# DROPLET Read\_me.

Date: July 2025, version 1.4.2

This file contains information for

* DROPLET
  + model version 1
  + shell version 4
  + database version 2

DROPLET reads information from the SWASH/TOXSWA database, FOCUS version 3 (= 3, Apr 2015) to which it is coupled and which is still part of FOCUS-SWASH version 5.3 (= 5.1.0, Apr 2015). SWASH contains the SPIN database, which stores all pesticide properties, and thus DROPLET1.4.2 also reads data from SPIN. It also reads data from the DROPLET database, which was created for DROPLET 1.3.2.

N.B. DROPLET 1.4.2 had been prepared and tested for Windows 11. In addition, a test plan, specific for the DROPLET model and software has been passed.

## Help

If you encounter installation problems or problems using DROPLET, please send an e-mail to [droplet@pesticidemodels.eu](mailto:droplet@pesticidemodels.eu)

If you encounter problems using the SWASH database from within DROPLET, please send an e-mail to [swash@pesticidemodels.eu](mailto:swash@pesticidemodels.eu)

For detailed information on the installation and the structure of the installed files see the Getting started document.

More information about DROPLET is available at the DROPLET website: [www.pesticidemodels.eu/droplet](https://www.pesticidemodels.eu/droplet/home/)

## Required pre-installed software

This installation procedure is limited to the installation of DROPLET 1.4.2 only. DROPLET 1.4.2 makes use of the SWASH database (part of FOCUS\_SWASH 5.3). Simulation results of MACRO and TOXSWA for the FOCUS D3 ditch with spray drift deposition according to the Dutch Wageningen Drift Calculator should be fed into DROPLET by the user her/himself. For the installation procedure of the FOCUS surface water model suite (SWASH, incl. SPIN, and next TOXSWA, MACRO and if needed also PRZM) please refer to the FOCUS website <https://esdac.jrc.ec.europa.eu/projects/swash>

DROPLET 1.4.2 requires SPIN 3.3 or SPIN 4.4. In case an older or no SPIN version is installed on your computer, install SPIN 4.4 first, so before all other models. For a download of the installation package see [www.pesticidemodels.eu/spin](https://www.pesticidemodels.eu/spin/downloads)

## Installation

Uninstall previous DROPLET versions before installing DROPLET 1.4.2. This will include the removal of the DROPLET database. To do so, go ‘Settings’, next to ‘Apps’, then to ‘Installed Apps’ and finally search for DROPLET, click on the three dots behind the program name and select ‘Uninstall’.

To install DROPLET 1.4.2 no admin rights are required and the installation is set up for the current user. This means the actual user of DROPLET should install the application with its own credentials and not use e.g. another account with admin rights.

In case of multiple users on a PC each user should install DROPLET 1.4.2. on its own personal folder. So, in fact, multiple-user installation is not supported. If you still continue to install DROPLET as an admin, DROPLET will only work properly for the admin user.

In case the current user is not allowed to install anything at all on his/her own PC please contact [droplet@pesticidemodels.eu](mailto:droplet@pesticidemodels.eu) to ask for assistance on a special installation.

To install DROPLET 1.4.2 run the setup file DROPLET142.exe and follow the instructions during the installation. The default directory for installing DROPLET program files is C:\Users\<current user>\AppData\Local\Programs\PesticideModels\DROPLET142. The user may choose another drive and/or directory, for example C:\PesticideModels\DROPLET142.

The DROPLET data files (database and projects) are default installed in a personal folder. The default directory for installing DROPLET database and projects is C:\Users\<current user>\AppData\Local\Programs\PesticideModels\DROPLET142\Project\_DB. This folder depends on the users account and the Windows version, so might be a bit different. The user may choose another drive and/or directory, but it should be a LOCAL drive (no network drive) and a directory where the user has read/write access! An option for another drive or directory could be for example C:\PesticideModels\DROPLET142\Projects\_DB for the DROPLET data files (database and projects).

Note that two shortcuts may be installed: one for the DROPLET program and another one to access the directory with the database and project files directories

At its first start-up of DROPLET the user has to select the SWASH database. This location is stored in the registry, so, it can be found next time.

If SPIN has not been installed by the DROPLET user him/herself, he/she should create or select the SPIN database during its first start-up of SPIN from within the DROPLET UI. A pop-up box will appear enabling the user either to select the directory where a new, empty SPIN database should be installed, or, in case the user wishes to use an existing SPIN database, to select the directory where this database is located.

**Use database and data from DROPLET 1.2:**

Due to changes in the database structure of the DROPLET database it is not possible to use the data and database from DROPLET version 1.2.

Due to minor changes in the database it is recommended not to use the database of version 1.3.2. Also note that DROPLET 1.3.2 incl. its database needs to be uninstalled before being able to install version 1.4.2.

## Hard and software requirements

**Supported operating systems:**

Windows 11.

**Hard disk memory**:

## DROPLET requires 21 Mb for installation.

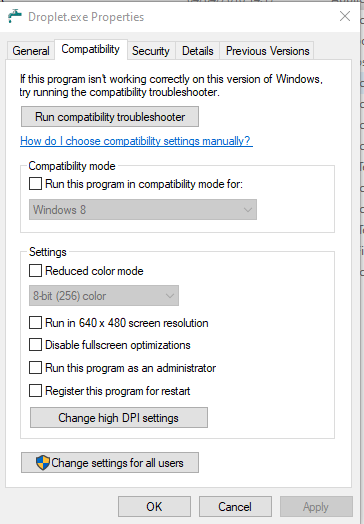
## Known bugs

DROPLET version 1.4.2: at release: none. For current information see [www.pesticidemodels.eu](https://www.pesticidemodels.eu)

Scaling issues

Users with a high dpi monitor may experience scaling issues. This means that the entire (or parts of) the application look very small. This can be resolved by adjusting the scaling setting of the Droplet.exe file:

1. Right click on the file Droplet.exe.
2. Go to tab “Compatibility”.



1. Click button “Change high DPI settings”.
2. At section “High DPI scaling override” check the option and select “System” from the dropdown list. Click “OK”.

