

Installation of the PERPEST model:

- Run the PerpestInstallationOct2003.exe file and follow the instructions.
- For questions or reporting of errors, problems or bugs please e-mail to: perpest.alterra@wur.nl

Points of attention:

- Please use the following ranges for the parameters to be entered:

Experimental features

| | |
|----------------|------------------------|
| EC50 | between 1E-6 and 1E6 |
| DT50 | between 0.04 and 1000 |
| Henry | between 1E-10 and 1000 |
| Kom | between 1E-6 and 1E6 |
| Concentration: | between 1E-6 and 1E10 |

Options, prediction

| | |
|---------------------------|------------------------|
| Number of nearest points: | between 1 and 10000 |
| Distance power | between -100 and -1E-4 |
| Min. distance | between 0 and 100 |
| Max. distance | between 0 and 100 |
| Critical dissimilarity | between 0 and 100 |

Options, bootstrap

| | |
|-----------------------|-----------------------|
| N bootstraps | between 1 and 1E10 |
| Bootstrapped fraction | between 0.01 and 0.99 |
| Confidence limit p | between 0.001 and 0.5 |

Options, optimize

| | |
|---------------------------|--|
| Convergence crit | between 1E-4 and 1 |
| Vase size | between 1 and 1000 |
| Stop criterion stepwise | between 0.001 and 0.99 |
| Weights of variables | between 0 and 100 (for min and max) |
| Range of variables | between 0.01 and 100 (for min and max) |
| Distance power | between -100 and -1E-4 (for min and max) |
| Number of nearest points: | between 1 and 10000 (for min and max) |

Options, PERPEST

| | |
|----------------------|---------------------|
| Default Weights | between 0 and 100 |
| Max. allowable diff. | between 0.1 and 100 |

- Make sure that no other combinations between Type of substance and Mode of action as given below is entered as a new chemical

| | |
|-------------|--------------------------------|
| Herbicide | Auxine simulator |
| Herbicide | Other herbicide |
| Herbicide | Photosynthesis inhibitor |
| Insecticide | Acetylcholinesterase inhibitor |
| Insecticide | Moulting hormone antagonist |
| Insecticide | Other insecticide |
| Insecticide | Synthetic pyrethroid |