Most of the cancer determinations for pesticides are largely based on laboratory animal studies because, under its statutory authority, EPA requires registrants to submit an extensive range of laboratory studies on pesticides including long-term rodent cancer studies. The findings in laboratory animals are generally assumed to be relevant to humans unless there is evidence to the contrary. When human information is available, EPA would consider that information <https://www.epa.gov/risk/human-health-risk-assessment>.

When does EPA review pesticides for potential carcinogenicity?

EPA reviews studies submitted when a pesticide is proposed for registration. Studies are required in two species (mice and rats) and two sexes (males and females), as well as a battery of mutagenicity assays. These studies are required for all pesticides used on food and some non-food pesticides that could lead to long-term exposures in humans. In future reviews of the pesticide, the cancer classification may be reevaluated if new studies have been submitted.

All existing pesticide tolerances that were in place as of August 1996 were re-assessed for their human health and environmental risks by August 2006 as required by the Food Quality Protection Act of 1996. However, if there was no new information on carcinogenicity, the compound was not re-evaluated simply to determine how it would be described under the 2005 cancer guidelines.

How have the Agency's cancer assessment guidelines changed?

There have been a number of different documents issued by the Agency for cancer evaluation.

- In 1976, EPA issued its first set of principles and interim procedures to guide evaluation of human cancer potential.

- In 1986, EPA issued guidance, which included a letter system (A-E) for designating degree of carcinogenic potential.
 - In the 1986 guidelines, hazard identification and the weight-of evidence process focused on tumor findings.
 - See <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=54933> for a detailed description of this classification system.
- In 1996, EPA released “Proposed Guidelines for Carcinogen Risk Assessment,” which used a weight of evidence narrative and standardized descriptors to replace the 1986 alphanumeric classification to classify carcinogenic potential.
 - In the 1996 proposal, emphasis was placed on available mode of carcinogenic action information and discussing characterization of hazard, dose-response, and exposure assessments.
 - The hazard and weight of evidence process embraced an analysis of all relevant biological information and emphasized understanding the agent's mode of action in producing tumors to reduce the uncertainty in describing the likelihood of harm.
 - See 1996 - <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=55868>.
- In 1999, EPA issued a revised version of its 1996 proposal that responded to public and peer review comments, which included:
 - a framework approach to evaluate the mode of action in the assessment of potential carcinogenesis.
 - See- <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=54932>.
- In March, 2005, EPA released its final *Guidelines for Carcinogen Risk Assessment* (EPA/630/P-03/001B). These guidelines represent the culmination of a long development process, replacing EPA's original cancer risk assessment guidelines (1986) and its interim final guidelines (1999). Key changes included:
 - Five weight of evidence descriptors chosen for use in narratives (“*Carcinogenic to Humans*,” “*Likely to Be Carcinogenic to Humans*,” “*Suggestive Evidence of Carcinogenic Potential*,” “*Inadequate Information to Assess Carcinogenic Potential*,” and “*Not Likely to Be Carcinogenic to Humans*.”)
 - Emphasis on analysis of data will precede use of defaults
 - Improved guidance on modeling and expanded discussions of sensitive subpopulations including children (supplemental guidance)
 - See <https://www.epa.gov/risk/guidelines-carcinogen-risk-assessment>.

Why are there several different cancer classifications in the list?

As discussed above, EPA’s guidelines for evaluating the potential carcinogenicity of chemicals have been updated over the years to reflect increase transparency in describing the cancer potential of a compound and to reflect the understanding of ways chemicals may cause cancer.

Not all pesticides have been evaluated under EPA’s 2005 Cancer Guidelines. Agency policy states that for risk assessments that were completed before issuance of the 2005 Guidelines, the need for a re-assessment should be determined on a case-by-case basis by the program and that the existing assessment should continue to be considered scientifically sound based on the guidance used when the assessment was completed (<https://www.epa.gov/risk/guidelines-carcinogen-risk-assessment>.)

How can I find the basis of EPA’s decision regarding the carcinogenicity of a pesticide?

The Reregistration Eligibility Decision for each pesticide contains a discussion of the available data and information used in the human health and environmental risk assessments, which

includes a description of the evidence used to determine the cancer potential of the chemical. Also, the Cancer Assessment Review Committee report is available by requesting it through the Freedom of Information Act (FOIA) (<https://www.epa.gov/foia>).

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CHEMICAL	CAS NO.*	PC CODE**	CANCER CLASSIFICATION***	REPORT DATE****
1,3-Dibromo-5,5-dimethylhydantoin	77-48-5	006317	Not Likely to Be Carcinogenic to Humans	8/28/2000
1,3-dichloro-5-methylhydantoin	89415-87-2	128826	Not Likely to Be Carcinogenic to Humans	8/28/2000
2, 4 - DBA	94-82-6	030801	Not Likely to Be Carcinogenic to Humans	6/13/2003
2,4-D + Salts & Esters	94-75-7	030001	Group D--Not Classifiable as to Human Carcinogenicity	1/29/1997
2,4-D Choline	1048373-72-3	051505	Group D--Not Classifiable as to Human Carcinogenicity	10/27/2011
2-Benzyl-4-chlorophenol	120-32-1	062201	Group C--Possible Human Carcinogen	9/5/1995
4-aminopyridine	504-24-5	069201	Group D--Not Classifiable as to Human Carcinogenicity	8/6/2007
Acephate	30560-19-1	103301	Group C--Possible Human Carcinogen	5/8/1985
Acequinocyl	57960-19-7	006329	Not Likely to Be Carcinogenic to Humans	11/13/2003
Acetamide	63114-77-2	111101	Group C--Possible Human Carcinogen	5/29/1990
Acetamiprid	135410-20-7	099050	Not Likely to Be Carcinogenic to Humans	12/11/2001
Acetochlor	34256-82-1	121601	Suggestive Evidence of Carcinogenic Potential	1/3/2007
Acibenzolar-S-methyl	135158-54-2	061402	Not Likely to Be Carcinogenic to Humans	12/9/1999

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CHEMICAL	CAS NO.*	PC CODE**	CANCER CLASSIFICATION***	REPORT DATE****
Acifluorfen sodium	62476-59-9	114402	Likely to Be Carcinogenic to Humans at High Doses Not Likely to be Carcinogenic to Humans at Low Doses	7/9/2003
Acrinathrin	101007-06-1	129141	Group D--Not Classifiable as to Human Carcinogenicity	7/15/1996
ADBAC	68424-85-1	069105	Not Likely to Be Carcinogenic to Humans	12/8/1999
Alachlor	15972-60-8	090501	Likely to Be Carcinogenic to Humans (High Doses); Not Likely to be Carcinogenic to Humans (Low Doses)	6/27/1997
Aldicarb	116-06-3	098301	Group E--Evidence of Non-Carcinogenicity for Humans	7/17/2002
Alpha-Cypermethrin	67375-30-8	209600	Group C--Possible Human Carcinogen	9/11/2012
Ametryn	834-12-8	080801	Data Are Inadequate for an Assessment of Human Carcinogenic Potential	9/17/2004
Amicarbazone	129909-90-6	114004	Not Likely to Be Carcinogenic to Humans	8/10/2005
Aminocyclopyrachlor	858956-08-8, 858956-35-1, 858954-83-3, 124423-84-3, 1759-53-1	288008	Not Likely to Be Carcinogenic to Humans	11/9/2011
Aminopyralid	150114-71-9	005100	Not Likely to Be Carcinogenic to Humans	7/12/2005
Amisulbrom	348635-87-0	016330	Suggestive Evidence of Carcinogenic Potential	12/2/2010
Amitraz	33089-61-1	106201	Suggestive Evidence of Carcinogenic Potential	7/18/2006
Amitrole	61-82-5	004401	Not Likely to Be Carcinogenic to Humans at doses that do not alter rat thyroid hormone homeostasis	5/11/2006
Anthraquinone	84-65-1	122701	Likely to Be Carcinogenic to Humans	10/31/2012

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CHEMICAL	CAS NO.*	PC CODE**	CANCER CLASSIFICATION***	REPORT DATE****
Aquashade	2650-18-2	110301	Not Likely to Be Carcinogenic to Humans	9/27/2005
Asulam	3337-71-1	106901	Group C--Possible Human Carcinogen	12/6/2001
Atrazine	1912-24-9	080803	Not Likely to Be Carcinogenic to Humans	12/13/2000
Avermectin (see Emamectin Benzoate)	65195-55-3	122804	Group E--Evidence of Non-carcinogenicity for humans	6/27/1996
Azafenidin	68049-83-2	119016	Data Are Inadequate for an Assessment of Human Carcinogenic Potential	10/18/1999
Azinphos-methyl	86-50-0	058001	Not Likely to Be Carcinogenic to Humans	4/20/1998
Azoxystrobin	131860-33-8	128810	Not Likely to Be Carcinogenic to Humans	1/14/1997
Bendiocarb	22781-23-3	105201	Group E--Evidence of Non-Carcinogenicity for Humans	12/16/1997
Benfluralin	1861-40-1	084301	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	12/27/2001
Benomyl	17804-35-2	099101	Group C--Possible Human Carcinogen	9/21/2000
Bensulide	741-58-2	009801	Not Likely to Be Carcinogenic to Humans	6/10/1999
Bentazon	25057-89-0	275200	Group E--Evidence of Non-Carcinogenicity for Humans	1/14/1992
Benthiavalicarb-isopropyl	177406-68-7	098379	Likely to Be Carcinogenic to Humans	10/18/2005
Benzyl Benzoate	120-51-4	009501	Not Likely to Be Carcinogenic to Humans	6/28/2007
Beta Cyfluthrin	68359-37-5	118831	Not Likely to Be Carcinogenic to Humans	1/27/2010
Bicyclopyrone	365400-11-9	018986	Suggestive Evidence of Carcinogenic Potential	9/10/2014
Bifenazate	149877-41-8	000586	Not Likely to Be Carcinogenic to Humans	8/28/2001
Bifenthrin	82657-04-3	128825	Group C--Possible Human Carcinogen	2/19/2003

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Bioallethrin	584-79-2	004003	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	12/2/2003
Bispyrabac Sodium	125401-92-5	078906	Not Likely to Be Carcinogenic to Humans	8/2/2001
Bitertanol	55179-31-2	117801	Not Likely to Be Carcinogenic to Humans	11/30/2005
Borax	1303-96-4	011102	Group E--Evidence of Non-Carcinogenicity for Humans	11/24/1993
Boric acid	10043-35-3	011001	Group E--Evidence of Non-Carcinogenicity for Humans	11/24/1993
Boron	7440-42-8	128945	Group E--Evidence of Non-Carcinogenicity for Humans	11/24/1993
Boscalid	188425-85-6	128008	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	11/14/2002
Bromacil	314-40-9	012301	Group C--Possible Human Carcinogen	1/13/1993
Bromoxynil	1689-84-5	035301	Group C--Possible Human Carcinogen	3/12/1997
Bromuconazole	116255-48-2	120503	Group E--Evidence of Non-Carcinogenicity for Humans	4/24/1995
Bronopol	52-51-7	216400	Group E--Evidence of Non-Carcinogenicity for Humans	6/12/1995
Buprofezin	69327-76-0	275100	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	3/15/2000
Butachlor	23184-66-9	112301	Likely to Be Carcinogenic to Humans	2/24/1999
Butafenacil	134605-64-4	122004	Not Likely to be Carcinogenic to Humans	7/11/2003
Butylate	2008-41-5	041405	Group E--Evidence of Non-Carcinogenicity for Humans	11/25/1992
Cacodylic acid	75-60-5	012501	Group B--Probable Human Carcinogen	12/14/1999

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Cadusafos	95465-99-9	128864	Group E--Evidence of Non-Carcinogenicity for Humans	5/28/1992
Captafol	2939-80-2	081701	Group B--Probable Human Carcinogen	5/19/1987
Captan	133-06-2	081301	Likely at prolonged, high-level exposures, but not likely at dose levels that do not cause cytotoxicity and regenerative cell hyperplasia	9/22/2004
Carbaryl	63-25-2	056801	Likely to be Carcinogenic to Humans	2/12/2002
Carbendazim (MBC)	10605-21-7	128872	Group C--Possible Human Carcinogen	4/7/1989
Carbofuran	1563-66-2	090601	Not Likely to Be Carcinogenic to Humans	6/17/1997
Carboxin	5234-68-4	090201	Not Likely to Be Carcinogenic to Humans	6/5/2003
Carfentrazone-ethyl	128639-02-1	128712	Not Likely to Be Carcinogenic to Humans	5/16/2001
Chlorantraniliprole	500008-45-7	090100	Not Likely to Be Carcinogenic to Humans	3/4/2009
Chlordimeform	6164-98-3	059701	Group B--Probable Human Carcinogen	12/20/1985
Chlorethoxyfos	54593-83-8	129006	Group D--Not Classifiable as to Human Carcinogenicity	3/9/1995
Chlorfenapyr	122453-73-0	129093	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	3/18/2003
Chlorflurenol Methyl Ester	2536-31-4	098801	Not Likely to Be Carcinogenic to Humans	7/10/2006
Chlorimuron-ethyl	90982-32-4	128901	Not Likely to Be Carcinogenic to Humans	2/5/2009
Chlormequat chloride	999-81-5	018101	Not Likely to Be Carcinogenic to Humans	6/12/2007
Chloroaniline, p-	106-47-8	017203	Group B--Probable Human Carcinogen	4/27/1995

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CHEMICAL	CAS NO.*	PC CODE**	CANCER CLASSIFICATION***	REPORT DATE****
Chloroneb	2675-77-6	027301	Data Are Inadequate for an Assessment of Human Carcinogenic Potential	12/18/2003
Chloropicrin	76-06-2	081501	Not Likely to Be Carcinogenic to Humans	6/30/2010
Chlorothalonil	1897-45-6	081901	Likely to Be Carcinogenic to Humans	10/20/1997
Chlorpropham	101-21-3	018301	Group E--Evidence of Non-Carcinogenicity for humans	10/11/1994
Chlorpyrifos	2921-88-2	059101	Group E--Evidence of Non-Carcinogenicity for humans	11/23/1993
Chlorpyrifos methyl	5598-13-0	059102	Not Likely to Be Carcinogenic to Humans	5/17/1999
Chlorsulfuron	64902-72-3	118601	Group E--Evidence of Non-Carcinogenicity for humans	7/17/2002
Chlorthal-dimethyl (DCPA)	1861-32-1	078701	Group C--Possible Human Carcinogen	2/10/1995
Clethodim	99129-21-2	121011	Not Likely To Be Carcinogenic To Humans	9/28/2007
Clodinafop-propargyl	105512-06-9	125203	Suggestive Evidence of Carcinogenic Potential	2/8/2006
Clofencet (MON 21200)	82697-71-0	128726	Group C--Possible Human Carcinogen	7/23/1996
Clofentezine	74115-24-5	125501	Group C--Possible Human Carcinogen	4/3/1990
Clomazone	81777-89-1	125401	Not Likely to Be Carcinogenic to Humans	1/31/2001
Clopyralid	1702-17-6	117403	Not Likely to Be Carcinogenic to Humans	12/20/1999
Cloquintocet-mexyl	99607-70-2	700099	Not Likely to Be Carcinogenic to Humans	8/31/1999
Cloransulam-methyl	147150-35-4	129116	Group E--Evidence of Non-Carcinogenicity for humans	9/30/1997
Clothianidin	210880-92-5	044309	Not Likely to Be Carcinogenic to Humans	1/6/2003

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CMNP (Pyrazachlor)	6814-58-0	207100	Likely to Be Carcinogenic to Humans	9/20/2011
Cocamide Diethanolamine	68603-42-9	224600	Likely to Be Carcinogenic to Humans	10/17/2001
Copper Compounds	20427-59-2	023401	Group D--Not Classifiable as to Human Carcinogenicity	6/13/2006
Coumaphos	56-72-4	036501	Not Likely to Be Carcinogenic to Humans	6/25/1999
Cresol, p-Chloro-m-	59-50-7	064206	Group D--Not Classifiable as to Human Carcinogenicity	11/28/1995
Cryolite	15096-52-3	075101	Group D--Not Classifiable as to Human Carcinogenicity	12/22/1995
Cumyluron	99485-76-4	027902	Suggestive Evidence of Carcinogenic Potential	6/11/2008
Cyanazine	21725-46-2	100101	Group C--Possible Human Carcinogen	7/30/1991
Cyantraniliprole	736994-63-1	090098	Not Likely to Be Carcinogenic to Humans	3/7/2013
Cyazofamid	120116-88-3	085651	Not Likely to Be Carcinogenic to Humans	6/3/2009
Cyclanilide	113136-77-9	026201	Not Likely to Be Carcinogenic to Humans	4/9/1997
Cycloate	1134-23-2	041301	Not Likely to Be Carcinogenic to Humans	9/25/2003
Cyflufenamid	180409-60-3	555550	Suggestive Evidence of Carcinogenic Potential	12/2/2014
Cyflumetofen	400882-07-7	138831	Suggestive Evidence Of Carcinogenic Potential	12/30/2013
Cyfluthrin	68359-37-5	128831	Not Likely to Be Carcinogenic to Humans	5/21/2002
Cyhalofop-butyl	122008-85-9	082583	Not Likely to Be Carcinogenic to Humans	12/20/2007

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Cyhalothrin	68085-85-8	128867	Group D--Not Classifiable as to Human Carcinogenicity	8/25/1993
Cyhexatin	13121-70-5	101601	Data Are Inadequate for an Assessment of Human Carcinogenic Potential	4/7/2005
Cymoxanil	57966-95-7	129106	Not Likely to Be Carcinogenic to Humans	1/2/2003
Cypermethrin	52315-07-8	109702	Group C--Possible Human Carcinogen	9/27/1988
Cyproconazole	94361-06-5	128993	Not Likely to Be Carcinogenic to Humans at doses that do not cause a mitogenic response in the liver	12/4/2007
Cyprodinil	121552-61-2	288202	Not Likely to Be Carcinogenic to Humans	1/14/1998
Cyprosulfamide	221667-31-8	877400	Not Likely to Be Carcinogenic to Humans	2/29/2008
Cyromazine	66215-27-8	121301	Group E--Evidence of Non-Carcinogenicity for Humans	1/6/1995
Daminozide	1596-84-5	035101	Group B--Probable Human Carcinogen	7/26/1991
Dantochlor (BCDMH)	118-52-5	028501	Not Likely to Be Carcinogenic to Humans	8/14/2000
Dazomet	533-74-4	035602	Group D--Not Classifiable as to Human Carcinogenicity	12/7/1993
DEET	134-62-3	080301	Group D--Not Classifiable as to Human Carcinogenicity	1/4/1996
Deltamethrin	52918-63-5	097805	Not Likely to Be Carcinogenic to Humans	9/9/2003
Desmedipham	13684-56-5	104801	Group E--Evidence of Non-Carcinogenicity for Humans	11/20/1995
Diazinon	333-41-5	057801	Not Likely to Be Carcinogenic to Humans	6/17/1997
Dicamba	1918-00-9	029801	Group D--Not Classifiable as to Human Carcinogenicity	7/29/1996

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Dichlobenil	1194-65-6	027401	Group C--Possible Human Carcinogen	7/18/1995
Dichlormid	37764-25-3	900497	Not Likely to Be Carcinogenic to Humans	11/15/2005
Dichlorobenzamide, 2,6-	2008-58-4	027402	Group D--Not Classifiable as to Human Carcinogenicity	11/28/1995
Dichlorvos	62-73-7	084001	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	3/1/2000
Diclofop-methyl	51338-27-3	110902	Likely to Be Carcinogenic to Humans	5/24/2000
Dicloran	99-30-9	031301	Suggestive Evidence of Carcinogenic Potential	9/5/2006
Diclosulam	145701-21-9	129122	Not Likely to Be Carcinogenic to Humans	11/9/1999
Dicofol	115-32-2	010501	Group C--Possible Human Carcinogen	6/24/1992
Dicrotophos	141-66-2	035201	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	10/18/1999
Didecyl dimethyl ammonium chloride (DDAC)	7173-51-5	069149	Group E--Evidence of Non-Carcinogenicity for Humans	4/11/2000
Difenoconazole	119446-68-3	128847	Group C--Possible Human Carcinogen	7/27/1994
Difenzoquat methyl sulfate	43222-48-6	106401	Group E--Evidence of Non-Carcinogenicity for Humans	5/24/1994
Diflubenzuron	35367-38-5	108201	Group E--Evidence of Non-Carcinogenicity for Humans	4/27/1995
Diflufenzopyr Sodium	109293-98-3	005107	Not Likely to Be Carcinogenic to Humans	10/6/1998
Dimethenamid	87674-68-8	129051	Group C--Possible Human Carcinogen	9/15/1995
Dimethipin	55290-64-7	118901	Group C--Possible Human Carcinogen	1/5/1990
Dimethoate	60-51-5	035001	Group C--Possible Human Carcinogen	3/26/2002

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Dimethomorph	110488-70-5	268800	Not Likely to Be Carcinogenic to Humans	5/13/1998
Dimethoxane	828-00-2	001001	Suggestive Evidence of Carcinogenic Potential	12/21/2000
Dimethyl ether	115-10-6	900382	Group D--Not Classifiable as to Human Carcinogenicity	1/12/1994
Dimethylhydantoin	16079-88-2	006315	Not Likely to Be Carcinogenic to Humans	8/28/2000
Dinocap	39300-45-3	036001	Group E--Evidence of Non-Carcinogenicity for Humans	6/22/1994
Dinoseb	88-85-7	037505	Group C--Possible Human Carcinogen	6/19/1986
Dinotefuran	165252-70-0	044312	Not Likely to Be Carcinogenic to Humans	3/5/2004
Diphenylamine	122-39-4	038501	Not Likely to Be Carcinogenic to Humans	4/1/1997
Diquat dibromide	85-00-7	032201	Group E--Evidence of Non-Carcinogenicity for Humans	5/12/1994
Disodium methanearsonate	144-21-8	013802	Not Likely to Be Carcinogenic to Humans	7/26/2000
Disulfoton	298-04-4	032501	Group E--Evidence of Non-Carcinogenicity for Humans	4/21/1997
Dithianon	3347-22-6	099201	Suggestive Evidence of Carcinogenic Potential	2/23/2006
Dithiopyr (MON 7200)	97886-45-8	128994	Group E--Evidence of Non-Carcinogenicity for Humans	5/29/1997
Diuron	330-54-1	035505	Known/Likely	5/8/1997
Dodine	2439-10-3	044301	Not Likely to Be Carcinogenic to Humans	1/24/2008
Ecolyst		069089	Not Likely to Be Carcinogenic to Humans	10/19/1999
Emamectin Benzoate (Deoxy Avermectin)	137512-74-4	122806	Not Likely to Be Carcinogenic to Humans	3/19/1998
Endosulfan	115-29-7	079401	Not Likely to Be Carcinogenic to Humans	1/31/2000
Endothall	145-73-3	038901	Not Likely to Be Carcinogenic to Humans	10/23/2008

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CHEMICAL	CAS NO.*	PC CODE**	CANCER CLASSIFICATION***	REPORT DATE****
Epoxiconazole	106325-08-0, 133855-98-8	123909	Likely to Be Carcinogenic to Humans	1/24/2001
Esbiothrin	28434-00-6	004007	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	12/2/2003
Esfenvalerate	66230-04-4	109303	Group E--Evidence of Non-Carcinogenicity for Humans	7/1/1996
Ethaboxam	162650-77-3	090205	Suggestive Evidence of Carcinogenic Potential	3/23/2006
Ethalfuralin	55283-68-6	113101	Group C--Possible Human Carcinogen	9/14/1994
Ethephon	16672-87-0	099801	Group D--Not Classifiable as to Human Carcinogenicity	8/15/1994
Ethion	563-12-2	058401	Group E--Evidence of Non-Carcinogenicity for humans	1/26/1994
Ethiprole	181587-01-9	005550	Suggestive Evidence of Carcinogenic Potential	10/28/2010
Ethofumesate	26225-79-6	110601	Group D--Not Classifiable as to Human Carcinogenicity	2/24/1994
Ethoprop	13194-48-4	041101	Likely to be Carcinogenic to Humans	10/7/1998
Ethyl dipropylthiocarbamate (EPTC)	759-94-4	041401	Not Likely to Be Carcinogenic to Humans	8/31/1999
Ethylene thiourea (ETU)	96-45-7	600016	Group B--Probable Human Carcinogen	7/7/1999
Etofenprox	80844-07-1	128965	Not Likely to Be Carcinogenic to Humans at doses that do not alter rat thyroid hormone homeostasis.	2/8/2006
Etoxazole	153233-91-1	107091	Not Likely to Be Carcinogenic to Humans	8/7/2003
Famoxadone	131807-57-3	113202	Not Likely to Be Carcinogenic to Humans	4/16/2003
Fenamidone	161326-34-7	046679	Not Likely to Be Carcinogenic to Humans	7/12/2002

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Fenamiphos	22224-92-6	100601	Group E--Evidence of Non-Carcinogenicity for Humans	11/23/1993
Fenarimol	60168-88-9	206600	Not Likely to Be Carcinogenic to Humans	9/5/2001
Fenazaquin	120928-09-8	044501	Not Likely to Be Carcinogenic to Humans	5/15/2007
Fenbuconazole	114369-43-6	129011	Group C--Possible Human Carcinogen	4/15/1996
Fenbutatin-oxide	13356-08-6	104601	Group E--Evidence of Non-carcinogenicity for Humans	3/2/1993
Fenhexamide	126833-17-8	090209	Not Likely to Be Carcinogenic to Humans	3/4/1999
Fenitrothion	122-14-5	105901	Group E--Evidence of Non-Carcinogenicity for Humans	7/13/1993
Fenoxaprop-ethyl	9015-56-9	128701	Suggestive Evidence of Carcinogenic Potential Suggestive Evidence of Carcinogenic Potential	7/29/2013
Fenoxycarb	72490-01-8	125301	Likely to Be Carcinogenic to Humans	12/22/1997
Fenpropathrin	39515-41-8	127901	Not Likely to Be Carcinogenic to Humans	12/22/2003
Fenpropidin	67306-00-7	012305	Suggestive Evidence of Carcinogenic Potential	6/9/2009
Fenpropimorph	67564-91-4	121402	Not Likely To Be Carcinogenic To Humans	10/19/2005
Fenpyrazamine	473798-59-3	090109	Not Likely To Be Carcinogenic To Humans	10/31/2012
Fenpyroximate	134098-61-6	129131	Not Likely to Be Carcinogenic to Humans	2/19/1997
Fenthion	55-38-9	053301	Group E--Evidence of Non-Carcinogenicity for Humans	3/11/1996
Fenvalerate	51630-58-1	109301	Group E--Evidence of Non-Carcinogenicity for Humans	2/10/2003
Ferbam	14484-64-1	034801	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential; Based on Ziram studies.	4/6/2000

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Fipronil	120068-37-3	129121	Group C--Possible Human Carcinogen	7/18/1995
Flazasulfuron	104040-78-0	119011	Not Likely to Be Carcinogenic to Humans	11/16/2005
Flonicamid	158062-67-0	128016	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	2/24/2005
Florasulam	145701-23-1	129108	Not Likely To Be Carcinogenic To Humans	5/31/2007
Fluazifop-P-Butyl	79241-46-6	122809	Not Likely to Be Carcinogenic to Humans	9/19/2008
Fluazinam	79622-59-6	129098	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	3/29/2001
Flubendiamide	272451-65-7	027602	Not Likely to Be Carcinogenic to Humans	4/3/2008
Flucarbazone-sodium	181274-17-9	114009	Not Likely to Be Carcinogenic to Humans	7/19/2000
Fludioxonil	131341-86-1	071503	Group D--Not Classifiable as to Human Carcinogenicity	9/19/1996
Fluensulfone	318290-98-1	050410	Suggestive Evidence Of Carcinogenic Potential	5/7/2014
Flufenacet (Thiaflumide)	142459-58-3	121903	Not Likely to Be Carcinogenic to Humans	7/16/1997
Flufenoxuron	101463-69-8	108203	Not Likely to Be Carcinogenic to Humans	8/15/2006
Flufenpyr-ethyl	188489-07-8	108853	Not Likely to Be Carcinogenic to Humans	6/8/2003
Flumethrin	69770-45-2	036007	Not Likely to Be Carcinogenic to Humans	3/6/2012
Flumetralin	62924-70-3	123001	Not Likely to Be Carcinogenic to Humans	6/21/2007
Flumetsulam (XRD-498)	98967-40-9	129016	Group E--Evidence of Non-Carcinogenicity for Humans	3/24/1993
Flumiclorac pentyl	87546-18-7	128724	Group E--Evidence of Non-Carcinogenicity for Humans	9/7/1994

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CHEMICAL	CAS NO.*	PC CODE**	CANCER CLASSIFICATION***	REPORT DATE****
Flumioxazin	103361-09-7, 141490-50-8	129034	Not Likely to Be Carcinogenic to Humans	2/22/2001
Fluometuron	2164-17-2	035503	Group C--Possible Human Carcinogen	8/28/1996
Fluopicolide	239110-15-7	027412	Not Likely to Be Carcinogenic to Humans	12/12/2006
Fluopyram	658066-35-4	080302	Not Likely to Be Carcinogenic to Humans	5/8/2014
Fluoxastrobin	361377-29-9	028869	Not Likely to Be Carcinogenic to Humans	1/24/2005
Flupyradifurone	951659-40-8	122304	Not Likely to Be Carcinogenic to Humans	8/5/2014
Fluridone	59756-60-4	112900	Group E--Evidence of Non-Carcinogenicity for Humans	7/1/1985
Fluroxypyr	81406-37-3	128968	Not Likely to Be Carcinogenic to Humans	6/26/2003
Fluroxypyr acid (see also PC Code 128968)	69377-81-7	128959	Not Likely to Be Carcinogenic to Humans	6/26/2003
Flurprimidol	56425-91-3	125701	Not Likely to Be Carcinogenic to Humans	9/29/2005
Fluthiacet methyl	117337-19-6	108803	Likely to Be Carcinogenic to Humans	11/20/1998
Flutolanil	66332-96-5	128975	Group E--Evidence of Non-Carcinogenicity for Humans	6/9/1994
Flutriafol	76674-21-0	128940	Not Likely to Be Carcinogenic to Humans	6/1/2009
Fluxapyroxad	907204-31-3	138009	Not Likely to Be Carcinogenic to Humans: below a defined dose range	6/9/2011
Folpet	133-07-3	081601	Not likely to be carcinogenic to humans at doses that do not cause an irritation response in the mucosal epithelium	10/13/2010
Fomesafen	108731-70-0	123802	Not Likely to Be Carcinogenic to Humans	11/3/2005
Fonofos	944-22-9	041701	Group E--Evidence of Non-Carcinogenicity for Humans	11/10/1993

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Forchlorfenuron	68157-60-8	128819	Not Likely to Be Carcinogenic to Humans	3/11/2008
Formasulfuron	173159-57-4	122020	Not Likely to Be Carcinogenic to Humans	9/19/2001
Formetanate hydrochloride	23422-53-9	097301	Group E--Evidence of Non-Carcinogenicity for Humans	5/20/1996
Fosetyl-Al	39148-24-8	123301	Not Likely to Be Carcinogenic to Humans	4/22/1999
Fosthiazate	98886-44-3	129022	Not Likely to Be Carcinogenic to Humans	9/15/2003
Furfural	98-01-1	043301	Likely To Be Carcinogenic To Humans	2/6/2014
Furilazole (MON 13900)	121776-33-8	911596	Likely to Be Carcinogenic to Humans	10/15/1999
Furmecyclox	60568-05-0	122601	Group B--Probable Human Carcinogen	7/3/1985
Gamma Cyhalothrin	76703-62-3	128807	Not Likely to Be Carcinogenic to Humans	3/1/2004
Gentamicin Sulfate	1405-41-0	006325	Not Likely to Be Carcinogenic to Humans	3/21/2007
Glufosinate-ammonium	77182-82-2	128850	Not Likely to Be Carcinogenic to Humans	5/17/1999
Glutaraldehyde	111-30-8	043901	Not Likely to Be Carcinogenic to Humans	5/18/2006
Glyphosate	1071-83-6	417300	Not Likely to Be Carcinogenic to Humans	10/1/2015
Halauxifen-methyl	943831-98-9	117501	Not Likely to Be Carcinogenic to Humans	3/21/2016
Halosulfuron methyl (MON 1200)	100784-20-1	128721	Not Likely to Be Carcinogenic to Humans	2/26/1998
Haloxypop-methyl	69806-40-2	125201	Group B--Probable Human Carcinogen	9/18/1989
Hexaconazole	79983-71-4	128925	Group C--Possible Human Carcinogen	1/21/1999
Hexavalent Chromium (CrVI)	18540-29-9	021101; 068302	Likely to Be Carcinogenic to Humans	7/1/2009
Hexazinone	51235-04-2	107201	Group D--Not Classifiable as to Human Carcinogenicity	7/27/1994

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Hexythiazox	78587-05-0	128849	Likely to Be Carcinogenic to Humans	9/2/2009
HOE107892	135590-91-9	811800	Not Likely to Be Carcinogenic to Humans	11/24/1998
Hydramethylnon	67485-29-4	118401	Group C--Possible Human Carcinogen	3/28/1991
Hydrogen cyanamide	420-04-2	014002	Group C--Possible Human Carcinogen	9/15/1993
Hydroprene	41096-46-2	486300	Group D--Not Classifiable as to Human Carcinogenicity	6/8/1995
Hymexazol	10004-44-1	129107	Not Likely to Be Carcinogenic to Humans	12/3/2015
Imazalil	35554-44-0	111901	Likely to Be Carcinogenic to Humans	12/7/1999
Imazamethabenz	81405-85-8	128842	Group D--Not Classifiable as to Human Carcinogenicity	6/11/1987
Imazamox	114311-32-9	129171	Not Likely to Be Carcinogenic to Humans	2/27/1997
Imazapic	81334-60-3	129041	Group E--Evidence of Non-Carcinogenicity for Humans	9/27/1995
Imazapyr	81334-34-1	128821	Group E--Evidence of Non-Carcinogenicity for Humans	10/5/1995
Imazaquin Acid	81335-37-7	128848	Not Likely to Be Carcinogenic to Humans	10/31/2005
Imazethapyr	81335-77-5	128922	Not Likely to Be Carcinogenic to Humans	1/31/2002
Imazosulfuron	122548-33-8	118602	Not Likely to Be Carcinogenic to Humans	3/13/2009
Imidacloprid	105827-78-9	129099	Group E--Evidence of Non-Carcinogenicity for Humans	11/10/1993
Indaziflam	950782-86-2	080818	Not Likely To Be Carcinogenic To Humans	4/22/2010
Indoxacarb	173584-44-6	067710	Not Likely to Be Carcinogenic to Humans	7/17/2000

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Iodomethane	74-88-4	000011	Not Likely to Be Carcinogenic to Humans at doses that do not alter rat thyroid hormone homeostasis	11/10/2005
Iodosulfuran	144550-36-7	122021	Not Likely to Be Carcinogenic to Humans	1/5/2004
Ipoconazole	125225-28-7	125618	Not Likely to Be Carcinogenic to Humans	5/28/2008
Iprodione	36734-19-7	109801	Likely to Be Carcinogenic to Humans	2/26/1998
Iprovalicarb	140923-17-7	098359	Likely to Be Carcinogenic to Humans	4/11/2002
Isofenphos	25311-71-1	109401	Group E--Evidence of Non-Carcinogenicity for Humans	1/13/1998
Isofetamid	875915-78-9	270000	Not Likely to Be Carcinogenic to Humans	9/24/2014
Isophorone	78-59-1	047401	Group C--Possible Human Carcinogen	9/2/1999
Isopyrazam	881685-58-1	129222	Likely to Be Carcinogenic to Humans	2/2/2011
Isoxaben	82558-50-7	125851	Suggestive Evidence of Carcinogenic Potential	10/7/2008
Isoxadifen-ethyl	163520-33-0	823000	Not Likely to Be Carcinogenic to Humans	1/29/2001
Isoxaflutole	141112-29-0	123000	Likely to Be Carcinogenic to Humans	9/30/1997
Kasugamycin	6980-18-3	230001	Not Likely to Be Carcinogenic to Humans	8/17/2005
Kathon 886	55965-84-9	107106	Group D--Not Classifiable as to Human Carcinogenicity	5/18/1995
KBR 3023	119515-38-7	070705	Not Likely to Be Carcinogenic to Humans	6/9/1999
Kresoxim-methyl	143390-89-0	129111	Likely to Be Carcinogenic to Humans	8/19/1999

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CHEMICAL	CAS NO.*	PC CODE**	CANCER CLASSIFICATION***	REPORT DATE****
Lactofen	77501-63-4	128888	Likely to Be Carcinogenic in Humans at High Doses. Not Likely to Be Carcinogenic to Humans at Low Doses	10/17/2006
Lambda cyhalothrin	91465-08-6	128897	Group D--Not Classifiable as to Human Carcinogenicity	9/12/2002
Lindane	58-89-9	009001	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	11/29/2001
Linuron	330-55-2	035506	Group C--Possible Human Carcinogen	11/20/2001
Malathion	121-75-5	057701	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	4/28/2000
Maleic hydrazide	123-33-1	051501	Group E--Evidence of Non-Carcinogenicity for Humans	11/10/1993
Mancozeb	8018-01-7	014504	Group B--Probable Human Carcinogen	7/7/1999
Mandestrobin	173662-97-0	036603	Not Likely to Be Carcinogenic to Humans	4/25/2016
Mandipropamid	374726-62-2	036602	Not Likely to Be Carcinogenic to Humans	1/21/2009
Maneb	12427-38-2	014505	Group B--Probable Human Carcinogen	7/7/1999
MB46513 (photodegradate of Fipronil)	120067-83-6	600050	Not Likely to Be Carcinogenic to Humans	12/6/2000
MCPA + Salts	94-74-6	030501	Not Likely to Be Carcinogenic to Humans	10/29/2003
MCPB Acid	94-81-5	019201	Not Likely to Be Carcinogenic to Humans	10/1/2008
Mecoprop-P	16484-77-8	129046	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	3/13/2003
Mefenoxam	70630-17-0	113502	Not Likely to Be Carcinogenic to Humans	5/17/2000

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Mefluidide	53780-34-0	114001	Not Likely to Be Carcinogenic to Humans	5/30/2007
Melamine	108-78-1	777201	Group D--Not Classifiable as to Human Carcinogenicity	7/21/1993
Mepanipyrim	110235-47-7	288203	Likely to Be Carcinogenic to Humans	4/20/2004
Mepiquat Chloride	24307-26-4	109101	Not Likely to Be Carcinogenic to Humans	2/19/2003
Meptyldinocap (DE-126/Dinocap II)	131-72-6	036000	Group E--Evidence of Non-Carcinogenicity For Humans	3/17/2009
Mercaptobenzothiazole, 2-	149-30-4	051701	Group C--Possible Human Carcinogen	11/19/1992
Mesosulfuron methyl	208465-21-8	122009	Not Likely to Be Carcinogenic to Humans	3/4/2004
Mesotrione	104206-82-8	122990	Not Likely to Be Carcinogenic to Humans	4/12/2001
Metaflumizone	139968-49-3	281250	Not Likely to Be Carcinogenic to Humans	1/24/2006
Metalaxyl	57837-19-1	113501	Group E--Evidence of Non-Carcinogenicity for Humans	4/20/1994
Metaldehyde	108-62-3	053001	Suggestive Evidence of Carcinogenic Potential	6/23/2005
Metam sodium	137-42-8	039003	Likely to Be Carcinogenic to Humans	5/14/2009
Metconazole	125116-23-6	125619	Not Likely to Be Carcinogenic to Humans	4/14/2006
Methamidophos	10265-92-6	101201	Not Likely to Be Carcinogenic to Humans	2/12/1998
Methidathion	950-37-8	100301	Group C--Possible Human Carcinogen	2/19/1988

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Methiocarb	2032-65-7	100501	Group D--Not Classifiable as to Human Carcinogenicity	3/2/1993
Methomyl	16752-77-5	090301	Group E--Evidence of Non-Carcinogenicity for Humans	10/25/1996
Methoxyfenozide	161050-58-4	121027	Not Likely to Be Carcinogenic to Humans	7/1/1999
Methyl bromide	74-83-9	053201	Not Likely to Be Carcinogenic to Humans	6/20/2001
Methyl isothiocyanate	6317-18-6	068103	There Are Insufficient Data to Characterize the Cancer Risk of MITC.	4/30/2009
Methyl parathion	298-00-0	053501	Not Likely to Be Carcinogenic to Humans	12/1/1997
Metiram	9006-42-2	014601	Group B--Probable Human Carcinogen	7/7/1999
Metofluthrin	240494-70-6	109709	Not Likely to Be Carcinogenic to Humans at doses that do not result in a mitogenic response.	7/26/2007
Metolachlor	51218-45-2	108801	Group C--Possible Human Carcinogen	11/16/1994
Metrafenone	220899-03-6	000325	Suggestive Evidence of Carcinogenic Potential	7/6/2006
Metribuzin	21087-64-9	101101	Group D--Not Classifiable as to Human Carcinogenicity	5/16/1995
Metsulfuron methyl	74223-64-6	122010	Not Likely to Be Carcinogenic to Humans	3/14/2002
Mevinphos	7786-34-7	015801	Not Likely to Be Carcinogenic to Humans	5/17/2000
MGK 264	113-48-4	057001	Group C--Possible Human Carcinogen	6/7/1995
Molinate	2212-67-1	041402	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	12/14/2000
Momfluorothrin	609346-29-4	016331	Not Likely to Be Carcinogenic to Humans	12/2/2014

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CHEMICAL	CAS NO.*	PC CODE**	CANCER CLASSIFICATION***	REPORT DATE****
MON 4660	71526-07-3	600046	Likely to Be Carcinogenic to Humans	12/9/1999
Monosodium acid methanearsonate (MMA)	2163-80-6	013803	Not Likely to Be Carcinogenic to Humans	7/26/2000
Morpel 326	136-45-8	047201	Not Likely to Be Carcinogenic to Humans	5/12/2015
MSMA-calcium salt	5902-95-4	013806	Not Likely to Be Carcinogenic to Humans	12/14/2000
Myclobutanil	88671-89-0	128857	Group E--Evidence of Non-Carcinogenicity for Humans	6/16/1994
NAA potassium salt	15165-79-4	056003	Not Likely to Be Carcinogenic to Humans	3/14/2012
Naled	300-76-5	034401	Group E--Evidence of Non-carcinogenicity for Humans	8/31/1994
Napropamide	15299-99-7	103001	Not Likely to Be Carcinogenic to Humans	7/7/2005
Naptalam Sodium Salt	132-67-2	030703	Group D--Not Classifiable as to Human Carcinogenicity	9/7/1994
Napthalene Acetates	2122-70-5	056008	Not Likely to Be Carcinogenic to Humans	3/5/2009
Nicarbazin	330-95-0	085712	Not Likely to Be Carcinogenic to Humans	12/2/2015
Nicosulfuron	111991-09-4	129008	Group E--Evidence of Non-Carcinogenicity for Humans	9/1/1998
Nitrapyrin	1929-82-4	069203	Suggestive Evidence Of Carcinogenic Potential	9/22/2016
Norflurazon	27314-13-2	105801	Group C--Possible Human Carcinogen	11/2/1990
Novaluron	116714-46-6	124002	Not Likely to Be Carcinogenic to Humans	2/4/2004

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Orthophenylphenol (see also PC 064104)	90-43-7	064103	Not Likely to Be Carcinogenic to Humans (quantification of cancer risk is not required since the NOAEL selected for the chronic Reference Dose would address the concerns for the precursor events leading to development of bladder and liver tumors)	10/12/2005
Orthophenylphenol, Sodium salt (see also PC 064103)	132-27-4	064104	Not Likely to Be Carcinogenic to Humans (quantification of cancer risk is not required since the NOAEL selected for the chronic Reference Dose would address the concerns for the precursor events leading to development of bladder and liver tumors)	10/12/2005
Orthosulfamuron	213464-77-8	108209	Suggestive Evidence of Carcinogenic Potential	10/26/2006
Oryzalin	19044-88-3	104201	Likely to be Carcinogenic to Humans	6/25/2003
Oxadiazon	19666-30-9	109001	Likely To Be Carcinogenic To Humans	5/1/2001
Oxadixyl	77732-09-3	126701	Group C--Possible Human Carcinogen	1/4/1989
Oxamyl	23135-22-0	103801	Group E--Evidence of Non-carcinogenicity for Humans	11/5/1996
Oxydemeton-methyl	301-12-2	058702	Not Likely to Be Carcinogenic to Humans	7/24/1997
Oxyfluorfen	42874-03-3	111601	Likely to Be Carcinogenic to Humans	4/20/2010
Oxytetracycline	2058-46-0	006308	Group D--Not Classifiable as to Human Carcinogenicity	12/18/1992

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Oxythioquinox	2439-01-2	054101	Group B--Probable Human Carcinogen	2/15/1996
Paclobutrazol	76738-62-0	125601	Group D--Not Classifiable as to Human Carcinogenicity	6/23/1994
Paradichlorobenzene	106-46-7	061501	Not Likely to Be Carcinogenic to Humans	6/5/2007
Paranitrophenol	100-02-7	056301	Group D--Not Classifiable as to Human Carcinogenicity	5/14/1996
Paraquat dichloride	1910-42-5	061601	Group E--Evidence of Non-Carcinogenicity for Humans	4/19/2000
Parathion, ethyl-	56-38-2	057501	Group C--Possible Human Carcinogen	9/11/1991
Pebulate	1114-71-2	041403	Not Likely to Be Carcinogenic to Humans	12/7/1998
Pendimethalin	40487-42-1	108501	Group C--Possible Human Carcinogen	7/24/1992
Penflufen	494793-67-8	100249	Suggestive Evidence of Carcinogenic Potential	3/30/2011
Penoxulam	219714-96-2	119031	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	3/24/2004
Pentachloronitrobenzene (PCNB)	82-68-8	056502	Group C--Possible Human Carcinogen	12/18/1992
Pentachlorophenol	87-86-5	063001	Group B--Probable Human Carcinogen	1/3/1991
Penthiopyrad	183675-82-3	090112	Suggestive Evidence of Carcinogenic Potential	10/18/2011
Permethrin	52645-53-1	109701	Likely to Be Carcinogenic to Humans	10/23/2002
Phenmedipham	13684-63-4	098701	Group D--Not Classifiable as to Human Carcinogenicity	4/28/1993

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PHMB	32289-58-0	111801	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	7/16/2003
Phorate	298-02-2	057201	Group E--Evidence of Non-Carcinogenicity for Humans	12/30/1993
Phosalone	2310-17-0	097701	Not Likely to Be Carcinogenic to Humans	8/12/1999
Phosmet	732-11-6	059201	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	10/27/1999
Phosphamidon	13171-21-6	018201	Group C--Possible Human Carcinogen	5/31/1989
Phostebupirim	96182-53-5	129086	Group E--Evidence of Non-Carcinogenicity for Humans	4/27/1993
Picloram Acid	1918-02-1	005101	Group E--Evidence of Non-Carcinogenicity for Humans	4/1/1994
Picloram Acid Ethylhexyl Ester	26952-20-5	005103	Group E--Evidence of Non-Carcinogenicity for Humans	4/1/1994
Picloram Acid Potassium Salt	2545-60-0	005104	Group E--Evidence of Non-Carcinogenicity for Humans	4/1/1994
Picloram Acid Triisopropanolamine Salt	6753-47-5	005102	Group E--Evidence of Non-Carcinogenicity for Humans	4/1/1994
Picoxystrobin	117428-22-5	129200	Suggestive Evidence of Carcinogenic Potential	11/15/2011
Pinoxaden	243973-20-8	147500	Data Are Inadequate for an Assessment of Human Carcinogenic Potential	5/18/2005
Piperonyl butoxide	51-03-6	067501	Group C--Possible Human Carcinogen	6/7/1995
Pirimicarb	23103-98-2	106101	Likely to Be Carcinogenic to Humans	7/13/2005
Pirimiphos-methyl	29232-93-7	108102	Cannot Be Determined	1/29/1998
Polymeric Betaine	214710-34-6	103679	Inadequate Information to Assess Carcinogenic Potential	10/3/2006

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Potassium dichromate	7778-50-9	068302; 021101	Likely to Be Carcinogenic to Humans: See Hexavalent Chromium (CrVI)	7/1/2009
Prallethrin	23031-36-9	128722	Not Likely to Be Carcinogenic to Humans	6/27/2003
Primisulfuron-methyl	86209-51-0	128973	Group D--Not Classifiable as to Human Carcinogenicity	5/3/1990
Prochloraz	67747-09-5	128851	Group C--Possible Human Carcinogen	7/1/1988
Procymidone	32809-16-8	129044	Group B--Probable Human Carcinogen	4/5/1991
Prodiamine	29091-21-2	110201	Group C--Possible Human Carcinogen	6/10/1991
Profenofos	41198-08-7	111401	Group E--Evidence of Non-Carcinogenicity for Humans	2/6/1996
Prohexadione	127277-53-6	112600	Not Likely to Be Carcinogenic to Humans	4/14/2000
Prometon	1610-18-0	080804	Group D--Not Classifiable as to Human Carcinogenicity	11/25/1992
Prometryn	7287-19-6	080805	Group E--Evidence of Non-Carcinogenicity for Humans	7/26/1994
Pronamide	23950-58-5	101701	Not Likely to Be Carcinogenic to Humans	12/2/2014
Propachlor	1918-16-7	019101	Likely to Be Carcinogenic to Humans	10/16/1997
Propamocarb hydrochloride	25606-41-1	119302	Not Likely to Be Carcinogenic to Humans	5/31/2000
Propanil	709-98-8	028201	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	6/19/2001
Propargite	2312-35-8	097601	Group B--Probable Human Carcinogen	7/23/1992
Propazine	139-40-2	080808	Not Likely to Be Carcinogenic to Humans	12/8/2005

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Propetamphos	31218-83-4	113601	Not Likely to Be Carcinogenic to Humans	10/31/1998
Propiconazole	60207-90-1	122101	Group C--Possible Human Carcinogen	9/11/1992
Propineb	12071-83-9	522200	Likely to Be Carcinogenic to Humans	2/11/2013
Propoxur	114-26-1	047802	Group B--Probable Human Carcinogen	6/17/1996
Propoxycarbazone-Sodium	181274-15-7	122019	Not Likely to Be Carcinogenic to Humans	4/6/2004
Proquinazid	189278-12-4	044502	Suggestive Evidence of Carcinogenic Potential	4/24/2013
Prosulfuron	94125-34-5	129031	Data Are Inadequate for an Assessment of Human Carcinogenic Potential	1/24/2000
Prothioconazole	178928-70-6	113961	Not Likely to Be Carcinogenic to Humans	12/31/2007
Pymetrozine	123312-89-0	101103	Likely to Be Carcinogenic to Humans	9/22/1999
Pyraclostrobin	175013-18-0	099100	Not Likely to Be Carcinogenic to Humans	2/15/2007
Pyraflufen ethyl	129630-19-9	030090	Likely to Be Carcinogenic to Humans	10/8/2002
Pyrasulfotole	365400-11-9	000692	Suggestive Evidence of Carcinogenic Potential	5/17/2007
Pyrazon	1698-60-8	069601	Not Likely to Be Carcinogenic to Humans	7/28/2005
Pyrethrins	8003-34-7	069001	Not Likely to Be Carcinogenic to Humans at doses that do not cause mitogenic response in the liver cell proliferation	2/14/2008
Pyridaben	96489-71-3	129105	Group E--Evidence of Non-Carcinogenicity for Humans	5/11/1994
Pyridalyl	179101-81-6	295149	Not Likely to Be Carcinogenic to Humans	8/3/2004
Pyridate	55512-33-9	128834	Not Likely to Be Carcinogenic to Humans	1/24/2000

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Pyrifluquinazon	337458-27-2	555555	Not Likely to Be Carcinogenic to Humans at levels that do not alter rodent hormone homeostasis	6/21/2012
Pyrimethanil	53112-28-0	288201	Group C--Possible Human Carcinogen	2/11/1997
Pyriofenone	688046-61-9	028828	Not Likely to Be Carcinogenic to Humans	12/14/2011
Pyriproxyfen	95737-68-1	129032	Group E--Evidence of Non-Carcinogenicity for Humans	8/15/1995
Pyrithiobac-sodium	123343-16-8	078905	Group C--Possible Human Carcinogen	9/5/1995
Pyroxasulfone	447399-55-5	090099	Not Likely to Be Carcinogenic to Humans at doses below those that cause urinary bladder calculi formation resulting in cellular damage of the urinary tract	5/17/2011
Pyroxsulam	422556-08-9	108702	Not Likely to Be Carcinogenic to Humans	7/12/2007
Quinchlorac	84087-01-4	128974	Group D--Not Classifiable as to Human Carcinogenicity	8/26/1992
Quinoxyfen	124495-18-7	055459	Not Likely to Be Carcinogenic to Humans	1/28/2003
Quizalofop ethyl	76578-14-8	128711	Group D--Not Classifiable as to Human Carcinogenicity	3/17/1988
Resmethrin	10453-86-8	097801	Likely to be Carcinogenic to Humans	5/25/2005
Rimsulfuron	122931-48-0	129009	Not Likely to Be Carcinogenic to Humans	2/19/1998
RoteNone	83-79-4	071003	Group E--Evidence of Non-Carcinogenicity for Humans	10/5/1988
Saflufenacil (BAS 800 H)	372137-35-4	118203	Not Likely to Be Carcinogenic to Humans	7/22/2009

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S-Bioallethrin	28434-00-6	004004	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	12/2/2003
Sedaxane	874967-67-6	129223	Likely To Be Carcinogenic To Humans	5/18/2011
Sethoxydim	74051-80-2	121001	Not Likely to Be Carcinogenic to Humans	3/19/2003
Simazine	122-34-9	080807	Not Likely to Be Carcinogenic to Humans	4/14/2005
s-Metolachlor	87392-12-9	108800	Group C--Possible Human Carcinogen	9/28/2001
Sodium bentazon	50723-80-3	103901	Group E--Evidence of Non-Carcinogenicity For Humans	1/14/1992
Sodium omadine	15922-78-8	088004	Group D--Not Classifiable as to Human Carcinogenicity	5/16/1995
Solatenol	1072957-71-1	122305	Suggestive Evidence of Carcinogenic Potential	9/30/2014
Spinetoram	187166-40-1 +187166-15-0	110008	Not Likely to Be Carcinogenic to Humans	9/20/2007
Spinosad	131929-60-7	110003	Not Likely to Be Carcinogenic to Humans	7/18/2002
Spirodiclofen	148477-71-8	124871	Likely to Be Carcinogenic to Humans	6/10/2004
Spiromesifen	283594-90-1	024875	Not Likely to Be Carcinogenic to Humans	5/21/2008
Spirotetramat	203313-25-1	392201	Not Likely to Be Carcinogenic to Humans	3/26/2009
Spiroxamine	118134-30-8	120759	Not Likely to Be Carcinogenic to Humans	11/14/2003

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Sulfentrazone	122836-35-5	129081	Group E--Evidence of Non-Carcinogenicity for Humans	5/7/1996
Sulfosate	81591-81-3	128501	Group E--Evidence of Non-Carcinogenicity for Humans	7/26/1994
Sulfosulfuron	141776-32-1	085601	Not Likely to Be Carcinogenic to Humans at doses that do not cause crystals with subsequent calculi formation resulting in cellular damage of the urinary tract.	12/16/2008
Sulfoxaflor	946578-00-3	005210	Suggestive Evidence of Carcinogenic Potential	4/26/2012
Sulfuryl fluoride	2699-79-8	078003	Not Likely to Be Carcinogenic to Humans	5/24/2001
Sulprofos	35400-43-2	111501	Group E--Evidence of Non-carcinogenicity for Humans	3/26/1996
Sumithrin	26002-80-2	069005	Not Likely to Be Carcinogenic to Humans	5/30/2006
Tau-fluvalinate	102851-06-9	109302	Not Likely to Be Carcinogenic to Humans	9/29/2005
TCMTB (Busan 72)	21564-17-0	035603	Group C--Possible Human Carcinogen	8/28/1996
Tebuconazole	107534-96-3	128997	Group C--Possible Human Carcinogen	9/15/1993
Tebufenozide	112410-23-8	129026	Group E--Evidence of Non-Carcinogenicity for Humans	8/29/1994
Tebufenpyrad	119168-77-3	090102	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	7/15/2002
Tebuthiuron	34014-18-1	105501	Group D--Not Classifiable as to Human Carcinogenicity	3/1/1993
Tefluthrin	79538-32-2	128912	Not Likely to Be Carcinogenic to Humans	5/30/2012
Telone	542-75-6	029001	Group B--Probable Human Carcinogen	3/19/2002

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Tembotrione	335104-84-2	012801	Suggestive Evidence of Carcinogenic Potential	5/22/2007
Tepraloxydim	149979-41-9	121005	Data Are Inadequate for an Assessment of Human Carcinogenic Potential	2/27/2001
Terbacil	5902-51-2	012701	Group E--Evidence of Non-Carcinogenicity for Humans	9/30/1994
Terbufos	13071-79-9	105001	Group E--Evidence of Non-Carcinogenicity for Humans	3/9/1994
Terbuthylazine	5915-41-3	080814	Group D--Not Classifiable as to Human Carcinogenicity	8/24/1994
Terbutryn	886-50-0	080813	Group C--Possible Human Carcinogen	3/3/1988
Terrazole	2593-15-9	084701	Group B--Probable Human Carcinogen	6/29/1999
Tetrachlorvinphos	961-11-5	083701	Likely to Be Carcinogenic to Humans	3/7/2002
Tetraconazole	112281-77-3	120603	Not Likely to Be Carcinogenic to Humans at levels that do not cause increased cell proliferation in the liver	4/2/2013
Tetramethrin	7696-12-0	069003	Group C--Possible Human Carcinogen	12/11/1989
Thiabendazole	148-79-8	060101	Likely to Be Carcinogenic to Humans at High Does; Not Likely to Be Carcinogenic to Humans at Low Doses	3/8/2002
Thiacloprid	111988-49-9	014019	Likely to Be Carcinogenic to Humans	10/31/2012
Thiamethoxam	153719-23-4	060109	Not Likely to Be Carcinogenic to Humans	6/13/2005
Thiazopyr (MON 13200)	117718-60-2	129100	Suggestive Evidence of Carcinogenic Potential	12/6/2007
Thidiazuron	51707-55-2	120301	Not Likely to Be Carcinogenic to Humans	8/31/2005

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Thiencarbazone-methyl	317815-83-1	015804	Not Likely to Be Carcinogenic to Humans at doses that do not cause urothelium cytotoxicity	2/29/2008
Thifensulfuron methyl	79277-27-3	128845	Not Likely to Be Carcinogenic to Humans	12/12/2006
Thiobencarb (Bolero)	28249-77-6	108401	Group D--Not Classifiable as to Human Carcinogenicity	6/10/1996
Thiocyclam hydrogen oxalate	31895-22-4	128868	Group D--Not Classifiable as to Human Carcinogenicity	9/15/1994
Thiodicarb	59669-26-0	114501	Group B--Probable Human Carcinogen	6/10/1996
Thiophanate-methyl	23564-05-8	102001	Likely to Be Carcinogenic to Humans	8/24/1999
Thiram	137-26-8	079801	Not Likely to Be Carcinogenic to Humans	4/14/2003
Tolclofos-methyl	57018-04-9	128905	Not Required (nonfood)	3/22/2012
Tolfenpyrad	129558-76-5	090111	Not Likely to Be Carcinogenic to Humans	6/3/2010
Tolyfluanid	731-27-1	309200	Likely to Be Carcinogenic to Humans	6/18/2002
Topramezone	210631-68-8	123009	Not Likely to be Carcinogenic to Humans at Doses that Do Not Alter Rat Thyroid Hormone Homeostasis	5/19/2005
Tralkoxydim	87820-88-0	121000	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	6/30/2004
Triadimefon	43121-43-3	109901	Group C--Possible Human Carcinogen	12/4/1996
Triadimenol	55219-65-3	127201	Group C--Possible Human Carcinogen	1/29/1988
Triallate	2303-17-5	078802	Group C--Possible Human Carcinogen	1/12/1994

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Triasulfuron	82097-50-5	128969	Group E--Evidence of Non-Carcinogenicity for Humans	2/27/1991
Triazamate	112143-82-5	128100	Not Likely to Be Carcinogenic to Humans	12/1/1997
Tribenuron methyl	101200-48-0	128887	Group C--Possible Human Carcinogen	7/14/1989
Tribufos	78-48-8	074801	Likely to Be Carcinogenic to Humans (High Doses); Not Likely to Be Carcinogenic to Humans (Low Doses)	5/22/1997
Tributyltin maleate	14275-57-1	083118	Group D--Not Classifiable as to Human Carcinogenicity	3/31/2005
Trichlorfon	52-68-6	057901	Likely to Be Carcinogenic to Humans (High Doses), Not Likely to Be Carcinogenic to Humans (Low Doses)	7/15/1999
Triclopyr	55335-06-3	116001	Group D--Not Classifiable as to Human Carcinogenicity	5/9/1996
Triclosan	3380-34-5	054901	Not Likely To Be Carcinogenic To Humans	1/4/2008
Tricyclazole	41814-78-2	120201	Not Likely to Be Carcinogenic to Humans	4/1/2014
Tridiphane	58138-08-2	123901	Group C--Possible Human Carcinogen	4/22/1986
Trifloxystrobin	141517-21-7	129112	Not Likely to Be Carcinogenic to Humans	6/16/1999
Trifloxysulfuron	290332-10-4	119009	Not Likely to Be Carcinogenic to Humans	7/22/2003
Triflumizole	68694-11-1	128879	Group E--Evidence of Non-Carcinogenicity for Humans	8/10/1993
Trifluralin	1582-09-8	036101	Group C--Possible Human Carcinogen	4/11/1986
Triflusulfuron-methyl	126535-15-7	129002	Group C--Possible Human Carcinogen	5/28/1996

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Triforine	26644-46-2	107901	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	6/29/2004
Trinexapac-Ethyl	95266-40-3	112602	Not Likely to Be Carcinogenic	9/5/2008
Triphenyltin hydroxide (TPTH)	76-87-9	083601	Group B--Probable Human	5/24/1990
Triticonazole	131983-72-7	125620	Not Likely to Be Carcinogenic to Humans	6/15/2006
Troysan polyphase (IPBC)	55406-53-6	107801	Not Likely to Be Carcinogenic to Humans	12/4/1996
UDMH	57-14-7	600018	Group B--Probable Human Carcinogen	7/26/1991
UMP-488 (PAL 6000)	111578-32-6	129025	Group E--Evidence of Non-Carcinogenicity for Humans	5/6/1994
Uniconazole	83657-22-1	128976	Group C--Possible Human Carcinogen	10/11/1990
Vinclozolin	50471-44-8	113201	Group C--Possible Human Carcinogen	6/20/2000
Zeta-Cypermethrin	52315-07-8	129064	Group C--Possible Human Carcinogen	9/27/1988
Ziram	137-30-4	034805	Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential	2/6/2003
Zoxamide	156052-68-5	101702	Not Likely to Be Carcinogenic to Humans	2/7/2001

*CAS No: a chemical identifier designated by the Chemical Abstracts Service

**PC Code: a unique chemical identifier used by the Office of Pesticide Programs

***Cancer Classification: Simple descriptors used to express conclusions regarding the carcinogenic hazard potential of a chemical based on all relevant information, which is usually laboratory studies. These phases changed over time, as the Agency's guidance for carcinogenicity assessment was updated and revised.

****Report: Date of the Carcinogen Assessment Review Committee (CARC) report. The CARC report date does not necessarily reflect the date of the pesticide risk assessment. For example, all existing pesticide tolerances that were in place as of August 1996 were re-assessed for their health risks by August 2006 as required by the Food Quality Protection Act, and if there was no new information on carcinogenicity, the compound was not re-evaluated by the CARC.