UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

MEMORANDUM

DATE: November 1, 2022

SUBJECT: Chemicals Evaluated for Carcinogenic Potential by the Office of

Pesticide Programs

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TO: Division Directors AD, BPPD, EFED, HED, PRD and RD

The attached list provides an overview of chemicals evaluated for carcinogenic potential by the Health Effects Division (HED) of the Office of Pesticide Programs (OPP) available through July 2022. Applying the Agency's Guidelines for Carcinogen Risk Assessment, the classification of the chemical is made by HED's Cancer Assessment Review Committee (CARC) or, in the case of where there is no evidence of carcinogenicity, by the HED Risk Assessment Team.

This list includes the chemical name, CAS Number, PC code, the cancer classification, report date, test species and tumor type(s) as well as method of quantification of cancer risk and established mode of action, as applicable.

It should be noted that the evaluation of many of these chemicals is an ongoing process, therefore, the information in this list (i.e., classification and/or the quantification) may be subject to change as new and/or additional data are submitted to OPP. This list should not be used as the single source for either the classification or quantification of the carcinogenic potential.

This list is updated annually. If further information is required, please contact Rick Fehir: Phone - 202-566-2193 or e-mail - fehir.richard@epa.gov.

Chemicals Evaluated for Carcinogenic Potential

Science Information Management Branch
Health Effects Division
Office of Pesticide Programs
U.S. Environmental Protection Agency

BACKGROUND

What is this list?

The Chemicals Evaluated for Carcinogenic Potential provides an overview of the compounds evaluated for carcinogenicity by the Health Effects Division of the Office of Pesticide Programs.

NOTE: As new information becomes available, the list may become out-of-date. Therefore, it should not be used as the sole reference regarding the carcinogenic potential for a pesticide. EPA intends to update the list each year to include new evaluations or re-evaluations.

How does EPA review pesticides for potential carcinogenicity?

The Health Effects Division of the Office of Pesticide Programs performs an independent review of studies conducted in mice and rats to evaluate the carcinogenic potential of pesticides. The results of the independent review are peer-reviewed by the Cancer Assessment Review Committee. This committee recommends a cancer classification. The classification will determine how the Agency regulates the pesticide and will include methods for quantification of human risk. In some cases, EPA also requests review by the FIFRA Scientific Advisory Panel.

What factors does EPA consider in its review of cancer risk?

When assessing possible cancer risk posed by a pesticide, EPA considers how strongly carcinogenic the chemical is (its potency) and the potential for human exposure. The pesticides are evaluated not only to determine if they cause cancer in laboratory animals, but also as to their potential to cause human cancer. For any pesticide classified as a potential carcinogen, the risk would depend on the extent to which a person might be exposed (how much time and to what quantity of the pesticide). The factors considered include short-term studies, long-term cancer studies, mutagenicity studies, and structure activity concerns. (The term "weight-of-the-evidence" is used in referring to such a review. This means that the recommendation is not based on the results of one study, but on the results of all studies that are available.)

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). These studies are required for all pesticides used on food and some non-food pesticides that could lead to long-term exposures in humans. These studies may be reviewed again when a pesticide undergoes reregistration and the cancer classification may be reevaluated, particularly if new studies have been submitted.

Why are there several different cancer classifications in the list?

EPA's guidelines for evaluating the potential carcinogenicity of chemicals have been updated over the years to reflect increased understanding of ways chemicals may cause cancer. The current guidelines call for greater emphasis on characterization discussions for hazard, dose-response assessment, exposure assessment, and risk characterization, as well as the use of mode of action in the assessment of potential carcinogenesis.

EPA does not have the resources to re-evaluate every chemical to determine how it would be described under new guidelines, and there is no reason to re-evaluate chemicals unless there is some new information that could change the basic understanding of that chemical.

How have the guidelines changed?

EPA issued its first set of principles to guide evaluation of human cancer potential in1976. In 1986, EPA issued updated 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. The human carcinogenic potential of agents was characterized by a six-category alphanumeric classification system (A, B1, B2, C, and D). In 1996, EPA released "Proposed Guidelines for Carcinogen Risk Assessment," which used descriptive phrases rather than the alphanumeric classification to classify carcinogenic potential. In the 1996 classification structure, increased emphasis was placed on 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. By 1999, the science related to carcinogens had advanced significantly. EPA issued draft guidelines that continued the greater emphasis on characterization discussions for hazard, dose-response assessment, exposure assessment, risk characterization and the use of mode of action in the assessment of potential carcinogenesis. In addition, the guidelines included consideration of risk to children, as well as addressing other issues such as nuances related to the amount and adequacy of data on a chemical.

In March, 2005, EPA released its final *Guidelines for Carcinogen Risk Assessment* (EPA/630/P-03/001F). 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). https://www.epa.gov/risk/guidelines-carcinogen-risk-assessment

How do the different designations compare?

The short answer is that they cannot be directly compared. Each system designation refers to the reviews and criteria it contains. A substance that is, for example, a "C" in the 1986 system may not be directly translatable to any particular category in the later systems. The designation for any substance must be considered in the context of the system under which it was reviewed.

A list of the descriptors from the various classification systems and their definitions are given on the following pages.

Carcinogenicity Classification of Pesticides: Derivation and Definition of Terms

CLASSIFICATION-2005

The following descriptors from the 2005 Guidelines for Carcinogen Risk Assessment can be used as an introduction to the weight of evidence narrative in the cancer risk assessment. The examples presented in the discussion of the descriptors are illustrative. The examples are neither a checklist nor a limitation for the descriptor. The complete weight of evidence narrative, rather than the descriptor alone, provides the conclusions and the basis for them.

CARCINOGENIC TO HUMANS. This descriptor indicates strong evidence of human carcinogenicity. It covers different combinations of evidence.

- This descriptor is appropriate when there is convincing epidemiologic evidence of a causal association between human exposure and cancer.
- Exceptionally, this descriptor may be equally appropriate with a lesser weight of epidemiologic evidence that is strengthened by other lines of evidence. It can be used when all of the following conditions are met: (a) there is strong evidence of an association between human exposure and either cancer or the key precursor events of the agent's mode of action but not enough for a causal association, and (b) there is extensive evidence of carcinogenicity in animals, and (c) the mode(s) of carcinogenic action and associated key precursor events have been identified in animals, and (d) there is strong evidence that the key precursor events that precede the cancer response in animals are anticipated to occur in humans and progress to tumors, based on available biological information. In this case, the narrative includes a summary of both the experimental and epidemiologic information on mode of action and also an indication of the relative weight that each source of information carries, e.g., based on human information, and based on limited human and extensive animal experiments.

LIKELY TO BE CARCINOGENIC TO HUMANS. This descriptor is appropriate when the weight of the evidence is adequate to demonstrate carcinogenic potential to humans but does not reach the weight of evidence for the descriptor "Carcinogenic to Humans." Adequate evidence consistent with this descriptor covers a broad spectrum. As stated previously, the use of the term "likely" as a weight of evidence descriptor does not correspond to a quantifiable probability. The examples below are meant to represent the broad range of data combinations that are covered by this descriptor; they are illustrative and provide neither a checklist nor a limitation for the data that might support use of this descriptor.

Moreover, additional information, e.g., on mode of action, might change the choice of descriptor for the illustrated examples. Supporting data for this descriptor may include:

- An agent demonstrating a plausible (but not definitively causal) association between human exposure and cancer, in most cases with some supporting biological, experimental evidence, though not necessarily carcinogenicity data from animal experiments;
- An agent that has tested positive in animal experiments in more than one species, sex, strain, site, or exposure route, with or without evidence of carcinogenicity in humans;
- A positive tumor study that raises additional biological concerns beyond that of a statistically significant result, for example, a high degree of malignancy, or an early age at onset;
- A rare animal tumor response in a single experiment that is assumed to be relevant to humans; or

• A positive tumor study that is strengthened by other lines of evidence, for example, either plausible (but not definitively causal) association between human exposure and cancer or evidence that the agent or an important metabolite causes events generally known to be associated with tumor formation (such as DNA reactivity or effects on cell growth control) likely to be related to the tumor response in this case.

SUGGESTIVE EVIDENCE OF CARCINOGENIC POTENTIAL. This descriptor of the database is appropriate when the weight of evidence is suggestive of carcinogenicity; a concern for potential carcinogenic effects in humans is raised, but the data are judged not sufficient for a stronger conclusion. This descriptor covers a spectrum of evidence associated with varying levels of concern for carcinogenicity, ranging from a positive cancer result in the only study on an agent to a single positive cancer result in an extensive database that includes negative studies in other species. Depending on the extent of the database, additional studies may or may not provide further insights. Some examples include:

- A small, and possibly not statistically significant, increase in tumor incidence observed in a single animal or human study that does not reach the weight of evidence for the descriptor "Likely to Be Carcinogenic to Humans." The study generally would not be contradicted by other studies of equal quality in the same population group or experimental system (see discussions of *conflicting evidence* and *differing results*, below);
- A small increase in a tumor with a high background rate in that sex and strain, when there is some but insufficient evidence that the observed tumors may be due to intrinsic factors that cause background tumors and not due to the agent being assessed. (When there is a high background rate of a specific tumor in animals of a particular sex and strain, then there may be biological factors operating independently of the agent being assessed that could be responsible for the development of the observed tumors.) In this case, the reasons for determining that the tumors are not due to the agent are explained;
- Evidence of a positive response in a study whose power, design, or conduct limits the ability to draw a confident conclusion (but does not make the study fatally flawed), but where the carcinogenic potential is strengthened by other lines of evidence (such as structure-activity relationships); or
- A statistically significant increase at one dose only, but no significant response at the other doses and no overall trend.

INADEQUATE INFORMATION TO ASSESS CARCINOGENIC POTENTIAL. This descriptor of the database is appropriate when available data are judged inadequate for applying one of the other descriptors. Additional studies generally would be expected to provide further insights. Some examples include:

- Little or no pertinent information;
- Conflicting evidence, that is, some studies provide evidence of carcinogenicity but other studies of equal quality in the same sex and strain are negative. Differing results, that is, positive results in some studies and negative results in one or more different experimental systems, do not constitute *conflicting evidence*, as the term is used here. Depending on the overall weight of evidence, differing results can be considered either suggestive evidence or likely evidence; or
- Negative results that are not sufficiently robust for the descriptor, "Not Likely to Be Carcinogenic to Humans."

NOT LIKELY TO BE CARCINOGENIC TO HUMANS. This descriptor is appropriate when the available data are considered robust for deciding that there is no basis for human hazard concern. In some instances, there can be positive results in experimental animals when there is strong, consistent evidence that each mode of action in experimental animals does not operate in humans. In other cases, there can be convincing evidence in both humans and animals that the agent is not carcinogenic. The judgment may be based on data such as:

- Animal evidence that demonstrates lack of carcinogenic effect in both sexes in well-designed and well-conducted studies in at least two appropriate animal species (in the absence of other animal or human data suggesting a potential for cancer effects),
- Convincing and extensive experimental evidence showing that the only carcinogenic effects observed in animals are not relevant to humans,
- Convincing evidence that carcinogenic effects are not likely by a particular exposure route (see Section 2.3), or
- Convincing evidence that carcinogenic effects are not likely below a defined dose range.

tumor formation does not occur below that dose.

A descriptor of "not likely" applies only to the circumstances supported by the data. For example, an agent may be "Not Likely to Be Carcinogenic" by one route but not necessarily by another. In those cases that have positive animal experiment(s) but the results are judged to be not relevant to humans, the narrative discusses why the results are not relevant.

MULTIPLE DESCRIPTORS. More than one descriptor can be used when an agent's effects differ by dose or exposure route. For example, an agent may be "Carcinogenic to Humans" by one exposure route but "Not Likely to Be Carcinogenic" by a route by which it is not absorbed.

Also, an agent could be "Likely to Be Carcinogenic" above a specified dose but "Not Likely to Be Carcinogenic" below that dose because a key event in

CLASSIFICATION -1999 Draft

The terms used to describe carcinogenic potential in the July 1999 "Review Draft of the Guidelines for Carcinogen Risk Assessment" are listed and defined as follows:

CARCINOGENIC TO HUMANS. This descriptor is appropriate when there is convincing epidemiologic evidence demonstrating causality between human exposure and cancer. This descriptor is also appropriate when there is an absence of conclusive epidemiologic evidence to clearly establish a cause and effect relationship between human exposure and cancer, but there is compelling evidence of carcinogenicity in animals and mechanistic information in animals and humans demonstrating similar mode(s) of carcinogenic action. It is used when all of the following conditions are met:

- There is evidence in a human population(s) of association of exposure to the agent with cancer, but not enough to show a causal association, and
- There is extensive evidence of carcinogenicity, and
- The mode(s) of carcinogenic action and associated key events have been identified in animals, and
- The keys events that precede the cancer response in animals have been observed in the human population(s) that also shows evidence of an association of exposure to the agent with cancer.

LIKELY TO BE CARCINOGENIC TO HUMANS. This descriptor is appropriate when the available tumor effects and other key data are adequate to demonstrate carcinogenic potential to humans. Adequate data are within a spectrum. At one end is evidence for an association between human exposure to the agent and cancer and strong experimental evidence of carcinogenicity in animals; at the other, with no human data, the weight of experimental evidence shows animal carcinogenicity by a mode or modes of action that are relevant or assumed to be relevant to humans.

SUGGESTIVE EVIDENCE OF CARCINOGENICITY, BUT NOT SUFFICIENT TO ASSESS HUMAN CARCINOGENIC POTENTIAL. This descriptor is appropriate when the evidence from human or animal data is suggestive of carcinogenicity, which raises a concern for carcinogenic effects but is judged not sufficient for a conclusion as to human carcinogenic potential. Examples of such evidence may include: a marginal increase in tumors that may be exposure-related, or evidence is observed only in a single study, or the only evidence is limited to certain high background tumors in one sex of one species. Dose-response assessment is not indicated for these agents. Further studies would be needed to determine human carcinogenic potential.

DATA ARE INADEQUATE FOR AN ASSESSMENT OF HUMAN CARCINOGENIC POTENTIAL. This descriptor is used when available data are judged inadequate to perform an assessment. This includes a case when there is a lack of pertinent or useful data or when existing evidence is conflicting, e.g., some evidence is suggestive of carcinogenic effects, but other equally pertinent evidence does not confirm a concern.

NOT LIKELY TO BE CARCINOGENIC TO HUMANS. This descriptor is used when the available data are considered robust for deciding that there is no basis for human hazard concern. The judgment may be based on:

• Extensive human experience that demonstrates lack of carcinogenic effect (e.g., phenobarbital).

- Animal evidence that demonstrates lack of carcinogenic effect in at least two well- designed and well-conducted studies in two appropriate animal species (in the absence of human data suggesting a potential for cancer effects).
- Extensive experimental evidence showing that the only carcinogenic effects observed in animals are not considered relevant to humans (e.g., showing only effects in the male rat kidney due to accumulation of alpha_{2u}-globulin).
- Evidence that carcinogenic effects are not likely by a particular route of exposure.
- Evidence that carcinogenic effects are not anticipated below a defined dose range.

CLASSIFICATION-1996

In April 1996, EPA released the "Proposed Guidelines for Carcinogen Risk Assessment." This scheme varied from the earlier 1986 scheme in that it used descriptors rather than letters to classify carcinogenic potential. The descriptors are:

KNOWN/LIKELY. This category of descriptors is appropriate when the available tumor effects and other key data are adequate to convincingly demonstrate carcinogenic potential for humans.

CANNOT BE DETERMINED. This category of descriptors is appropriate when available tumor effects or other key data are suggestive or conflicting or limited in quantity and, thus, are not adequate to convincingly demonstrate carcinogenic potential for humans. In general, further agent specific and generic research and testing are needed to be able to describe human carcinogenic potential.

NOT LIKELY. This is the appropriate descriptor when experimental evidence is satisfactory for deciding that there is no basis for human hazard concern, as follows (in the absence of human data suggesting a potential for cancer effects).

CLASSIFICATION -1986

The following cancer classification scheme was first introduced in 1986. It was used until 1996.

GROUP A-HUMAN CARCINOGEN. This group is used only when there is sufficient evidence from epidemiologic studies to support a causal association between exposure to the agents and cancer.

GROUP B-PROBABLE HUMAN CARCINOGEN. This group includes agents for which the weight of evidence of human carcinogenicity based on epidemiologic studies is "limited" and also includes agents for which the weight of evidence of carcinogenicity based on animal studies is "sufficient." The group is divided into two subgroups. Group B1 is reserved for agents for which there is limited evidence of carcinogenicity from epidemiologic studies. Group B2 is used for Agents for which there is "sufficient: evidence from animal studies and for which there is "inadequate evidence" or "no data" from epidemiologic studies.

GROUP C-POSSIBLE HUMAN CARCINOGEN. This group is used for agents with limited evidence of carcinogenicity in animals in the absence of human data.

GROUP D-NOT CLASSIFIABLE AS TO HUMAN CARCINOGENICITY. This group is generally used for agents with inadequate human and animal evidence of carcinogenicity or for which no data are available.

GROUP E-EVIDENCE OF NON-CARCINOGENICITY FOR HUMANS. This group is used for agents that show no evidence for carcinogenicity in at least two adequate animal tests in different species or in both adequate epidemiologic and animal studies.

OTHER DEFINITIONS

Quantification of Cancer Risk - Carcinogenic Potency Factor (Q1*)

Q1 STAR (Q1*) - In the classification of human or probable-human carcinogens, mathematical models are used to estimate an upper-bound excess cancer risk associated with lifetime ingestion in the diet. The data used in these estimates usually come from lifetime exposure studies in animals. The USEPA generally uses the linearized multistage model for its cancer risk assessment. This model fits linear dose-response curves to low doses and is consistent with a no-threshold model of carcinogenesis, i.e., exposure to even a very small amount of the substance produces a finite increased risk of cancer.

The linearized multistage model uses dose-response data from the most appropriate carcinogenic study to calculate a carcinogenic potency factor (q1*) for humans. The q1* is then used to determine the concentrations of the chemical in the diet that are associated with theoretical upperbound excess lifetime cancer risks of 1 in 10,000, 1 in 100,000, and 1 in 1,000,000 (10⁻⁴, 10⁻⁵, 10⁻⁶ respectively) individuals over a lifetime of exposure.

Mode of Action (MOA) - The key cellular and biochemical events that have to happen for a biological effect to develop. Mode of action is contrasted with mechanism of action which is a more complete understanding of the step by step pathway leading to a biological effect. Some established MOAs include:

Androgen Dependent - The chemical disrupts the normal levels of reproductive hormones (e.g., testosterone, luteinizing hormone) which in turn stimulates the target tissue (e.g., Leydig cells, testicular tissue) to divide which may lead to hyperplasia and neoplasia. For agents to pose a hazard to humans by this MOA, sufficient exposure levels need to be encountered which produce the same level of biological effect as seen in rodents. This is consistent with the MOA for Leydig cell tumorigenesis.

Cytotoxicity and Regenerative Proliferation - Continuous exposure to a chemical or its metabolite causes persistent cell killing which in turn may result in a persistent regenerative proliferative response in the damaged tissue. For irreversible tissue alterations to occur in humans, including cancer by this mode of action, a sufficient exposure must be encountered over a prolonged period.

Mitogenesis - Mitogenic chemicals act by promoting the clonal expansion of preneoplastic cells by stimulating cell proliferation. This mode of action is frequently found in the rodent liver where it is generally associated with an increase in metabolizing enzymes. A mitogenic chemical stimulates cell proliferation in the target organ without obvious cytotoxicity or cell death. Another important feature of this MOA is that the mitogenic effect is not persistent over time; instead it is resolved and then is manifested within proliferative foci which are considered preneoplastic lesions. Through continuous exposure, it is these preneoplastic lesions that develop into tumors. At this time, the adverse health effects caused by this MOA are presumed to be relevant to humans.

Mutagenesis - The chemical or a metabolite has the ability to react with or bind DNA in a manner that causes mutations. It is usually positive in multiple test systems for different genetic endpoints (particularly gene mutations and structural chromosome aberrations) and in tests performed *in vivo* and *in vitro*. Adverse health effects in rodents from these chemicals are considered relevant for human health risk.

Neuroendrocrine Disruption - Chemicals that disrupt hypothalamic control of pituitary function leading to a decrease in hormone release (e.g., luteinizing hormone) and the disruption of the ovarian cycle. This may result in an increase in cell proliferation in the

mammary gland due to a hyperstimulation by estrogen. In the case of chloro-s-triazines, this neuroendocrine MOA is not considered relevant to humans because it depends on a rodent specific reproductive process.

PPAR-alpha Agonism - Chemicals that bind to and activate the Peroxisome Proliferator-Activated Receptor (PPAR) stimulate biological responses in the liver (e.g., peroxisome proliferation, induction of lipid metabolizing enzymes, oxidative stress, and hepatocyte mitogenesis). Activation of PPAR—alpha results in an increase in cell proliferation and clonal expansion of preneoplastic foci in the liver. While the human relevance of this MOA has not been definitively determined, most of the evidence indicates that this mode of action is not operative in the human liver.

Thyroid Hormone Disruption - Disruption of normal levels of thyroid hormones may lead to an increase of thyroid stimulating hormone (TSH) which results in an increase in cell proliferation of the thyroid gland. If exposure is continuous in the animal, thyroid follicular cell tumors can potentially develop. However, the development of thyroid cancer by this mode of action in humans is considered unlikely since prolonged stimulation of the thyroid gland by TSH has not been associated with tumorigenesis in humans. However, this MOA is relevant as an indicator for potential noncancer health effects (e.g., goiter, neurodevelopmental, etc) due thyroid disruption in humans.

Chemicals Evaluated for Carcinogenic Potential

Science Information Management Branch
Health Effects Division
Office of Pesticide Programs

U.S. Environmental Protection Agency

CHEMICAL	CAS NO.	PC CODE	CANCER CLASSIFICATION	REPORT DATE
1,2,4-Triazole	288-88-0	600074	Group EEvidence Of Non-Carcinogenicity For Humans.	2/7/2006
1,3-Dibromo-5,5-				
dimethylhydantoin	77-48-5	006317	See: Dantochlor (BCDMH), (PC Code 028501).	
1,3-dichloro-5-				
methylhydantoin	89415-87-2	128826	See: Dantochlor (BCDMH), (PC Code 028501).	
2,4-D + Salts & Esters	94-75-7	030001	Group DNot Classifiable As To Human Carcinogenicity.	1/29/1997
2,4-D 2-ethylhexyl ester	1928-43-4	030063	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-D butoxyethyl ester	1929-73-3	030053	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-D Choline	1048373-72-3	051505	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-D diethanolamine salt	5742-19-8	030016	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-D dimethylamine salt	2008-39-1	030019	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-D isopropyl ester	94-11-1	030066	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-D isopropylamine salt	5742-17-6	030025	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-D sodium salt	2702-72-9	030004	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-D triisopropanolamine salt	32341-80-3	030035	See: 2,4-D + Salts & Esters, (PC Code 030001).	
2,4-DB	94-82-6	030801	Not Likely To Be Carcinogenic To Humans.	6/13/2003
2,4-DB DMA	2758-42-1	030819	See: 2,4-DB, (PC Code 030801).	
2,4-DP-p Salts & Esters	15165-67-0	031402	Not Likely To Be Carcinogenic To Humans.	12/5/2013
2,4-DP-p, 2-ethylhexyl ester	865363-39-9	031465	See: 2,4-DP-p, (PC Code 031402).	
2,4-DP-p, DMA salt	104786-87-0	031403	See: 2,4-DP-p, (PC Code 031402).	
2,4-Imidazolidinedione, 1-				
(hydroxymethyl)-5,5-dimethyl-	116-25-6	115502	See: Dantochlor (BCDMH), (PC Code 028501).	
2,4-Imidazolidinedione, 1,3-				
bis(hydroxymethyl)-5,5-				
dimethyl-	6440-58-0	115501	See: Dantochlor (BCDMH), (PC Code 028501).	
2,4-Imidazolidinedione, 1-				
chloro-5-ethyl-5-methyl-	113796-46-6	028502	See: Dantochlor (BCDMH), (PC Code 028501).	
2-Benzyl-4-chlorophenol	120-32-1	062201	Group CPossible Human Carcinogen.	9/5/1995
2-Fluoroacetamide	640-19-7	075002	See: Sodium Fluoroacetate, (PC Code 075003).	
3,5-Dibromo-4-				
hydroxybenzonitrile butyrate	3861-41-4	035303	See: Bromoxynil, (PC Code 035301).	
4-aminopyridine	504-24-5	069201	Group DNot Classifiable As To Human Carcinogenicity.	8/6/2007
Acephate	30560-19-1	103301	Group CPossible 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 CPossible 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
			Likely To Be Carcinogenic To Humans: At High Doses; Not	
Acifluorfen sodium	62476-59-9	114402	Likely To Be Carcinogenic To Humans At Low Doses.	7/9/2003
Acrinathrin	101007-06-1	129141	Group DNot Classifiable As To Human Carcinogenicity.	7/15/1996
ADBAC	68424-85-1	069105	Not Likely To Be Carcinogenic To Humans.	12/8/1999
Afidopyropen	915972-17-7	026200	Suggestive Evidence Of Carcinogenic Potential.	1/24/2018

	Annual Cancer Report 2022 PC REPORT					
CHEMICAL	CAS NO.	CODE	CANCER CLASSIFICATION	DATE		
			Likely To Be Carcinogenic To Humans: At High Doses; Not			
Alachlor	15972-60-8	090501	Likely To Be Carcinogenic To Humans At Low Doses.	6/27/1997		
Aldicarb	116-06-3	098301	Group EEvidence Of Non-Carcinogenicity For Humans.	7/17/2002		
	64742-89-8;					
Aliphatic petroleum solvent	64742-55-8	063503	Classification Not Available.	12/28/2018		
Alpha-Cypermethrin	67375-30-8	209600	See: Cypermethrin, (PC Code 109702).			
Ametoctradin	865318-97-4	119210	Not Likely To Be Carcinogenic To Humans.	5/24/2017		
Ametryn	834-12-8	080801	Suggestive Evidence Of Carcinogenic Potential.	12/20/2017		
Amicarbazone	129909-90-6	114004	Not Likely To Be Carcinogenic To Humans.	8/10/2005		
	858956-08-8; 124423-84-3;					
Aminocyclopyrachlor	1759-53-1	288008	Not Likely To Be Carcinogenic To Humans.	11/9/2011		
Aminocyclopyrachlor methyl						
ester	858954-83-3	288009	See: Aminocyclopyrachlor, (PC Code 288008).			
Aminocyclopyrachlor						
potassium salt	858956-35-1	288010	See: Aminocyclopyrachlor, (PC Code 288008).			
Aminopyralid	150114-71-9	005100	Not Likely To Be Carcinogenic To Humans.	7/12/2005		
Aminopyralid Potassium Salt	566192-87-5	005219	See: Aminopyralid, (PC Code 005100).			
Aminopyralid TIPA Salt	566191-89-7	005209	See: Aminopyralid, (PC Code 005100).			
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		
			Not Likely to Be Carcinogenic to Humans: at Doses That			
Amitrole	61-82-5	004401	Do Not Alter Rat Thyroid Hormone Homeostasis.	5/11/2006		
Anthraquinone	84-65-1	122701	Likely to Be Carcinogenic to Humans.	10/31/2012		
Aquashade	2650-18-2	110301	Not Likely To Be Carcinogenic To Humans.	9/27/2005		
Asulam	3337-71-1	106901	Group CPossible Human Carcinogen.	12/6/2001		
Asulam, sodium salt	2302-17-2	106902	See: Asulam, (PC Code 106901).			
Atrazine	1912-24-9	080803	Not Likely To Be Carcinogenic To Humans.	12/13/2000		
Avermectin	65195-55-3	122804	See: Emamectin Benzoate (Deoxy Avermectin), (PC Code 122806).			
Aviglycine	49669-74-1		Likely To Be Carcinogenic To Humans	8/12/2021		
8 / 1			Data Are Inadequate For An Assessment Of Human	-, ,		
Azafenidin	68049-83-2	119016	Carcinogenic Potential.	10/18/1999		
Azinphos-methyl	86-50-0		Not Likely To Be Carcinogenic To Humans.	4/20/1998		
Azoxystrobin	131860-33-8		Not Likely To Be Carcinogenic To Humans.	1/14/1997		
Benalaxyl-M	98243-83-5		Likely To Be Carcinogenic To Humans.	12/2/2014		
Bendiocarb	22781-23-3		Group EEvidence Of Non-Carcinogenicity For Humans.	12/16/1997		
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient			
Benfluralin	1861-40-1	084301	To Assess Human Carcinogenic Potential.	12/27/2001		
Benomyl	17804-35-2		Group CPossible Human Carcinogen.	9/21/2000		
Bensulide	741-58-2		Not Likely To Be Carcinogenic To Humans.	6/10/1999		
Bentazon	25057-89-0		Group EEvidence Of Non-Carcinogenicity For Humans.	1/14/1992		
Benthiavalicarb-isopropyl	177406-68-7	098379	Likely To Be Carcinogenic To Humans.	10/18/2005		
Benzobicyclon	156963-66-5	215101	· · · · · · · · · · · · · · · · · · ·	4/5/2017		
Benzyl Benzoate	120-51-4		Not Likely To Be Carcinogenic To Humans.	6/28/2007		
Beta Cyfluthrin	68359-37-5		See: Cyfluthrin, (PC Code 128831).			
Bicyclopyrone	365400-11-9		Suggestive Evidence Of Carcinogenic Potential.	9/10/2014		
Bifenazate	149877-41-8		Not Likely To Be Carcinogenic To Humans.	8/28/2001		
Bifenthrin	82657-04-3	128825	Group CPossible Human Carcinogen.	2/19/2003		

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Bioallethrin			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
(D-trans Allethrin)	584-79-2	004003	To Assess Human Carcinogenic Potential.	12/2/2003
Bispyrabac Sodium	125401-92-5		Not Likely To Be Carcinogenic To Humans.	8/2/2001
Bitertanol	55179-31-2		Not Likely To Be Carcinogenic To Humans.	11/30/2005
Bixafen	581809-46-3		Not Likely To Be Carcinogenic To Humans.	7/18/2018
Borax	1303-96-4		See: Boric acid, (PC Code 011001).	,, ==, ====
Boric acid	10043-35-3		Not Likely To Be Carcinogenic To Humans.	12/1/2015
Boron	7440-42-8		See: Boric acid, (PC Code 011001).	
Boron Sodium Oxide	12008-41-2		See: Boric acid, (PC Code 011001).	
Boron Sodium Oxide,		011107		
Tetrahydrate	12280-03-4	011103	See: Boric acid, (PC Code 011001).	
		011100	Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Boscalid	188425-85-6	128008	To Assess Human Carcinogenic Potential.	11/14/2002
Broflanilide			Likely To Be Carcinogenic To Humans.	12/2/2020
Bromacil	314-40-9		Group CPossible Human Carcinogen.	1/13/1993
Bromacil, lithium salt	53404-19-6		See: Bromacil, (PC Code 012301).	_,,
Bromethalin	63333-35-7		Classification Not Available.	3/20/2020
Bromoxynil	1689-84-5		Group CPossible Human Carcinogen.	3/12/1997
Bromoxynil heptanoate	56634-95-8		See: Bromoxynil, (PC Code 035301).	3, 12, 133,
Bromoxynil octanoate	1689-99-2		See: Bromoxynil, (PC Code 035301).	
Bromuconazole	116255-48-2		Group EEvidence Of Non-Carcinogenicity For Humans.	4/24/1995
Bronopol	52-51-7		Group EEvidence Of Non-Carcinogenicity for Humans.	6/12/1995
Бібііброі	32-31-7	210400	Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Buprofezin	69327-76-0	275100	To Assess Human Carcinogenic Potential.	3/15/2000
Butachlor	23184-66-9		Likely to Be Carcinogenic to Humans.	2/24/1999
Butafenacil	134605-64-4		Not Likely To Be Carcinogenic To Humans.	7/11/2003
Butoxypolypropylene Glycol	9003-13-8		Classification Not Available.	12/2/2019
Butoxypolypropylene diycol	3003-13-8	011301	There Are Insufficient Data To Characterize The Cancer	12/2/2013
Butralin	33629-47-9	106501	Risk Of Butralin.	9/5/1996
Butylate	2008-41-5		Group EEvidence Of Non-Carcinogenicity For Humans.	11/25/1992
Butylate	2000-41-3	041403	Not Likely To Be Carcinogenic To Humans: At Doses That	11/23/1332
Cacodylic acid	75-60-5	012501	Do Not Result In Enhanced Cell Proliferation.	6/21/2006
Cacodylic acid, sodium salt	124-65-2		See: Cacodylic acid, (PC Code 012501).	0/21/2000
Cadusafos	95465-99-9		Group EEvidence Of Non-Carcinogenicity For Humans.	5/28/1992
Captafol	2939-80-2		Group BProbable Human Carcinogen.	5/19/1987
Captaioi	2333-80-2	081701	Likely To Be Carcinogenic To Humans: At Prolonged, High-	
			Level Exposures; Not Likely To Be Carcinogenic To	
			Humans: At Doses That Do Not Cause Cytotoxicity And	
Captan	133-06-2	081301	Regenerative Cell Hyperplasia.	9/22/2004
Carbaryl	63-25-2		Likely To Be Carcinogenic To Humans.	2/12/2002
Carbendazim (MBC)	10605-21-7		Group CPossible Human Carcinogen.	4/7/1989
Carbofuran	1563-66-2		Not Likely To Be Carcinogenic To Humans.	6/17/1997
Carboxin	5234-68-4	090001	i	6/5/2003
Carfentrazone-ethyl	128639-02-1		Not Likely To Be Carcinogenic To Humans.	5/16/2001
Chlorantraniliprole	500008-45-7	090100	i ·	3/4/2009
Chlordimeform			, ,	
	6164-98-3		Group BProbable Human Carcinogen.	12/20/1985
Chlorethoxyfos	54593-83-8	129006	Group DNot Classifiable As To Human Carcinogenicity.	3/9/1995
Chlorfonanur	122452 72 0	120002	Suggestive Evidence Of Carcinogenicity, But Not Sufficient	2/10/2002
Chlorfenapyr	122453-73-0	129093	To Assess Human Carcinogenic Potential.	3/18/2003

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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		Group BProbable Human Carcinogen.	4/27/1995			
, ·			Data Are Inadequate For An Assessment Of Human				
Chloroneb	2675-77-6	027301	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 EEvidence Of Non-Carcinogenicity For Humans.	10/11/1994			
Chlorpyrifos	2921-88-2	059101	Group EEvidence 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		Group EEvidence Of Non-Carcinogenicity For Humans.	7/17/2002			
Chlorthal-dimethyl (DCPA)	1861-32-1		Group CPossible Human Carcinogen.	2/10/1995			
Cholecalciferol	67-97-0	202901	Classification Not Available.	3/24/2020			
			See: Hexavalent Chromium (CrVI)., (PC Codes 021101;				
Chromic acid	7738-94-5	021101	068302; 068304; 068306).				
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		7/23/1996			
Clofentezine	74115-24-5	125501	Group CPossible Human Carcinogen.	4/3/1990			
Clomazone	81777-89-1		Not Likely To Be Carcinogenic To Humans.	1/31/2001			
Clopyralid	1702-17-6	117403	· · · · · · · · · · · · · · · · · · ·	12/20/1999			
Clopyralid Monoethanolamine				, -,			
Salt	57754-85-5	117401	See: Clopyralid, (PC Code 117403).				
Clopyralid potassium	58509-83-4		See: Clopyralid, (PC Code 117403).				
Clopyralid, triethanolamine	119308-91-7		See: Clopyralid, (PC Code 117403).				
Cloquintocet-mexyl	99607-70-2		Not Likely To Be Carcinogenic To Humans.	8/31/1999			
Cloransulam-methyl	147150-35-4		Group EEvidence Of Non-Carcinogenicity for Humans.	9/30/1997			
Clothianidin	210880-92-5		Not Likely To Be Carcinogenic To Humans.	1/6/2003			
CMNP (Pyrazachlor)	6814-58-0	1	Likely To Be Carcinogenic To Humans.	9/20/2011			
Cocamide Diethanolamine	68603-42-9		Likely to Be Carcinogenic to Humans.	10/17/2001			
Copper Compounds	20427-59-2		Group DNot Classifiable As To Human Carcinogenicity.	6/13/2006			
Coumaphos	56-72-4		Not Likely To Be Carcinogenic To Humans.	6/25/1999			
Cresol, p-Chloro-m-	59-50-7		Group DNot Classifiable As To Human Carcinogenicity.	11/28/1995			
Cryolite	15096-52-3		Group DNot Classifiable As To Human Carcinogenicity.	12/22/1995			
Cumyluron	99485-76-4		Suggestive Evidence Of Carcinogenic Potential.	6/11/2008			
Cyanazine	21725-46-2		Group CPossible Human Carcinogen.	7/30/1991			
Cyantraniliprole	736994-63-1		Not Likely To Be Carcinogenic To Humans.	3/7/2013			
Cyazofamid	120116-88-3		Not Likely To Be Carcinogenic To Humans.	6/3/2009			
Cyclanilide	113136-77-9		Not Likely To Be Carcinogenic To Humans.	4/9/1997			
Cyclaniliprole			Not Likely To Be Carcinogenic To Humans.	4/25/2017			
Cycloate	1134-23-2		Not Likely To Be Carcinogenic To Humans.	9/25/2003			
Cyflufenamid	180409-60-3		Suggestive Evidence Of Carcinogenic Potential.	12/2/2014			
Cyflumetofen	400882-07-7		Suggestive Evidence Of Carcinogenic Potential.	12/30/2013			
Cyfluthrin	68359-37-5		Not Likely To Be Carcinogenic To Humans.	12/18/2019			
Cyhalofop-butyl	122008-85-9		Not Likely To Be Carcinogenic To Humans.	12/18/2013			
Cyhalothrin	68085-85-8		See: Gamma Cyhalothrin, (PC Code 128807).	12, 20, 2007			
Cyndiodinin	00003 03-0	120007	Data Are Inadequate For An Assessment Of Human				
Cyhexatin	13121-70-5	101601	_	4/7/2005			
Cynchatin	TOTET-10-2	TOTOUT	caremogenie i otential.	71112003			

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Cymoxanil	57966-95-7	129106	Not Likely To Be Carcinogenic To Humans.	1/2/2003
Cypermethrin	52315-07-8	109702	Group CPossible Human Carcinogen.	9/27/1988
Cyphenothrin	39515-40-7	129013	Not Likely To Be Carcinogenic To Humans.	12/16/2016
			Not Likely To Be Carcinogenic To Humans: At Doses That	
Cyproconazole	94361-06-5	128993	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 EEvidence Of Non-Carcinogenicity For Humans.	1/6/1995
d-Allethrin (Pynamin Forte)	584-79-2	004005	See: Bioallethrin (D-trans Allethrin), (PC Code 004003).	
Daminozide	1596-84-5	035101	Group BProbable Human Carcinogen.	7/26/1991
Dantochlor (BCDMH)	118-52-5	028501	Not Likely To Be Carcinogenic To Humans.	8/28/2000
Dazomet	533-74-4		Group DNot Classifiable As To Human Carcinogenicity.	12/7/1993
DEET	134-62-3	080301	Group DNot Classifiable As To Human Carcinogenicity.	1/4/1996
Deltamethrin	52918-63-5	097805	Not Likely To Be Carcinogenic To Humans.	9/9/2003
Demiditraz	944263-65-4		Not Required (Non-Food).	4/11/2013
Desmedipham	13684-56-5		Group EEvidence 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		Not Likely To Be Carcinogenic To Humans.	8/16/2005
Dicamba BAPMA Salt	104040-79-1		See: Dicamba, (PC Code 029801).	
Dichlobenil	1194-65-6		Group CPossible Human Carcinogen.	7/18/1995
Dichlorflurecol-Methyl (CME			,	, ,
minor component 10-15%)	21634-96-8	098803	See: Chlorflurenol Methyl Ester, (PC Code 098801).	
Dichlormid	37764-25-3		Not Likely To Be Carcinogenic To Humans.	11/15/2005
Dichlorobenzamide, 2,6-	2008-58-4	1	Group DNot Classifiable As To Human Carcinogenicity.	11/28/1995
, ,			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Dichlorvos	62-73-7	084001	To Assess Human Carcinogenic Potential.	3/1/2000
Diclofop-methyl	51338-27-3		Likely To Be Carcinogenic To Humans.	5/24/2000
Dicloran	99-30-9		Suggestive Evidence Of Carcinogenic Potential.	9/5/2006
Diclosulam	145701-21-9		Not Likely To Be Carcinogenic To Humans.	11/9/1999
Dicofol	115-32-2		Group CPossible Human Carcinogen.	6/24/1992
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Dicrotophos	141-66-2	035201	To Assess Human Carcinogenic Potential.	10/18/1999
Didecyl dimethyl ammonium				
chloride (DDAC)	7173-51-5	069149	Group EEvidence Of Non-Carcinogenicity For Humans.	4/11/2000
Diethanolamine Mefluidide	53780-36-2	114002	See: Mefluidide, (PC Code 114001).	
Diethofencarb	87130-20-9	112102	Suggestive Evidence Of Carcinogenic Potential.	8/27/2015
Difenoconazole	119446-68-3		Suggestive Evidence Of Carcinogenic Potential.	3/1/2007
Difenzoquat methyl sulfate	43222-48-6	106401	Group EEvidence Of Non-Carcinogenicity For Humans.	5/24/1994
Diflubenzuron	35367-38-5	108201	Group EEvidence Of Non-Carcinogenicity For Humans.	4/27/1995
Diflufenzopyr	109293-97-2	005108	Not Likely To Be Carcinogenic To Humans.	3/7/2017
Diflufenzopyr Sodiium	109293-98-3	005107	See: Diflufenzopyr, (PC Code 005108).	
Dimethenamid	87674-68-8		Group CPossible Human Carcinogen.	9/3/2014
Dimethenamid-P	163515-14-8	120051	See: Dimethenamid, (PC Code 129051).	
Dimethipin	55290-64-7		Group CPossible Human Carcinogen.	1/5/1990
Dimethoate	60-51-5	035001	Group CPossible Human Carcinogen.	3/26/2002
Dimethomorph	110488-70-5		Not Likely To Be Carcinogenic To Humans.	5/13/1998
Dimethoxane	828-00-2	001001	Suggestive Evidence Of Carcinogenic Potential.	12/21/2000
Dimethyl Disulfide, DMDS	624-92-0		Not Required Based On The Proposed Use Pattern.	12/28/2018
Dimethyl ether	115-10-6	900382		1/12/1994

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Dimethylhydantoin	16079-88-2	006315	See: Dantochlor (BCDMH), (PC Code 028501).	
Dinocap	39300-45-3	036001	Group EEvidence Of Non-Carcinogenicity For Humans.	6/22/1994
Dinoseb	88-85-7	037505	Group CPossible Human Carcinogen.	6/19/1986
Dinotefuran	165252-70-0	044312	Not Likely To Be Carcinogenic To Humans.	3/5/2004
Diphacinone	82-66-6	067701	Classification Not Available.	3/20/2020
Diphenylamine	122-39-4	038501	Not Likely To Be Carcinogenic To Humans.	4/1/1997
Diquat	2764-72-9	032202	See: Diquat dibromide, (PC Code 032201).	
Diquat dibromide	85-00-7	032201	Group EEvidence Of Non-Carcinogenicity For Humans.	5/12/1994
Disodium dichromate			See: Hexavalent Chromium (CrVI)., (PC Codes 021101;	
dihydrate	7789-12-0	068306	068302; 068304; 068306).	
Disodium methanearsonate	144-21-8	013802	Not Likely To Be Carcinogenic To Humans.	7/26/2000
Disulfoton	298-04-4	032501	Group EEvidence 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 EEvidence 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	274671-61-3	069089	· · · · · · · · · · · · · · · · · · ·	10/19/1999
Emamectin Benzoate			, g	
(Deoxy Avermectin)	137512-74-4	122806	Not Likely To Be Carcinogenic To Humans.	3/5/2003
Endosulfan	115-29-7		Not Likely To Be Carcinogenic To Humans.	1/31/2000
Endothall	145-73-3		Not Likely To Be Carcinogenic To Humans.	10/23/2008
Endothall Amine Salt	66330-88-9		See: Endothall, (PC Code 038901).	
Endothall dipotassium salt	2164-07-0		See: Endothall, (PC Code 038901).	
Epoxiconazole	106325-08-0		Likely To Be Carcinogenic To Humans.	1/24/2001
Esbiothrin	28434-00-6		See: Bioallethrin (D-trans Allethrin), (PC Code 004003).	
Esfenvalerate	66230-04-4		Group EEvidence Of Non-Carcinogenicity For Humans.	7/1/1996
Ethaboxam	162650-77-3		Suggestive Evidence Of Carcinogenic Potential.	3/23/2006
Ethalfluralin	55283-68-6		Group CPossible Human Carcinogen.	9/14/1994
Ethephon	16672-87-0		Group DNot Classifiable As To Human Carcinogenicity.	8/15/1994
Ethion	563-12-2		Group EEvidence Of Non-Carcinogenicity For Humans.	1/26/1994
Ethiprole	181587-01-9		Suggestive Evidence Of Carcinogenic Potential.	10/28/2010
Ethofumesate	26225-79-6		Group DNot Classifiable As To Human Carcinogenicity.	2/24/1994
Ethoprop	13194-48-4		Suggestive Evidence Of Carcinogenic Potential.	3/16/2020
		0.2202	Data Are Inadequate For An Assessment Of Human	0, 20, 2020
Ethoxyquin	91-53-2	055501	Carcinogenic Potential.	9/11/2019
Ethyl dipropylthiocarbamate				, ,,,
(EPTC)	759-94-4	041401	Not Likely To Be Carcinogenic To Humans.	8/31/1999
Ethylene thiourea (ETU)	96-45-7		Group BProbable Human Carcinogen.	7/7/1999
zaryiene amourea (210)	30 .3 ,	000010	Not Likely To Be Carcinogenic To Humans: At Doses That	17771333
Etofenprox	80844-07-1	128965	Do Not Alter Rat Thyroid Hormone Homeostasis.	2/8/2006
Etoxazole	153233-91-1		Not Likely To Be Carcinogenic To Humans.	8/7/2003
Famoxadone	131807-57-3		Not Likely To Be Carcinogenic To Humans.	4/16/2003
Fenamidone	161326-34-7	046679		7/12/2002
Fenamiphos	22224-92-6	100601	, ,	11/23/1993
Fenarimol	60168-88-9	206600	· · · · · · · · · · · · · · · · · · ·	9/5/2001
Fenazaquin	120928-09-8		Not Likely To Be Carcinogenic To Humans.	5/15/2007
Fenbuconazole	114369-43-6	129011	-	4/15/1996
Fenbutatin-oxide	13356-08-6	104601	·	3/2/1993
Fenhexamide	126833-17-8	090209	Not Likely To Be Carcinogenic To Humans.	3/4/1999
I CHIICAAHHUE	120033-17-8	030209	INOT LIKELY TO BE CATCHIOGETHE TO HUIHAHS.	J/ 4/ 1777

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CHEMICAL	CAS NO.	CODE	CANCER CLASSIFICATION	DATE
Fenitrothion	122-14-5	105901	Group EEvidence Of Non-Carcinogenicity For Humans.	7/13/1993
Fenoxaprop-ethyl	9015-56-9	128701	Suggestive Evidence Of Carcinogenic Potential.	7/29/2013
Fenoxaprop-p-ethyl (FPE)	71283-80-2	129092	See: Fenoxaprop-ethyl, (PC Code 128701).	
Fenoxycarb	72490-01-8	125301	Likely To Be Carcinogenic To Humans.	12/22/1997
Fenpicoxamid (XDE-777)	517875-34-2	082566	Suggestive Evidence Of Carcinogenic Potential.	8/24/2017
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		Group EEvidence Of Non-Carcinogenicity For Humans.	3/11/1996
Fenvalerate	51630-58-1		Group EEvidence Of Non-Carcinogenicity For Humans.	2/10/2003
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
			To Assess Human Carcinogenic Potential; Based On Ziram	
Ferbam	14484-64-1	034801	Studies.	4/6/2000
Fipronil	120068-37-3	129121	Group CPossible Human Carcinogen.	7/18/1995
Flazasulfuron	104040-78-0		Not Likely To Be Carcinogenic To Humans.	11/16/2005
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Flonicamid	158062-67-0	128016	To Assess Human Carcinogenic Potential.	2/24/2005
Florasulam	145701-23-1		Not Likely To Be Carcinogenic To Humans.	5/31/2007
Florpyrauxifen-benzyl	1390661-72-9		Not Likely To Be Carcinogenic To Humans.	6/1/2017
Fluazaindolizine	1254304-22-7		Not Likely To Be Carcinogenic To Humans.	7/15/2021
Fluazifop	69806-50-4	122805	Not Likely To Be Carcinogenic To Humans.	6/14/2004
Fluazifop-P-Butyl	79241-46-6		See: Fluazifop, (PC Code 122805).	, ,
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Fluazinam	79622-59-6	129098	To Assess Human Carcinogenic Potential.	3/29/2001
Flubendiamide	272451-65-7		Not Likely To Be Carcinogenic To Humans.	4/3/2008
Flucarbazone-sodium	181274-17-9		Not Likely To Be Carcinogenic To Humans.	7/19/2000
Fludioxonil	131341-86-1		Group DNot Classifiable As To Human Carcinogenicity.	9/19/1996
Fluensulfone	318290-98-1		Suggestive Evidence Of Carcinogenic Potential.	5/7/2014
Flufenacet (Thiaflumide)	142459-58-3		Not Likely To Be Carcinogenic To Humans.	7/16/1997
Flufenoxuron	101463-69-8		Not Likely To Be Carcinogenic To Humans.	8/15/2006
Flufenpyr-ethyl	188489-07-8		Not Likely To Be Carcinogenic To Humans.	6/8/2003
Fluindapyr	1383809-87-7	1	Not Likely To Be Carcinogenic To Humans.	10/27/2020
Flumethrin	69770-45-2		Not Likely To Be Carcinogenic To Humans.	3/6/2012
Flumetralin	62924-70-3		Not Likely To Be Carcinogenic To Humans.	6/21/2007
Flumetsulam (XRD-498)	98967-40-9		Group EEvidence Of Non-Carcinogenicity For Humans.	3/24/1993
Flumiclorac pentyl	87546-18-7	128724	Group EEvidence Of Non-Carcinogenicity For Humans.	9/7/1994
Flumioxazin	103361-09-7		Not Likely To Be Carcinogenic To Humans.	2/22/2001
Fluometuron	2164-17-2		Group CPossible Human Carcinogen.	8/28/1996
Fluopicolide	239110-15-7		Not Likely To Be Carcinogenic To Humans.	12/12/2006
Fluopyram	658066-35-4		Not Likely To Be Carcinogenic To Humans.	5/8/2014
Fluoxastrobin	361377-29-9		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
Flurenol-Methyl (CME minor	11=222 10 0		and the second s	-, -, - + - +
component 15-20%)	1216-44-0	098802	See: Chlorflurenol Methyl Ester, (PC Code 098801).	
Fluridone	59756-60-4		Group EEvidence Of Non-Carcinogenicity For Humans.	7/1/1985
Fluroxypyr	81406-37-3		Not Likely To Be Carcinogenic To Humans.	6/26/2003
Fluroxypyr acid	69377-81-7		See: Fluroxypyr, (PC Code 128968).	5, 25, 2505

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CHEMICAL	CAS NO.	CODE	CANCER CLASSIFICATION	DATE
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
Flutianil	958647-10-4	014018	Not Likely To Be Carcinogenic To Humans.	11/1/2017
Flutolanil	66332-96-5	128975	Group EEvidence Of Non-Carcinogenicity For Humans.	6/9/1994
Flutriafol	76674-21-0	128940	Not Likely To Be Carcinogenic To Humans.	6/1/2009
Fluxametamide	928783-29-3	080304	Suggestive Evidence Of Carcinogenic Potential.	12/11/2020
			Not Likely To Be Carcinogenic To Humans: Below A	
Fluxapyroxad	907204-31-3	138009	Defined Dose Range.	6/9/2011
			Not Likely To Be Carcinogenic To Humans: At Doses That	
			Do Not Cause An Irritation Response In The Mucosal	
Folpet	133-07-3	081601	Epithelium.	10/13/2010
Fomesafen	72178-02-0	123803	See: Fomesafen sodium, (PC Code 123802).	
Fomesafen sodium	108731-70-0	123802	Not Likely To Be Carcinogenic To Humans.	11/3/2005
Fonofos	944-22-9	041701	Group EEvidence Of Non-Carcinogenicity for Humans.	11/10/1993
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 EEvidence 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		Not Likely To Be Carcinogenic To Humans.	9/15/2003
Furfural	98-01-1		Likely To Be Carcinogenic To Humans.	2/6/2014
Furfuryl Alcohol	98-00-0		Likely to Be Carcinogenic to Humans.	2/6/2014
Furilazole (MON 13900)	121776-33-8		Likely To Be Carcinogenic To Humans.	10/15/1999
Furmecyclox	60568-05-0	122601	Group BProbable Human Carcinogen.	7/3/1985
G77 (Urea)			Not Required (Non-Food).	5/23/2018
Gamma Cyhalothrin	76703-62-3	128807	Not Likely To Be Carcinogenic To Humans.	3/1/2004
Gardona	22248-79-9		Group CPossible Human Carcinogen.	12/21/2016
Gentamicin	1403-66-3		See: Gentamicin Sulfate, (PC Code 006325).	, , .
Gentamicin Sulfate	1405-41-0		Not Likely To Be Carcinogenic To Humans.	3/21/2007
Glufosinate-ammonium	77182-82-2		Not Likely To Be Carcinogenic To Humans.	5/17/1999
Glutaraldehyde	111-30-8		Not Likely to Be Carcinogenic to Humans.	5/18/2006
Glycidol	556-52-5		Probably Carcinogenic to Humans (IARC Group 2A).	03/18/2022
Glyphosate	1071-83-6		Not Likely To Be Carcinogenic To Humans.	12/12/2017
GnRH	9034-40-6		Classification Not Available.	5/2/2019
Halauxifen-methyl	943831-98-9		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
Haloxyfop-methyl	69806-40-2		Group BProbable Human Carcinogen.	9/18/1989
Hexaconazole	79983-71-4	128925	Group CPossible Human Carcinogen.	1/21/1999
TTEXACOTIAZOTE	73363-71-4	021101; 068302; 068304;		1,21,1333
Hexavalent Chromium (CrVI)	18540-29-9		Likely to Be Carcinogenic to Humans.	7/1/2009
Hexazinone	51235-04-2		Group DNot Classifiable As To Human Carcinogenicity.	7/27/1994
Hexythiazox	78587-05-0		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		Group CPossible Human Carcinogen.	3/28/1991

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Hydrogen cyanamide	420-04-2	014002	Group CPossible Human Carcinogen.	9/15/1993
Hydrogen Cyanide	74-90-8	045801	See: Sodium Cyanide, (PC Code 074002).	
Hydroprene	41096-46-2	486300	Group DNot Classifiable As To Human Carcinogenicity.	6/8/1995
Hydroxyatrazine	2163-68-0	600803	Classification Not Available.	7/10/2018
Hymexazol	10004-44-1	129107	Not Likely To Be Carcinogenic To Humans.	12/3/2015
Imazalil	35554-44-0	111901	See: Imazalil Sulfate, (PC Code 111902).	
Imazalil sulfate	58594-72-2	111902	Likely To Be Carcinogenic To Humans.	7/5/2018
Imazamethabenz	81405-85-8	128842	Group DNot 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 EEvidence Of Non-Carcinogenicity For Humans.	9/27/1995
Imazapic, ammonium salt	104098-49-9	128943	See: Imazapic, (PC Code 129041).	
Imazapyr	81334-34-1		Group EEvidence Of Non-Carcinogenicity For Humans.	10/5/1995
Imazaquin Acid	81335-37-7		Not Likely To Be Carcinogenic To Humans.	10/31/2005
Imazaquin ammonium	81335-47-9		See: Imazaguin Acid, (PC Code 128848).	
Imazaquin Sodium	81335-46-8		See: Imazaquin Acid, (PC Code 128848).	
Imazethapyr	81335-77-5		Not Likely To Be Carcinogenic To Humans.	1/31/2002
Imazethapyr ammonium	101917-66-2		See: Imazethapyr, (PC Code 128922).	, , , , ,
Imazosulfuron	122548-33-8		Not Likely To Be Carcinogenic To Humans.	3/13/2009
Imidacloprid	105827-78-9	129099	· · · · · · · · · · · · · · · · · · ·	11/10/1993
Imiprothrin	72963-72-5		Not Required (Non-Food).	8/31/2016
Indaziflam	950782-86-2		Not Likely To Be Carcinogenic To Humans.	4/22/2010
Indoxacarb	173584-44-6		Not Likely To Be Carcinogenic To Humans.	7/17/2000
Inorganic Sulfites	270301110	007720	Sodium Metabisulfite Is Currently Not Classifiable (Group	7, 27, 2000
(Sodium Metabisulfite)	7681-57-4	111409	3) As To Its Carcinogenicity To Humans (IARC 1992).	3/23/2020
Inorganic Sulfites	7001 37 1	111105	Sulfur Dioxide Is Currently Not Classifiable (Group 3) As	3, 23, 2020
(Sulfur Dioxide)	7446-09-05	077601	To Its Carcinogenicity To Humans (IARC 1992).	3/23/2020
Inpyrfluxam		1	Not Likely To Be Carcinogenic To Humans.	7/1/2020
,			Not Likely To Be Carcinogenic To Humans: At Doses That	7, 2, 2020
Iodomethane	74-88-4	000011	Do Not Alter Rat Thyroid Hormone Homeostasis.	11/10/2005
Iodosulfuran	144550-36-7		Not Likely To Be Carcinogenic To Humans.	1/5/2004
Ipflufenoquin			Not Likely To Be Carcinogenic To Humans.	5/26/2021
Ipoconazole	125225-28-7		Not Likely To Be Carcinogenic To Humans.	5/28/2008
Iprodione	36734-19-7		Likely To Be Carcinogenic To Humans.	2/26/1998
Iprovalicarb	140923-17-7		Likely To Be Carcinogenic To Humans.	4/11/2002
Isofenphos	25311-71-1		Group EEvidence Of Non-Carcinogenicity For Humans.	1/13/1998
Isofetamid	875915-78-9		Not Likely To Be Carcinogenic To Humans.	9/24/2014
Isophorone	78-59-1		Group CPossible Human Carcinogen.	9/2/1999
Isoprothiolane	50512-35-1		Suggestive Evidence Of Carcinogenic Potential.	9/3/2021
Isopyrazam	881685-58-1		Likely To Be Carcinogenic To Humans.	2/2/2011
Isotianil	224049-04-1		Not Likely To Be Carcinogenic To Humans.	9/25/2011
Isoxaben	82558-50-7		Suggestive Evidence Of Carcinogenic Potential.	10/7/2008
Isoxadifen-ethyl	163520-33-0		Not Likely To Be Carcinogenic To Humans.	1/29/2001
Isoxaflutole	141112-29-0		Likely To Be Carcinogenic To Humans.	9/30/1997
Kasugamycin	6980-18-3		Not Likely To Be Carcinogenic To Humans.	8/17/2005
Kathon 886	55965-84-9		Group DNot Classifiable As To Human Carcinogenicity.	5/18/1995
KBR 3023	119515-38-7		Not Likely To Be Carcinogenic To Humans.	6/9/1999
Kresoxim-methyl	143390-89-0		Likely To Be Carcinogenic To Humans.	8/19/1999
KI ESUAIIII-IIIEUIYI	143330-03-0	123111	Likely To Be Carcinogenic To Humans: At High Doses; Not	0/ 13/ 1333
Lactofon	77501-63-4	120000	Likely To Be Carcinogenic To Humans At Low Doses, Not	10/17/2006
Lactofen	11301-03-4	120000	Likely 10 De Carcinogenic 10 Humans At LOW DOSES.	TO/ 1// 2000

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Lambda cyhalothrin	91465-08-6	128897	See: Gamma Cyhalothrin, (PC Code 128807).	
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Lindane	58-89-9		To Assess Human Carcinogenic Potential.	11/29/2001
Linuron	330-55-2	035506	Group CPossible Human Carcinogen.	11/20/2001
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Malathion	121-75-5		To Assess Human Carcinogenic Potential.	4/28/2000
Maleic hydrazide	123-33-1	051501	Group EEvidence Of Non-Carcinogenicity For Humans.	11/10/1993
Mancozeb	8018-01-7	014504	Group BProbable 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 BProbable 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
MCPA 2-EHE	29450-45-1	030564	See: MCPA + Salts, (PC Code 030501).	
MCPA DMA	2039-46-5	030516	See: MCPA + Salts, (PC Code 030501).	
MCPA Na	3653-48-3	030502	See: MCPA + Salts, (PC Code 030501).	
МСРВ	94-81-5	019201	Not Likely To Be Carcinogenic To Humans.	10/1/2008
MCPB Sodium Salt	6062-26-6	019202	See: MCPB, (PC Code 019201).	
MCPP-p potassium salt	66423-05-0	119046	See: Mecoprop-P (MCPP-p), (PC Code 129046).	
MCPP-p, DMA salt	66423-09-4	031520	See: Mecoprop-P (MCPP-p), (PC Code 129046).	
Mecoprop (MCPP)	7085-19-0	031501	See: Mecoprop-P (MCPP-p), (PC Code 129046).	
Mecoprop-				
dimethylammonium	32351-70-5	031519	See: Mecoprop-P (MCPP-p), (PC Code 129046).	
·			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Mecoprop-P (MCPP-p)	16484-77-8	129046	To Assess Human Carcinogenic Potential.	3/13/2003
Mecoprop-potassium	1929-86-8	031503	See: Mecoprop-P (MCPP-p) (PC Code 129046).	
Mefenoxam (Metalaxyl-M)	70630-17-0		See: Metalaxyl, (PC Code 113501).	
Mefentrifluconazole	1417782-03-6		Not Likely To Be Carcinogenic To Humans.	4/11/2019
Mefluidide	53780-34-0		Not Likely To Be Carcinogenic To Humans.	5/30/2007
Melamine	108-78-1		Group DNot Classifiable As To Human Carcinogenicity.	7/21/1993
Mepanipyrim	110235-47-7		Likely To Be Carcinogenic To Humans.	4/20/2004
Mepiquat	15302-91-7		See: Mepiquat Chloride, (PC Code 109101).	, -,
Mepiquat Chloride	24307-26-4		Not Likely To Be Carcinogenic To Humans.	2/19/2003
Mepiquat pentaborate	245735-90-4		See: Mepiquat Chloride, (PC Code 109101).	, -,
Meptyldinocap			(
(DE-126/Dinocap II)	131-72-6	036000	Group EEvidence Of Non-Carcinogenicity For Humans.	3/17/2009
Mercaptobenzothiazole, 2-	149-30-4		Group CPossible Human Carcinogen.	11/19/1992
Mesosulfuron methyl	208465-21-8		Not Likely To Be Carcinogenic To Humans.	3/4/2004
Mesotrione	104206-82-8		Not Likely To Be Carcinogenic To Humans.	4/12/2001
Metaflumizone	139968-49-3		Not Likely To Be Carcinogenic To Humans.	1/24/2006
Metaflumizone (Z isomer)	139970-56-2		See: Metaflumizone, (PC Code 281250).	1,21,2000
Metalaxyl	57837-19-1		Group EEvidence Of Non-Carcinogenicity for Humans.	4/20/1994
Metaldehyde	108-62-3		Suggestive Evidence Of Carcinogenic Potential.	6/23/2005
Metam Potassium	137-41-7		See: Metam Sodium, (PC Code 039003).	5/ 23/ 2003
Metam sodium	137-41-7	039002	Likely To Be Carcinogenic To Humans.	5/14/2009
Metconazole	125116-23-6		Not Likely To Be Carcinogenic To Humans.	4/14/2009
Methamidophos Methidathian	10265-92-6		Not Likely To Be Carcinogenic To Humans.	2/12/1998
Methidathion	950-37-8	100301	Group CPossible Human Carcinogen.	2/19/1988

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Methiocarb	2032-65-7		Group DNot Classifiable As To Human Carcinogenicity.	3/2/1993
Methiozolin	403640-27-7		Not Required (Non-Food).	5/30/2019
Methomyl	16752-77-5	090301	Group EEvidence Of Non-Carcinogenicity For Humans.	12/12/2018
Methoxyfenozide	161050-58-4	121027	Not Likely To Be Carcinogenic To Humans.	7/1/1999
Methyl bromide	74-83-9		Not Likely To Be Carcinogenic To Humans.	6/20/2001
Methyl isothiocyanate (MITC)	6317-18-6		Likely to be Carcinogenic to Humans.	3/5/2021
Methyl parathion	298-00-0		Not Likely To Be Carcinogenic To Humans.	12/1/1997
Metiram	9006-42-2		Group BProbable Human Carcinogen.	7/7/1999
			Not Likely To Be Carcinogenic To Humans: At Doses That	
Metofluthrin	240494-70-6	109709	Do Not Cause A Mitogenic Response In The Liver.	7/26/2007
Metolachlor	51218-45-2	108801	Not Likely To Be Carcinogenic To Humans.	11/6/2017
Metrafenone	220899-03-6	000325	Suggestive Evidence Of Carcinogenic Potential.	7/6/2006
Metribuzin	21087-64-9	101101	Group DNot 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		Not Likely To Be Carcinogenic To Humans.	5/17/2000
MGK 264	113-48-4	057001		6/7/1995
Mineral oil - (includes paraffin		007002	or out of the man control of the	0, 1, 2000
oil from 063503)	8012-95-1	063502	See: Aliphatic petroleum solvent, (PC Code 063503).	
Mineral oil, refined	64742-56-9	1	See: Aliphatic petroleum solvent, (PC Code 063503).	
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Molinate	2212-67-1	041402	To Assess Human Carcinogenic Potential.	12/14/2000
Momfluorothrin	609346-29-4	016331	Not Likely To Be Carcinogenic To Humans.	12/2/2014
MON 4660	71526-07-3		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 EEvidence Of Non-Carcinogenicity For Humans.	6/16/1994
NAA	86-87-3		See: NAA ethyl ester, (PC Code 056008).	
NAA acetamide	86-86-2		See: NAA ethyl ester, (PC Code 056008).	
NAA ammonium salt	25545-89-5		See: NAA ethyl ester, (PC Code 056008).	
NAA ethyl ester	2122-70-5		Not Likely To Be Carcinogenic To Humans.	12/16/2019
NAA potassium salt	15165-79-4	1	See: NAA ethyl ester, (PC Code 056008).	12/10/2013
NAA sodium salt	61-31-4		See: NAA ethyl ester, (PC Code 056008).	
Naled	300-76-5		Group EEvidence Of Non-Carcinogenicity For Humans.	8/31/1994
			Classification Not Available.	
Naphthalene	91-20-3			12/26/2018
Napropamide	15299-99-7		Not Likely To Be Carcinogenic To Humans.	7/7/2005
Naptalam Sodium Salt	132-67-2		Group DNot Classifiable As To Human Carcinogenicity.	9/7/1994
Nicarbazin	330-95-0		Not Likely To Be Carcinogenic To Humans.	12/2/2015
Nicosulfuron	111991-09-4	129008	Group EEvidence Of Non-Carcinogenicity For Humans.	9/1/1998
			Not Likely To Be Carcinogenic To Humans: At Doses That	
Nitramuria	1020 82 4	060303	Do Not Result In CAR Activation As Indicated By Cyp2b10	E /0/2010
Nitrapyrin	1929-82-4		Expression.	5/8/2018
Norflurazon	27314-13-2		Group CPossible Human Carcinogen.	11/2/1990
			,	
Novaluron Noviflumuron	116714-46-6 121451-02-3		Not Likely To Be Carcinogenic To Humans. Likely To Be Carcinogenic To Humans.	2/4/2004 10/17/2017

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		CODE	Not Likely To Be Carcinogenic To Humans: Quantification	DATE
			Of Cancer Risk Is Not Required Since The NOAEL Selected	
			For The Chronic RfD Would Address The Concerns For	
			The Precursor Events Leading To Development Of	
Orthophenylphenol	90-43-7	064103	Bladder And Liver Tumors.	10/12/2005
Orthophenylphenol, Sodium	30 43 7	004103	Biddel Alid Liver Talliors.	10/12/2003
salt	132-27-4	064104	See: Orthophenylphenol, (PC Code 064103).	
Orthosulfamuron	213464-77-8		Suggestive Evidence Of Carcinogenic Potential.	10/26/2006
Oryzalin	19044-88-3		Likely To Be Carcinogenic To Humans.	6/25/2003
Oxadiazon	19666-30-9		Likely To Be Carcinogenic To Humans.	5/1/2001
Oxadixyl	77732-09-3		Group CPossible Human Carcinogen.	1/4/1989
Oxamyl	23135-22-0		Group EEvidence Of Non-Carcinogenicity For Humans.	11/5/1996
Oxathiapiprolin			Not Likely To Be Carcinogenic To Humans.	6/25/2015
Oxycarboxin	5259-88-1		See: Carboxin, (PC Code 090201).	
Oxydemeton-methyl	301-12-2		Not Likely To Be Carcinogenic To Humans.	7/24/1997
Oxyfluorfen	42874-03-3		Likely To Be Carcinogenic To Humans.	4/20/2010
Oxytetracycline	79-57-2		Group DNot Classifiable As To Human Carcinogenicity.	12/18/1992
Oxytetracycline Calcium	7179-50-2		See: Oxytetracycline, (PC Code 006304).	
Oxytetracycline Hydrochloride	2058-46-0	006308	See: Oxytetracycline, (PC Code 006304).	
Oxythioquinox	2439-01-2	054101	Group BProbable Human Carcinogen.	2/15/1996
Paclobutrazol	76738-62-0	125601	Group DNot Classifiable As To Human Carcinogenicity.	6/23/1994
Paradichlorobenzene	106-46-7	061501	Not Likely To Be Carcinogenic To Humans.	6/5/2007
Paraformaldehyde	30525-89-4	043002	Group BProbable Human Carcinogen.	9/24/2008
Paranitrophenol	100-02-7	056301	Group DNot Classifiable As To Human Carcinogenicity.	5/14/1996
Paraquat dichloride	1910-42-5	061601	Group EEvidence Of Non-Carcinogenicity For Humans.	4/19/2000
Parathion, ethyl-	56-38-2	057501	Group CPossible 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 CPossible Human Carcinogen.	7/24/1992
Penflufen	494793-67-8	100249	Suggestive Evidence Of Carcinogenic Potential.	3/30/2011
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Penoxulam	219714-96-2	119031	To Assess Human Carcinogenic Potential.	3/24/2004
Pentachloronitrobenzene				
(PCNB)	82-68-8	056502	Group CPossible Human Carcinogen.	12/18/1992
Pentachlorophenol	87-86-5	063001	Group BProbable Human Carcinogen.	1/3/1991
Penthiopyrad	183675-82-3		Suggestive Evidence Of Carcinogenic Potential.	10/18/2011
Permethrin	52645-53-1		Suggestive Evidence Of Carcinogenic Potential.	1/13/2020
Pethoxamid	106700-29-2		Suggestive Evidence Of Carcinogenic Potential.	4/15/2019
Phenmedipham	13684-63-4	098701	Group DNot Classifiable As To Human Carcinogenicity.	4/28/1993
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
PHMB	32289-58-0		To Assess Human Carcinogenic Potential.	7/16/2003
Phorate	298-02-2		Group EEvidence Of Non-Carcinogenicity For Humans.	12/30/1993
Phosalone	2310-17-0	097701	Not Likely To Be Carcinogenic To Humans.	8/12/1999
	700 11 6	050006	Suggestive Evidence Of Carcinogenicity, But Not Sufficient	40/07/1005
Phosmet	732-11-6		To Assess Human Carcinogenic Potential.	10/27/1999
Phosphamidon	13171-21-6		Group CPossible Human Carcinogen.	5/31/1989
Phostebupirim	96182-53-5		Group EEvidence Of Non-Carcinogenicity For Humans.	4/27/1993
Picarbutrazox	500207-04-5		Suggestive Evidence Of Carcinogenic Potential.	12/18/2020
Picloram	1918-02-1		Group EEvidence Of Non-Carcinogenicity For Humans.	2/10/1989
Picloram Ethylhexyl Ester	26952-20-5	005103	See: Picloram, (PC Code 005101).	

CHEMICAL	CAS NO.	PC	CANCER CLASSIFICATION	REPORT
	CAS ITO.	CODE	CANCER CEASSIFICATION	DATE
Picloram Potassium Salt	2545-60-0	005104	See: Picloram, (PC Code 005101).	
Picloram Triisopropanolamine				
Salt	6753-47-5		See: Picloram, (PC Code 005101).	
Picoxystrobin	117428-22-5	129200	Suggestive Evidence Of Carcinogenic Potential.	11/15/2011
D: 1	242072 20 0	4.475.00	Data Are Inadequate For An Assessment Of Human	5 /4 0 /2005
Pinoxaden	243973-20-8		Carcinogenic Potential.	5/18/2005
Piperonyl butoxide	51-03-6		Group CPossible Human Carcinogen.	6/7/1995
Pirimicarb	23103-98-2		Likely To Be Carcinogenic To Humans.	7/13/2005
Pirimiphos-methyl	29232-93-7	108102	Cannot Be Determined.	1/29/1998
Dalum aria Dataina	214710 24 6	102670	Data Are Inadequate for an Assessment of Human	10/2/2006
Polymeric Betaine	214710-34-6	103679	Carcinogenic Potential. See: Hexavalent Chromium (CrVI)., (PC Codes 021101;	10/3/2006
Potassium dichromate	7778-50-9	068303	068302; 068304; 068306).	
Potassium Mefluidide	83601-83-6		See: Mefluidide, (PC Code 114001).	
Prallethrin	23031-36-9		Not Likely To Be Carcinogenic To Humans.	6/27/2003
Primisulfuron-methyl	86209-51-0		Group DNot Classifiable As To Human Carcinogenicity.	5/3/1990
Prochloraz	67747-09-5		Group CPossible Human Carcinogen.	7/1/1988
Procymidone	32809-16-8		Group BProbable Human Carcinogen.	4/5/1991
Prodiamine	29091-21-2		Group CPossible Human Carcinogen.	6/10/1991
Profenofos	41198-08-7		Group EEvidence Of Non-Carcinogenicity For Humans.	2/6/1996
Prohexadione	127277-53-6		Not Likely To Be Carcinogenic To Humans.	4/14/2000
Prometon	1610-18-0		Group DNot Classifiable As To Human Carcinogenicity.	11/25/1992
Prometryn	7287-19-6		Group EEvidence Of Non-Carcinogenicity For Humans.	7/26/1994
Pronamide	23950-58-5		Not Likely To Be Carcinogenic To Humans.	12/2/2014
Propachlor	1918-16-7		Likely To Be Carcinogenic To Humans.	10/16/1997
Propamocarb	24579-73-5		See: Propamocarb hydrochloride, (PC Code 119302).	10/10/1337
Propamocarb hydrochloride	25606-41-1		Not Likely To Be Carcinogenic To Humans.	5/31/2000
, ropanicoan a nyanosimoniac			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	0,02,200
Propanil	709-98-8	028201	To Assess Human Carcinogenic Potential.	6/19/2001
Propargite	2312-35-8		Group BProbable Human Carcinogen.	7/23/1992
Propazine	139-40-2		Not Likely To Be Carcinogenic To Humans.	12/8/2005
Propetamphos	31218-83-4		Not Likely To Be Carcinogenic To Humans.	10/31/1998
Propiconazole	60207-90-1		Group CPossible Human Carcinogen.	9/11/1992
Propineb	12071-83-9		Likely to Be Carcinogenic to Humans.	2/11/2013
Propoxur	114-26-1		Group BProbable Human Carcinogen.	6/17/1996
Propoxycarbazone-Sodium	181274-15-7	122019	Not Likely To Be Carcinogenic To Humans.	4/6/2004
Propylene chlorohydiin				
(PCH-1)	127-00-4	600500	Not Likely To Be Carcinogenic To Humans.	9/17/2020
Propylene chlorohydiin				
(PCH-2)	78-89-7	600501	See: Propylene chlorohydiin (PCH-1), (PC Code 600500).	
Propylene Oxide	75-56-9	042501	Group BProbable Human Carcinogen.	7/31/2006
Proquinazid	189278-12-4	044502	Suggestive Evidence Of Carcinogenic Potential.	4/24/2013
			Data Are Inadequate For An Assessment Of Human	
Prosulfuron	94125-34-5	129031	Carcinogenic Potential.	1/24/2000
Prothioconazole	178928-70-6	113961	Not Likely To Be Carcinogenic To Humans.	12/31/2007
Pydiflumetofen	1228284-64-7	090110	Not Likely To Be Carcinogenic To Humans.	12/13/2017
Pyflubumide	926914-55-8	106111	Suggestive Evidence Of Carcinogenic Potential.	8/5/2021
Pymetrozine	123312-89-0	101103	Likely To Be Carcinogenic To Humans.	9/22/1999
Pyraclonil	158353-15-2	104502	Likely To Be Carcinogenic To Humans.	10/25/2021

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Pyraclostrobin	175013-18-0		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		Suggestive Evidence Of Carcinogenic Potential.	5/17/2007
•				
Pyraziflumid	942515-63-1		Suggestive Evidence Of Carcinogenic Potential.	7/12/2021
Pyrazon	1698-60-8	069601	Not Likely To Be Carcinogenic To Humans.	7/28/2005
Down a the using a	0002 24 7	000001	Not Likely To Be Carcinogenic To Humans: At Doses That	2/44/2000
Pyrethrins	8003-34-7		Do Not Cause A Mitogenic Response In The Liver.	2/14/2008
Pyridaben	96489-71-3		Group EEvidence Of Non-Carcinogenicity For Humans.	5/11/1994
Pyridalyl	179101-81-6		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
			Not Likely To Be Carcinogenic To Humans: At Levels That	
Pyrifluquinazon	337458-27-2	555555	Do Not Alter Rodent Hormone Homeostasis.	6/21/2012
			Not Likely To Be Carcinogenic To Humans: At Doses That	
Pyrimethanil	53112-28-0	288201	Do Not Alter Rat Thyroid Hormone Homeostasis.	1/3/2012
Pyriofenone	688046-61-9	028828	Not Likely To Be Carcinogenic To Humans.	12/14/2011
Pyriproxyfen	95737-68-1	129032	Group EEvidence Of Non-Carcinogenicity For Humans.	8/15/1995
Pyrithiobac-sodium	123343-16-8	078905	Group CPossible Human Carcinogen.	9/5/1995
_			Not Likely To Be Carcinogenic To Humans: At Doses That	
			Do Not Cause Urinary Bladder Calculi Formation	
Pyroxasulfone	447399-55-5	090099	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 DNot 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	See: Quizalofop-P-ethyl, (PC Code 128709).	
Quizalofop-P-ethyl	100646-51-3	128709	Group DNot 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 EEvidence 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
S-Bioallethrin	28434-00-6	004004	See: Bioallethrin (D-trans Allethrin), (PC Code 004003).	
Sedaxane	874967-67-6	129223	Suggestive Evidence Of Carcinogenic Potential.	5/4/2017
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	See: Metolachlor, (PC Code 108801).	
Sodium bentazon	50723-80-3	103901	See: Bentazon, (PC Code 275200).	
Sodium Borate Pentahydrate	11130-12-4	011111	See: Boric acid, (PC Code 011001).	
Sodium Chlorate	7775-09-9	073301	Not Likely To Be Carcinogenic To Humans.	2/16/2021
Sodium Cyanide	143-33-9	074002	Classification Not Available.	9/18/2018
			See: Hexavalent Chromium (CrVI)., (PC Codes 021101;	
Sodium dichromate	10588-01-9	068304	068302; 068304; 068306).	
Sodium Fluoroacetate	62-74-8	075003	Not Required (Non-Food).	9/20/2018
Sodium Metaborate	7775-19-1	011104	See: Boric acid, (PC Code 011001).	
Sodium omadine	15922-78-8	088004	Group DNot Classifiable As To Human Carcinogenicity.	5/16/1995
Sodium Tetraborate				
Anhydrous	1330-43-4	011112	See: Boric acid, (PC Code 011001).	
Sodium Tetraborate				
Pentahydrate	12179-04-3	011110	See: Boric acid, (PC Code 011001).	
Solatenol	1072957-71-1	122305	Suggestive Evidence Of Carcinogenic Potential.	9/30/2014

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	187166-40-1 +			
Spinetoram	187166-15-0	110008	Not Likely To Be Carcinogenic To Humans.	9/20/2007
Spinetoram (a mixture of				
Spinetoram-J and Spinetoram-L)	935545-74-7	110007	See: Spinetoram, (PC Code 110008).	
Spinetoram (minor component				
(4-methyl))	187166-15-0		See: Spinetoram, (PC Code 110008).	
Spinosad	131929-60-7		Not Likely To Be Carcinogenic To Humans.	7/18/2002
Spirodiclofen	148477-71-8		Likely To Be Carcinogenic To Humans.	6/10/2004
Spiromesifen	283594-90-1		Not Likely To Be Carcinogenic To Humans.	5/21/2008
Spiropidion (044203)			Not Likely To Be Carcinogenic To Humans.	6/17/2022
Spirotetramat	203313-25-1		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
Starlicide	7745-89-3	009901	Not Required (Non-Food).	7/17/2018
Streptomycin	57-92-1	006306	Classification Not Available.	12/12/2017
Streptomycin Sesquisulfate	3810-74-0	006310	See: Streptomycin, (PC Code 006306).	
Strychnine	57-24-9	076901	Classification Not Available.	3/18/2020
Sulfentrazone	122836-35-5	129081	Group EEvidence Of Non-Carcinogenicity For Humans.	5/7/1996
Sulfometuron Methyl	74222-97-2	122001	Not Likely To Be Carcinogenic To Humans.	9/15/2015
Sulfosate	81591-81-3	128501	Group EEvidence Of Non-Carcinogenicity For Humans.	7/26/1994
			Not Likely To Be Carcinogenic To Humans: At Doses That	
			Do Not Cause Urinary Bladder Calculi Formation	
Sulfosulfuron	141776-32-1	085601	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 EEvidence 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 CPossible Human Carcinogen.	8/28/1996
Tebuconazole	107534-96-3	128997	Group CPossible Human Carcinogen.	9/15/1993
Tebufenozide	112410-23-8	129026	Group EEvidence Of Non-Carcinogenicity For Humans.	8/29/1994
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Tebufenpyrad	119168-77-3	090102	To Assess Human Carcinogenic Potential.	7/15/2002
Tebuthiuron	34014-18-1	105501	Group DNot Classifiable As To Human Carcinogenicity.	3/1/1993
Teflubenzuron	83121-18-0	129048	Suggestive Evidence Of Carcinogenic Potential.	7/1/2015
Tefluthrin	79538-32-2	128912	Not Likely To Be Carcinogenic To Humans.	5/30/2012
Telone	542-75-6	029001	Suggestive Evidence Of Carcinogenic Potential.	9/26/2019
Tembotrione	335104-84-2	012801	Suggestive Evidence Of Carcinogenic Potential.	5/22/2007
			Data Are Inadequate For An Assessment Of Human	
Tepraloxydim	149979-41-9	121005	Carcinogenic Potential.	2/27/2001
Terbacil	5902-51-2	012701	Group EEvidence Of Non-Carcinogenicity For Humans.	9/30/1994
Terbufos	13071-79-9	105001	Group EEvidence Of Non-Carcinogenicity For Humans.	3/9/1994
Terbuthylazine	5915-41-3		Group DNot Classifiable As To Human Carcinogenicity.	8/24/1994
Terbutryn	886-50-0	080813	Group CPossible Human Carcinogen.	3/3/1988
Terrazole	2593-15-9		Likely To Be Carcinogenic To Humans.	4/4/2019
Tetrachlorvinphos	961-11-5		See: Gardona, (PC Code 083702).	
·			Not Likely To Be Carcinogenic To Humans: At Doses That	
Tetraconazole	112281-77-3	120603	Do Not Cause A Mitogenic Response In The Liver.	4/2/2013
Tetramethrin	7696-12-0		Group CPossible Human Carcinogen.	12/11/1989
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Likely To Be Carcinogenic To Humans: At High Doses; Not 18/8/2002	CHEMICAL	CAS NO.		CANCER CLASSIFICATION	
Thiabendazole hypophosphite 28558-32-9 060101 Likely To Be Carcinogenic To Humans At Low Doses. 3/8/2002 Thiabendazole hypophosphite 28558-32-9 060109 See: Thiabendazole, (PC Code 060101). Thiacloprid 111988-49-9 014019 Likely To Be Carcinogenic To Humans. 10/31/201 Thiabendazole young for the company of the property of the propert				Likely To Be Carcinogenic To Humans: At High Doses; Not	
Thiabendazole hypophosphite 2858-32-9 060102 See: Thiabendazole, (PC Code 060101). Thiadnerthoxam 11398-49-9 014019 Likely To Be Carcinogenic To Humans. 10/31/2015 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 To Humans. 8/31/2005 Thidiazuron 51707-55-2 129101 Suggestive Evidence Of Carcinogenic To Humans: At Doses That Do Not Cause Urrinary Bladder Calculi Formation Not Likely To Be Carcinogenic To Humans: At Doses That Do Not Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Thiodocarb Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Machine To Not Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Machine To Not Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Machine To Not Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Machine To Not Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Machine To Not Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Machine To Not Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Machine To Not Cause Urrinary Bladder Calculi Formation 12/2/2/2008 See: Machine To Humans 12/12/2/2008 See: Machine To Humans 13/2-6-8 079801 Not Likely To Be Carcinogenic To Humans 14/14/2/2003 Tlace 12/2/2018 See: Machine To Humans 14/14/2/2003 Not Likely To Be Carcinogenic To Humans 14/14/2/2003 Not Alter Rat Thyroid Hormone Homeostasis 14/18/2007 Not Alter Rat Thyroid Hormone Homeostasis 14/18/2009 Not Alter Rat Thyroid Hormone Homeostasis 14/18/2	Thiabendazole	148-79-8	060101		3/8/2002
Thiamethoxam	Thiabendazole hypophosphite	28558-32-9		·	
Thiazopyr (MON 13200)	Thiacloprid	111988-49-9	014019	Likely To Be Carcinogenic To Humans.	10/31/2012
Thiodiazuron	Thiamethoxam	153719-23-4	060109	Not Likely To Be Carcinogenic To Humans.	6/13/2005
Not Likely To Be Carcinogenic To Humans: At Doses That bose That Dispersion Not Cause Urinary Bladder Calculi Formation 1584	Thiazopyr (MON 13200)	117718-60-2	129100	Suggestive Evidence Of Carcinogenic Potential.	12/6/2007
Do Not Cause Urinary Bladder Calculi Formation 2/29/2008 Thiencarbazone-methyl 7977-27-3 128845 Not Likely To Be Carcinogenic To Humans. 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2008 12/12/2009	Thidiazuron	51707-55-2	120301	Not Likely To Be Carcinogenic To Humans.	8/31/2005
Thiencarbazone-methy 317815-83-1 015804 Resulting In Cellular Damage Of The Urinary Tract. 2/29/2008 Thisfensulfuron methy 79277-27-3 128845 Not Likely To Be Carcinogenic To Humans. 2/12/2000 10/10/1996 10/10/199				Not Likely To Be Carcinogenic To Humans: At Doses That	
Thichensulfuron methyl 79277-27-3 128845 Not Likely To Be Carcinogenic To Humans. 12/12/200 Thiobencarh (Bolero) 28249-77-6 108401 Group DNot Classifiable As To Human Carcinogenicity. 9/15/1994 Thiodicarb 59669-26-0 114501 See: Methomyl. (PC Code 090301). Thiophanate-methyl 23564-05-8 102001 Likely To Be Carcinogenic To Humans. 8/24/1999 14/42/003 Not Likely To Be Carcinogenic To Humans. 4/14/2003 Not Likely To Be Carcinogenic To Humans. 6/3/2010 Not Likely To Be Carcinogenic To Humans. 6/18/2002 Not Likely To Be Carcinogenic To Humans. Not Likely To Be Carcinogenic To Humans. 6/18/2002 Not Likely To Be Carcinogenic To Humans. No				Do Not Cause Urinary Bladder Calculi Formation	
Thiobencarb (Bolero) 28249-77-6 108401 Group D-Not Classifiable As To Human Carcinogenicity. 6/10/1996 7hiocyclam hydrogen oxalate 31895-22-4 128868 Group D-Not Classifiable As To Human Carcinogenicity. 9/15/1994 7hiocyclam hydrogen oxalate 59669-26-0 114501	Thiencarbazone-methyl	317815-83-1	015804	Resulting In Cellular Damage Of The Urinary Tract.	2/29/2008
Thiocyclam hydrogen oxalate 31895-22-4 128868 Group D-Not Classifiable As To Human Carcinogenicity. 9/15/1994 Thiodicarb 59669-26-0 114501 See: Methomyl, (PC Code 090301). See: Methomyl, (PC Code 090301). 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 Tioxazafen (MON 102100) 330459-31-9 074752 Not Likely To Be Carcinogenic To Humans. 9/5/2019 Toloclofos-methyl 57018-04-9 128905 Not Required (Non-Food). 3/22/2012 Tolfenpyrad 129558-76-5 090111 Not Likely To Be Carcinogenic To Humans. 6/3/2010 129014 Tolyfluanid 731-27-1 309200 Likely To Be Carcinogenic To Humans. 6/3/2010 Not Likely To Be Carcinogenic To Humans. 6/3/2010 Tolyfluanid 731-27-1 309200 Likely To Be Carcinogenic To Humans. 6/3/2002 Not Likely To Be Carcinogenic Potential. 1/18/2017 Tolyfluanid 731-27-1 309200 Likely To Be Carcinogenic To Humans. 4/18/2017 Not Likely To Be Carcinogenic Potential. 6/30/2004 Transfluthrin 118712-89-3 129140 Not Required (Non-Food). 6/1/2018 Triadimenol 55219-65-3 127201 Group CPossible Human Carcinogen. 1/29/1988 Triallate 2303-17-5 078802 Group EEvidence Of Non-Carcinogenicity For Humans. 1/29/1988 Triallate 2303-17-5 078802 Group EEvidence Of Non-Carcinogenicity For Humans. 1/21/1997 1/21/2018 1	Thifensulfuron methyl	79277-27-3	128845	Not Likely To Be Carcinogenic To Humans.	12/12/2006
Thiodicarb 59669-26-0 114501 See: Methomyl, (PC Code 090301).	Thiobencarb (Bolero)	28249-77-6	108401	Group DNot Classifiable As To Human Carcinogenicity.	6/10/1996
Thiophanate-methyl	Thiocyclam hydrogen oxalate	31895-22-4	128868	Group DNot Classifiable As To Human Carcinogenicity.	9/15/1994
Thiram	Thiodicarb	59669-26-0	114501	See: Methomyl, (PC Code 090301).	
Tiafenacil 1220411-29-9 012311 Not Likely To Be Carcinogenic To Humans. 7/13/2020 Tioxazafen (MON 102100) 330459-31-9 074752 Not Likely To Be Carcinogenic To Humans. 9/5/2019 Tolfcofors-methyl 57018-04-9 128905 Not Required (Non-Food). 3/22/2012 Tolfenpyrad 12958-76-5 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 Do Not Alter Rat Thyroid Hormone Homeostasis. 5/19/2005 Tralkoxydim 87820-88-0 121000 To Assess Human Carcinogenic Potential. 6/30/2004 Transfluthrin 118712-89-3 129140 Not Required (Non-Food). 6/1/2018 Triadimenol 43121-43-3 109901 Group CPossible Human Carcinogen. 1/29/1988 Triadimenol 55219-65-3 127201 Group CPossible Human Carcinogen. 1/29/1988 Triasuffuron 82097-50-5 128969 Group CPossible Human Carcinogenic Ty For Humans. 7/10/1998 <td< td=""><td>Thiophanate-methyl</td><td>23564-05-8</td><td>102001</td><td>Likely To Be Carcinogenic To Humans.</td><td>8/24/1999</td></td<>	Thiophanate-methyl	23564-05-8	102001	Likely To Be Carcinogenic To Humans.	8/24/1999
Tioxazafen (MON 102100) 330459-31-9 074752 Not Likely To Be Carcinogenic To Humans. 9/5/2019 Tolclofos-methyl 57018-04-9 128905 Not Required (Non-Food). 3/22/2012 3	Thiram	137-26-8	079801	Not Likely To Be Carcinogenic To Humans.	4/14/2003
Tolclofos-methyl	Tiafenacil	1220411-29-9	012311	Not Likely To Be Carcinogenic To Humans.	7/13/2020
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Triclopyr choline salt 1048373-85-8 116000 See: Triclopyr, (PC Code 116001).	Triclopyr	55335-06-3			5/9/1996
Triclopyr choline salt 1048373-85-8 116000 See: Triclopyr, (PC Code 116001).	Triclopyr BEE	64700-56-7	116004	See: Triclopyr, (PC Code 116001).	
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Triclosan 3380-34-5 054901 Not Likely To Be Carcinogenic To Humans. 1/4/2008					1/4/2008
Tricyclazole 41814-78-2 120201 Not Likely To Be Carcinogenic To Humans. 4/1/2014				i ·	
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	•				7/22/2003

CHEMICAL	CAS NO.	PC	CANCED CLASSIFICATION	REPORT
CHEMICAL	CAS NO.	CODE	CANCER CLASSIFICATION	DATE
Trifludimoxazin	1258836-72-4	080800	Suggestive Evidence Of Carcinogenic Potential.	11/30/2020
			Not Likely To Be Carcinogenic To Humans: At Dose Levels	
			That Do Not Cause A Significant Induction In CYP2B	
Triflumezopyrim	1263133-33-0	129210	Enzyme Activity.	8/10/2017
Triflumizole	68694-11-1	128879	Group EEvidence Of Non-Carcinogenicity For Humans.	8/10/1993
Trifluralin	1582-09-8	036101	Group CPossible Human Carcinogen.	4/11/1986
Triflusulfuron-methyl	126535-15-7	129002	Group CPossible Human Carcinogen.	5/28/1996
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Triforine	26644-46-2	107901	To Assess Human Carcinogenic Potential.	6/29/2004
Trinexapac-Ethyl	95266-40-3	112602	Not Likely To Be Carcinogenic To Humans.	9/5/2008
Triphenyltin hydroxide (TPTH)	76-87-9	083601	Group BProbable Human Carcinogen.	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 BProbable Human Carcinogen.	7/26/1991
UMP-488 (PAL 6000)	111578-32-6	129025	Group EEvidence Of Non-Carcinogenicity for Humans.	5/6/1994
Uniconazole	83657-22-1	128976	Group CPossible Human Carcinogen.	10/11/1990
Uniconazole-P	83657-17-4	138976	See: Uniconazole, (PC Code 128976).	
Valifenalate	283159-90-0	128200	Not Likely To Be Carcinogenic To Humans.	5/2/2019
Vinclozolin	50471-44-8	113201	Group CPossible Human Carcinogen.	6/17/1985
White mineral oil (from				
063502)	8042-47-5	063510	See: Aliphatic petroleum solvent, (PC Code 063503).	
Xylene (dimethyl-benzene)	1330-20-7	086802	Not Likely To Be Carcinogenic To Humans.	3/6/2009
Zeta-Cypermethrin	52315-07-8	129064	See: Cypermethrin (PC Code 109702).	
Zinc phosphide	1314-84-7	088601	Classification Not Available.	9/21/2020
			Suggestive Evidence Of Carcinogenicity, But Not Sufficient	
Ziram	137-30-4	034805	To Assess Human Carcinogenic Potential.	2/6/2003
Zoxamide	156052-68-5	101702	Not Likely To Be Carcinogenic To Humans.	2/7/2001