

The University of Hertfordshire Agricultural Substances Databases - Instructions for Use

The present document aims at providing basic information on how to use the PPDB. Information on the Terms and Conditions of use can be found in the document 'Conditions of Use'. Support information can be found in the document 'Background and Support Information'. Both documents are available on the PPDB website as PDF downloads, in the 'Support Information' section.

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Accessing the database

In order to gain access to the PPDB on-line go to <https://sitem.herts.ac.uk/aeru/ppdb/index.htm>.

The PPDB home page

PPDB: Pesticide Properties DataBase

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Home
A to Z: All
A to Z: Insecticides
A to Z: Herbicides
A to Z: Fungicides
A to Z: Other product constituents
Search
Support information
Purchasing and licensing
Find us on facebook

THE PPDB, BPDB and VSDB
Pesticide, Bio-Pesticide and Veterinary Substances properties databases

Welcome to the Pesticide Properties Database (PPDB) website; a comprehensive source of data on pesticide chemical, physical and biological properties. The PPDB, and its two sister databases the Bio-Pesticides Database (BPDB) and the Veterinary Substances DataBase (VSDB), can be accessed via this website. The PPDB is also available via an IUPAC branded portal.

Pesticide Properties Database (PPDB): The main PPDB website that includes chemical identity, physicochemical, human health and ecotoxicological data. Click here to access this database	IUPAC PPDB: The IUPAC-branded version of the PPDB. This contains the same information as the main PPDB website but using IUPAC-branded delivery pages. Click here to access this database
Bio-Pesticides Database (BPDB): A comprehensive database of substances that includes naturally occurring chemicals, pheromones, bacteria, fungi and insect predators. Click here to access this database	Veterinary Substances DataBase (VSDB): A comprehensive database of substances that includes veterinary pharmaceuticals, treatments and related chemicals. Click here to access this database

These databases have been developed and are managed by the **Agriculture and Environment Research Unit (AERU)** at the University of Hertfordshire for a variety of end users to support risk assessments and risk management.

4,458,327 Visitors since: 02/03/2007

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On the PPDB Home page of the database you will be presented with a number of options in the centre frame that will enable you to access the database you're interested in, the options being

- **The Pesticide Properties Database (PPDB):** The main PPDB website that includes chemical identity, physicochemical, human health and ecotoxicological data.
- **The IUPAC PPDB:** The IUPAC-branded version of the PPDB. This contains the same information as the main PPDB website but using IUPAC-branded delivery pages.
- **The Bio-Pesticides Database (BPDB):** A comprehensive database of substances that includes naturally occurring chemicals, pheromones, bacteria, fungi and insect predators.
- **The Veterinary Substances DataBase (VSDB):** A comprehensive database of substances that includes veterinary pharmaceuticals, treatments and related chemicals.

On the left hand side of the screen is a menu which takes you directly into the functionality of the main PPDB site.

The four versions of the database function in the same way, so only the PPDB is described here.

The A-Z index page

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No.s A B C D E F G H I K L M N O P Q R S T U V W X Z

Home

A to Z: All

A to Z: Insecticides
A to Z: Herbicides
A to Z: Fungicides
A to Z: Other product constituents

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THE PPDB

A to Z List of Pesticide Active Ingredients

Last updated: 15/08/2020

PPDB

Numbers

(4-chlorophenoxy)acetic acid
(E)-2-(2-(2-(2,3-dichlorophenylamino)-6-trifluoromethylpyrimidin-4-ylloxymethyl)phenyl)-3-methoxyacrylate
(R)-flutriafol
(R)-hexaconazole
(S)-flutriafol
(S)-hexaconazole
1-(4-chloro-1,3-dihydro-1,3-dioxo-2H-isoindole-2-yl)-cyclohexanecarboxamide
1-(4-chlorophenyl)-3-(2,6-dichlorobenzoyl)urea
1,1-bis(4-chlorophenyl)-2-ethoxyethanol
1,2-benzisothiazolin-3-one
1,2-dibromoethane
1,2-dichloropropane
1,3-dichloropropene
1,4-dimethylnaphthalene
10,10'-oxybisphenoxarsine
1-decanol
1-methylcyclopropene
1-naphthylacetamide
1-naphthylacetic acid
2-(octylthio)ethanol

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The date of the last data update can be seen at the top of the page below the title banner.

1. On the left-hand side the menu provides access to:
 - Home: This will return you to the 'Home Page' (of the relevant database).
 - The main and (where appropriate) the subsidiary A to Z pages.
 - Search: See details below.
 - Support Information: See details below.
 - Purchasing and Licensing: This page provides details on how to purchase the database in MS Access or MS Excel format, as well as the other services we offer.
2. The main frame has an A-Z index of the substances available in the PPDB.
3. Navigation up and down the list can be done either by selecting the starting letter of the substance (top of page) or by scrolling up and down using the mouse or computer controls.
4. Metabolites are only accessible via the parent record or via the search facility – see below.

Identify and click the appropriate substance from the index list to access the data record.

The data record

PPDB: Pesticide Properties DataBase

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Home | Top | Environmental Fate | Ecotoxicology | Human Health | Translations

Acephate
(Also known as: orthene)

Last updated: 02/03/2020

SUMMARY

Acephate is an organophosphate insecticide that does not have approval for use in the EU. It is highly soluble in water and most organic solvents, and is volatile. It is not expected to leach to groundwater. Whilst it is mobile, it tends not to be persistence in soil or aquatic systems. It is moderately toxic to mammals and has a low potential for bioaccumulation. Acephate is also a recognised irritant. It is has a moderate to low toxicity to birds, honeybees, earthworms and most aquatic organisms.

GENERAL INFORMATION

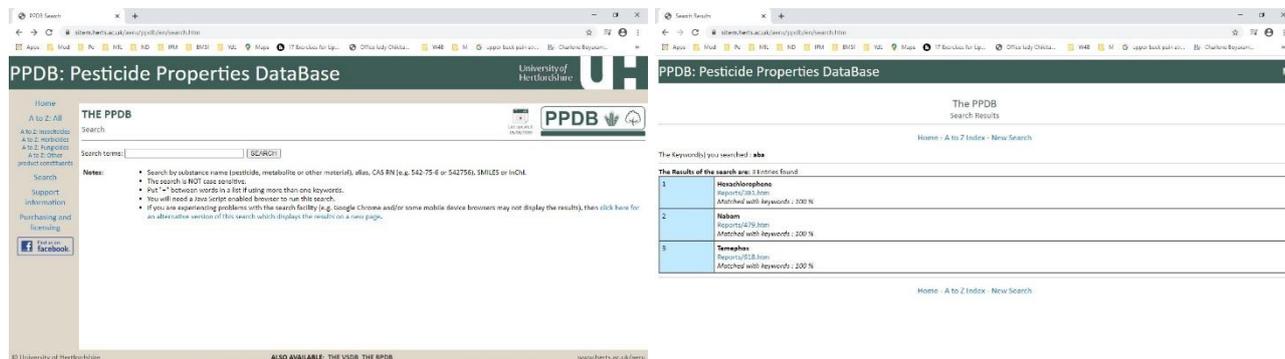
Description	An organophosphate insecticide used normally as a foliar spray to control chewing and sucking insects
Example pests controlled	Aphids; Leaf miners; Lepidopterous larvae; Sawflies; Thrips
Example applications	Fruit; Vegetables; Potatoes; Sugarbeet; Vines; Rice; Hops; Ornamentals; Greenhouse crops including peppers, cucumbers
Efficacy & activity	-
Availability status	Current
Introduction & key dates	circa 1970

UK regulatory status

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- The selected record will be displayed in the standard PPDB format. Data is divided into the following broad sections:
 - General information: including a description, examples of species treated, substance type, chemical formula, etc., as well as information on formulations.
 - Environmental fate: this section includes layperson interpretations and pre-calculated indices, as well as information on degradation, soil adsorption, mobility and metabolites.
 - Ecotoxicological data: this includes endpoints/interpretations for a range of fauna and flora.
 - Human health data: this includes toxicological endpoints and descriptive text, as well as health and handling issues.
 - Translations of the main common name into several European languages.
- At various places on the record the information icon can be seen. Clicking this option will provide access to the appropriate support and information document.
- Clicking on the warning icon, will open a new window containing cautionary notes for the relevant data item.
- More detailed information can be found in the document 'Background and Support information' which is available through the link to the 'Support Information' section on the left of the screen.
- Search:** See details below.
- Support Information:** See details below.
- Purchasing and Licensing:** This page provides details on how to purchase the database in MS Access format, as well as the other services we offer.

Search



Selecting this option will take the user to the search page. Data can be searched for by:

- Full chemical name (IUPAC or CAS name) for the substance, metabolite or additive.
- Common name, alias or code.
- Common name in any of the PPDB operating languages.
- CAS number.
- Structural descriptor (e.g. SMILES or InChI).

Many substances have similar names and alias and many different ways in which the chemical can be identified. Ideally a unique identifier (e.g. the CAS number or ATCvet Code) should be used.

Identifying metabolites can be difficult. Ideally select the parent substance from the A-Z Index and follow the links. Alternatively, try the manufacturers development code, CAS number or chemical name.

Type the search term in the box and click the Search button. Results of the search will be displayed. Select the item you wish to view.

Support information



This provides access to a number of documents that provide more detail on some of the parameters and data given in the PPDB Data Records, as well as other related information. Some of these have been produced in-house but others are useful documents produced by third parties and provided as reference materials:

1. A core set of support documents, including:
 - Terms and Conditions.
 - Copyright statement.
 - Background and Support Information.
 - Instructions for Use (this document).
 - Q&A section: this provides brief answers to common questions.
 - Glossary of Terms.
 - Using the Database Offline.
 - What are CIPAC Code Numbers?
 - The IUPAC International Chemical Identifier.
 - EU Safety Phrases.
 - EU Risk Phrases.
 - Summary of Hazard Phrases - CLP Classification.
 - The Global Harmonised System (GHS) - Aldrich summary.
 - The Global Harmonised System (GHS) - Allocation of Label Requirements.
2. Newsletters.
3. Posters & Publications.

Terms & conditions

This page provides details on the terms and conditions relating to using and linking to the database and the data within it. Those users intending to utilise the PPDB and/or its data should refer to this document and contact the PPDB management team for further details.

Purchasing & licensing

This page provides details on how to purchase the database in MS Access format. More details can be found in the PPDB Document 'Terms and Conditions of Use'.

Disclaimer

The PPDB is a collection of data from a wide variety of different sources. We have taken considerable care to ensure that the information it contains is as accurate and as complete as possible and we have also attempted to provide guidance on our confidence in the data via the quality barometer. However, the University of Hertfordshire, collaborating organisations and individuals and our funders bear no responsibility for errors or omissions in the either the database or the original sources.

Information in this database in no way replaces or supersedes information provided on the pesticide product label or under other regulatory requirements. Please refer to the pesticide product label. Should you have comments about the database or suggestions for changes, please contact us (see below).

Contact details

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