

Gateway on Pesticide Hazards and Safe Pest Management

How To Find Ingredients in Pesticide Products

Beyond Pesticides offers resources below to evaluate the health and ecological effects of specific chemical exposure from [ACTIVE INGREDIENTS](#) in pesticide products, as well as regulatory information and supporting scientific documents. Because various pesticide products can contain more than one active ingredient, it is important to **READ the LABEL** to determine chemical components.



Alamy/Jim McDowall

With **192** different active ingredients and counting, it is essential to establish the connection between the use of these chemicals and their respective hazards.

View the step-by-step guide on how to search for the active ingredient(s) in pesticide products below:

1. Go to U.S. EPA's [Pesticide Product and Label System](#) and enter the product name. *The generic product name may vary.*

Pesticide Product and Label System

The Pesticide Product and Label System (PPLS) provides a collection of [pesticide product labels \(Adobe PDF format\)](#) that have been accepted by EPA under [Section 3 of the Federal Insecticide, Fungicide, and Rodenticide Act \(FIFRA\)](#). New labels were added to PPLS on December 01, 2021.

[f.i More](#)

EPA Registration, Distributor Product, or Special Local Need Number:

The EPA Registration Number (EPA Reg. No.) appears on the label of all registered pesticides sold in the United States. To search for a particular Section 3 registration, enter the entire registration number (including the hyphen with no leading zeroes (i.e. 123456-12345), enter just the company number (the first set of digits before the hyphen) to search for all products related to that company (i.e. 123456)...

[f.i More](#)

Product or Alternative Brand Name:

 may vary, so if you don't find the product you are looking for, try the [EPA Registration Number Search above](#).

Company Name:

Enter the name of the company. Some companies may have several divisions that manufacture and market pesticides products. You can select among these divisions using the drop-down list or choose the root of the company name (e.g., "Bayer" or "3M") to see products associated with all the divisions.

Company Number:

Enter the company number. Please use digits without a dash.

Chemical Name (Active Ingredients):

Enter the name of the chemical (Active Ingredients only) you are interested in. Because there are many naming conventions for chemicals, you can enter the common chemical name of the chemical or other variants, including scientific names or partial names. This search function will help guide you to products that contain that active ingredient.

CAS Number or PC Code:

Enter the CAS Number or PC Code you are interested in.

[Information for Webmasters.](#)

- After searching, click on the chemical ingredients tab or the link for the most recent label to find Active Ingredients.

Chemical List

Label List

Details for RD 1686 HERBICIDE

You will need Adobe Reader to view some of the files on this page. See [EPA's PDF page](#) to learn more.

Provided below is the information for the product you selected. To view the label, click on the date in the **Accepted Date** Field. The latest label is at the top of the list.

EPA Registration Number: 71995-49
Company Name: MONSANTO COMPANY LAWN & GARDEN PRODUCTS
Address: 800 N. LINDBERGH BLVD.
City, State Zip: ST. LOUIS, MO 63167
First Registered Date: DECEMBER 20, 2007
Current Status (Date): Registered (DECEMBER 20, 2007)
Agent Name: MONSANTO COMPANY
Agent Address: 801 PENNSYLVANIA AVE, NW, SUITE 900
Agent City, State Zip: WASHINGTON, DC 20004
Restricted Use: NO

Labels SLN(24)(c) **Chemical** Alt Brand Name Inactive Alt Brand Name Transfer History Site

Pest

Active Ingredient	Percent Active
Disquat dibromide	73
Imazacpic ammonium salt ¹	18
Imazacpic ammonium	0.8

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Labels SLN(24)(c) **Chemical** Alt Brand Name Inactive Alt Brand Name Transfer History Site

Pest

EPA Reg. No.	Product Name	Accepted Date
71995-49	RD 1686 HERBICIDE	July 26, 2018 (PDF)
71995-49	RD 1686 HERBICIDE	March 23, 2013 (PDF)
71995-49	RD 1686 HERBICIDE	January 24, 2011 (PDF)
71995-49	RD 1686 HERBICIDE	September 13, 2012 (PDF)
71995-49	RD 1686 HERBICIDE	May 22, 2008 (PDF)
71995-49	RD 1686 HERBICIDE	December 20, 2007 (PDF)

If one selects the chemical ingredients tab, skip to Step 4 . If not, proceed to step number 3

- To find the active ingredient(s) on the label, search for the page in the document containing the date of registration. *Usually, the active ingredients section occurs within the first few pages of the label document.*

MASTER LABEL FOR EPA REG. NO. 71995-49

Primary Brand Name:
RD 1686 Herbicide

Alternate Brand Names:
Roundup Concentrate Max Control 365
Roundup Concentrate 365 Weed & Grass Killer Plus Weed Preventer

Editorial Notes:
Bold, italicized text is information for the reader and is not part of the label.
 Brackets [] is optional text and a slash / is for graphics. Text separated by a backslash \ denotes "and/or" options.
 Note: Duration references of 1 Year= 12 Month= 52 Weeks= 365 Days can be used interchangeably throughout the label.
 Refer to APPENDIX 1 for Consolidated List of Label Claims; APPENDIX 2 for Packaging Related Claims.

[Insert Brand Name and Logo]

[Insert Claims from Appendix 1 or 2] [Insert Graphics representing claim]

ACTIVE INGREDIENTS:	
Glyphosate, isopropylamine salt ¹	18.0%
Imazacpic ammonium salt ¹	1.8%
Disquat dibromide	0.73%
OTHER INGREDIENTS	
	79.67%
TOTAL	100.00%

¹Contains 1.2 lbs. glyphosate acid equivalent and ¹¹0.14 lb. Imazacpic acid equivalent per US gallon.

Keep Out of Reach of Children

CAUTION

See [back/ side] [panel/ booklet/ label] for additional precautionary statements.
Alternative Text: [See container label for (complete) use directions and additional precautionary statements.]

NET [Insert Net contents FL OZ or GAL, see Appendix 2] [Insert Metric Conversion]
 Net contents of final printed labeling based on various commercial sizes to be marketed

[Insert 2D code/ PPN code/ LB code]



4. Return to the Beyond Pesticides Gateway and search for the active ingredient name in the yellow box to the right or from the list below.

SEARCH

Start typing a **chemical name**, then click in the list that appears:

OR, start typing a **product name**, then click in the list that appears:

OR, select one or more of the **effects** below:

Health Effects

- Cancer
- Endocrine Disruption
- Reproductive Effects
- Neurotoxicity
- Kidney/Liver Damage
- Sensitizer/Irritant
- Birth/Developmental Defects

Environmental Effects

- Detected in Groundwater
- Detected in Streams
- Potential Leacher Effects
- Toxic to Birds
- Toxic to Fish/Aquatic Organisms
- Toxic to Bees
- Toxic to Mammals
- Long-Range Transport

- Find pesticides that have ALL of the above effects
- Find pesticides that have ANY of the above effects

SEARCH

[Read about the Gateway](#)

Each pesticide name below will take you to *chemical information pages* with links to factsheets, basic chemical, alternatives, health and environmental effects, regulatory status, key studies and more. See also Beyond Pesticides' [pest management resources](#), [health effects and other factsheets](#), and [activist tools](#).

For more general information, read [What Is a Pesticide?](#)

Scroll down this page to see the list of featured pesticides, or search for specific ones using the box on the right.

FEATURED PESTICIDES

[1-naphthaleneacetic acid \(NAA\)](#)

[1,3-Dichloropropene \(Telone\)](#)

[2-Phenylphenol \(o-phenylphenol\)](#)

[2,4-D](#) 🐝

[4-Chlorophenoxyacetic acid \(4-CPA\)](#)

[4-Aminopyridine \(4-AP\)](#)

[Abamectin/Avermectin B1](#) 🐝

[Acephate](#) 🐝

[Acequinocyl](#)

[Acetamiprid](#) 🐝

[Acethion](#)

[Acetic Acid \(Vinegar\)](#) 🌿

[Acetochlor](#) 🐝

[Acibenzolar-S-methyl](#)

[Acifluorfen Sodium](#)

[Alachlor](#)

[Aldicarb](#) 🐝

[Alkyl dimethyl benzyl ammonium chloride \(ADBAC\)](#)

[Allethrin](#) 🐝

[Ametoctradin](#)

[Ametryn](#)

[Aminocyclopyrachlor](#)

[Aminopyralid](#)

[Amisulbrom](#)

[Amitraz \(BAAM\)](#) 🐝

[Amitrole](#)

[Arsanilic acid](#)

[Atrazine](#)

[Aviglycine](#)

[Azinphos-methyl](#) 🐝

[Azoxystrobin](#)

[Bacillus Thuringiensis \(Bt\)](#) 🐝

[Benalaxyl](#)

[Benalaxyl-M](#)

[Bendiocarb](#) 🐜

[Benfluralin](#)

[Benomyl](#)

[Bensulide](#) 🐜

[Bentazon](#)

[Benthiavalicarb-isopropyl](#)

[Benzovindiflupyr](#)

[Benzylchlorophenol \(2-Benzyl-4-chlorophenol\)](#)

[Bifenazate](#) 🐜

[Bifenthrin](#) 🐜

[Bispyribac-sodium](#)

[Bitertanol](#)

[Boric Acid](#) 🌿

[Boscalid](#)

[Brodifacoum](#)

[Bromacil](#)

[Bromadiolone](#)

[Bromoxynil](#)

[Buprofezin](#) 🌿

[Butralin](#)

[Butylate](#)

[Cadusafos](#)

[Captan](#)

[Carbaryl](#) 🐜

[Carbendazim](#)

[Carbofuran](#) 🐜

[Carbon Disulfide](#)

[Carboxin](#)

[Carfentrazone-ethyl](#)

[Castor Oil](#) 🌿

[Cedarwood Oil](#) 🌿

[Chlorantraniliprole](#) 🐛

[Chlorfenapyr](#) 🐛

[Chloroneb](#)

[Chlorothalonil](#)

[Chlorpropham \(CIPC\)](#)

[Chlorpyrifos](#) 🐛

[Chlorsulfuron](#)

[Chromated Copper Arsenate \(CCA\)](#)

[Cinnamon Oil](#) 🌿

[Citric Acid](#) 🌿

[Citronella Oil](#) 🌿

[Clethodim](#)

[Clofentezine](#)

[Clomazone](#)

[Clopyralid](#)

[Clothianidin](#) 🐛

[Clove oil](#) 🌿

[Copper Sulfate](#)

[Corn Gluten Meal](#) 🌿

[Corn Oil](#) 🌿

[Cottonseed Oil](#) 🌿

[Coumaphos](#) 🐛

[Crotoxyphos](#) 🐛

[Cryolite](#)

[Cyantraniliprole](#)

[Cyazofamid](#)

[Cycloate](#)

[Cyfluthrin](#) 🐝

[Cymoxanil](#)

[Cypermethrin](#) 🐝

[Cyprodinil](#)

[Cyprosulfamide](#)

[Cyromazine](#)

[Dacthal \(DCPA\)](#) 🐝

[Dazomet](#)

[DEET](#)

[Deltamethrin](#) 🐝

[Desmedipham](#)

[Diazinon](#) 🐝

[Dicamba](#)

[Dichlobenil](#)

[Dichlorprop-p](#)

[Dichlorvos \(DDVP\)](#) 🐝

[Dicloran \(DCNA\)](#)

[Dicofol](#)

[Difenoconazole](#)

[Diflubenzuron](#)

[Diflufenzopyr](#)

[Dimethenamid](#)

[Dimethoate](#) 🐝

[Dimethomorph](#)

[Dinocap](#)

[Dinotefuran](#) 🐝

[Diphenylamine \(DPA\)](#)

[Diquat Dibromide](#)

[Disodium Methanearsonate \(DSMA\)](#) 🐜

[Disulfoton](#) 🐜

[Dithianon](#)

[Dithiopyr](#) 🐜

[Diuron](#) 🐜

[Dodine](#) 🐜

[Dried Blood](#) 🌿

[Ecolyst \(N-N-diethyl-2-\(4-methylbenzyloxy\) ethylamine hydrochloride\)](#)

[Emamectin Benzoate](#) 🐜

[Endosulfan](#) 🐜

[Endothall](#)

[Epoconazole](#)

[EPTC](#)

[Esfenvalerate](#) 🐜

[Ethaboxam](#)

[Ethalfluralin](#)

[Ethephon](#)

[Ethofumesate](#)

[Ethoprop \(ethoprophos\)](#) 🐜

[Ethoxyquin](#)

[Etofenprox](#) 🐜

[Etoxazole](#)

[Etridiazole](#)

[Eugenol](#) 🌿

[Famoxadone](#)

[Fenamidone](#)

[Fenamiphos](#) 🐜

[Fenarimol](#)

[Fenazaquin](#) 🐜

[Fenbuconazole](#)

[Fenbutatin-oxide](#)

[Fenhexamid](#)

[Fenoxaprop-ethyl \(FE\)](#)

[Fenoxaprop-p-ethyl \(FPE\)](#)

[Fenoxycarb](#)

[Fenpropathrin](#) 🐝

[Fenpropimorph](#)

[Fenpyrazamine](#)

[Fenpyroximate](#)

[Fenthion](#) 🐝

[Fenvalerate](#) 🐝

[Ferbam](#)

[Fipronil](#) 🐝

[Flazasulfuron](#)

[Flonicamid](#) 🐝

[Florasulam](#)

[Florpyrauxifen-benzyl](#)

[Fluazifop-P-butyl](#)

[Fluazinam](#)

[Flubendiamide](#)

[Fludioxonil](#) 🐝

[Flufenacet](#)

[Flufenoxuron](#)

[Flumethrin](#)

[Flumioxazin](#)

[Fluometuron](#) 🐝

[Fluopicolide](#)

[Fluopyram](#)

[Fluoxastrobin](#)

[Flupyradifurone](#) 🐝

[Fluridone](#)

[Fluroxypyr](#)

[Fluthiacet-methyl](#)

[Flutolanil](#)

[Fluvalinate](#) 🐝

[Folpet](#)

[Fomesafen](#)

[Forchlorfenuron](#)

[Formetanate hydrochloride](#)

[Fosamine Ammonium](#)

[Fosetyl-aluminum](#)

[Fosthiazate](#) 🐝

[Garlic oil](#) 🌿

[Gentamicin](#)

[Geraniol](#) 🌿

[Glufosinate ammonium](#)

[Glyphosate](#) 🐝

[Halohydantoin \(dihalodialkylhydantoin\) \(several\)](#)

[Halosulfuron-methyl](#)

[Heptachlor](#)

[Hexachlorobenzene](#)

[Hexaflumuron \(Sentricon\)](#)

[Hexazinone](#)

[Hexythiazox](#)

[Hydramethylnon](#)

[Hydrogen peroxide](#) 🌿

[Hydroprene](#)

[Imazalil](#)

[Imazamox](#) 🐝

[Imazapic](#)

[Imazapyr](#)

[Imazaquin](#)

[Imazethapyr](#)

[Imidacloprid](#) 🐝

[Indaziflam](#)

[Indoxacarb](#) 🐝

[Ipconazole](#)

[Iprodione](#)

[Iprovalicarb](#)

[Isofenphos](#)

[Isoxaben](#)

[Isoxadifen-ethyl](#)

[Isoxaflutole](#)

[Kasugamycin](#)

[Kresoxim-methyl](#)

[L-Lactic Acid](#) 🌿

[Lactofen](#)

[Lambda-cyhalothrin](#) 🐝

[Lemongrass Oil](#) 🌿

[Linalool](#) 🌿

[Lindane](#) 🐝

[Linuron](#)

[Malathion](#) 🐝

[Maleic hydrazide](#)

[Mancozeb](#) 🐝

[Mandipropamid](#)

[Maneb](#)

[MCPA](#) 🐝

[MCPB \(4-\(2-Methyl-4-chlorophenoxy\) butyric acid\)](#)

[Mecoprop \(MCP\)](#)

[Mefenoxam](#)

[Mepanipyrim](#)

[Mepiquat chloride](#)

[Mesotrione](#)

[Metalaxyl](#)

[Metaldehyde](#)

[Metam sodium](#)

[Metconazole](#)

[Methamidophos](#) 🐝

[Methane arsonic acid](#)

[Methidathion](#) 🐝

[Methomyl](#) 🐝

[Methoprene](#)

[Methoxychlor](#)

[Methoxyfenozide](#)

[Methyl bromide](#)

[Methyl parathion](#) 🐝

[Metolachlor](#)

[Metrafenone](#)

[Metribuzin](#)

[Mevinphos](#) 🐝

[Monosodium methanearsonate \(MSMA\)](#)

[Myclobutanil](#)

[Naled](#) 🐝

[Naphthalene](#)

[Napropamide](#)

[Naptalam](#)

[Nicosulfuron](#)

[Nithiazine](#) 🐝

[Nitrapyrin](#)

[Norflurazon](#)

[Novaluron](#)

[O-Naphthaleneacetamide](#)

[O-Phenylphenol](#)

[Oil of Lemon Eucalyptus](#) 🌿

[Oryzalin](#)

[Oxadiazon](#)

[Oxamyl](#) 🐝

[Oxyfluorfen](#)

[Oxytetracycline](#)

[Para-dichlorobenzene \(PDCB\)](#)

[Paraquat/Paraquat dichloride](#)

[Parathion/Ethyl parathion](#) 🐝

[PCNB \(Quintozene, Pentachloronitrobenzene\)](#)

[Pendimethalin](#)

[Penoxsulam](#)

[Pentachlorophenol](#)

[Penthiopyrad](#)

[Peppermint Oil](#) 🌿

[Permethrin](#) 🐝

[Phenmedipham](#)

[Phenothrin](#) 🐝

[Phorate](#) 🐝

[Phosalone](#)

[Phosmet](#) 🐝

[Phosphine](#)

[Phosphorothioic acid](#)

[Picaridin](#) 🌿

[Picloram](#)

[Pine Oil](#) 🌿

[Piperonyl butoxide \(PBO\)](#)

[Potassium Phosphite](#)

[Prallethrin](#) 🐝

[Primisulfuron-methyl](#)

[Procymidone](#)

[Prodiamine](#)

[Profenofos](#) 🐝

[Prohexadione Calcium](#)

[Prometryn](#)

[Pronamide/propyzamide](#)

[Propamocarb hydrochloride](#)

[Propargite](#)

[Propetamphos](#)

[Propiconazole](#)

[Propoxur](#) 🐝

[Propylene glycol](#)

[Propylene oxide](#)

[Propyzamide](#)

[Prosulfuron](#)

[Pymetrozine](#)

[Pyraclostrobin](#)

[Pyraflufen-ethyl](#)

[Pyrethrins](#) 🐝

[Pyridaben](#) 🐜

[Pyridalyl](#)

[Pyridate](#)

[Pyrimethanil](#)

[Pyriofenone](#)

[Pyriproxyfen](#) 🐜

[Quinclorac](#)

[Quinoxifen](#)

[Quizalofop-ethyl](#)

[Resmethrin](#) 🐜

[Rimsulfuron](#)

[Rosemary Oil](#) 🌿

[Rotenone](#) 🐜

[Sabadilla](#) 🌿 🐜

[Saflufenacil](#)

[Sethoxydim](#) 🐜

[Siduron](#) 🌿

[Simazine](#)

[Sodium lauryl sulfate](#) 🌿

[Soybean oil](#) 🌿

[Spinetoram](#) 🐜

[Spinosad](#) 🐜

[Spirodiclofen](#) 🐜

[Spiromesifen](#)

[Spirotetramat](#)

[Spiroxamine](#) 🐜

[Streptomycin](#)

[Sulfentrazone](#)

[Sulfluramid](#)

[Sulfoxaflor](#) 🐝

[Sulfur](#) 🌿

[Sulfur dioxide](#)

[Sulfuryl fluoride](#)

[Synthetic Pyrethroids](#) 🐝

[Tebuconazole](#)

[Tebufenozide](#)

[Tebuthiuron](#)

[Tefluthrin](#) 🐝

[Tembotrione](#)

[Terbacil](#)

[Terbufos](#) 🐝

[Terbutylazine](#)

[Terrazole](#)

[Tetrachlorvinphos \(TCVP\)](#) 🐝

[Tetraconazole](#)

[Tetramethrin](#) 🐝

[Thiabendazole](#)

[Thiacloprid](#)

[Thiamethoxam](#) 🐝

[Thiazopyr](#)

[Thiencarbazone-methyl](#)

[Thifensulfuron-methyl](#)

[Thiobencarb](#)

[Thiodicarb](#) 🐝

[Thiophanate-methyl](#)

[Thiram](#) 🐝

[Thymol oil](#) 🌿

[Tolyfluanid](#)

[Topramezone](#)

[Tralomethrin](#) 🐝

[Triadimefon](#)

[Triadimenol](#)

[Triallate](#)

[Tribenuron-methyl](#) 🐝

[Trichlorfon](#)

[Triclopyr](#)

[Triclosan](#)

[Tridemorph](#)

[Trifloxystrobin](#)

[Trifloxysulfuron](#)

[Triflumizole](#)

[Trifluralin](#)

[Triforine](#)

[Trinexapac-ethyl](#)

[Triphenyltin Hydroxide/Fentin Hydroxide \(TPTH\)](#)

[Triticonazole](#)

[Troysan polyphase \(IPBC or Troysan KK-108A\)](#)

[Ulocladium oudemansii](#)

[Uniconazole](#)

[Vinclozolin](#)

[Warfarin](#)

[Wintergreen Oil](#) 🌿

[Zinc phosphide](#)

[Ziram](#)

[Zoxamide](#)

🌿 denotes least-toxic chemical

🐝 denotes toxic to bees

Health Effects Factsheets and Articles!

- [Pesticide-Induced Diseases Database](#)
- [Pesticides Trigger Parkinson's Disease](#)
- [Pesticides That Disrupt Endocrine System Still Unregulated By EPA](#)
- [Facing Scientific Realities, Debunking the "Dose Makes the Poison" Myth: Linking pesticide science and health effects](#)
- [Asthma, Children, and Pesticides: What You Need to Know](#)

More Factsheets and Articles!

- [What Is a Pesticide?](#)
- [Pollinators and Pesticides: Escalating crisis demands action](#)
- [How Safe is Your Bait?: Pesticides may be labeled as "nonvolatile," but still release poisons into the air](#)
- [Pesticides and Pets: What you should know to keep your pets safe](#)
- [Taking Off the Blindfold: EPA ignores toxic exposures in risk assessment](#)
- [Synergy: The big unknowns of pesticide exposure](#)
- [40 Common Lawn and Landscape Pesticides: \(1\) Health and \(2\) Environmental Effects!](#)
- [Lawn and Garden Pesticides: Facts & Figures](#)
- [Pesticides & Pollinators](#)

Plus, Alternatives to Petrochemical Pesticides and Fertilizers!

- [Cost Comparison: Organic vs. Chemical Land Management](#)
- [Products Compatible with Organic Landscape Management](#)
- [Fertilizers Compatible with Organic Land Management](#)
- [ManageSafe™: Least-Toxic Pest Prevention and Control](#)