SIXTH FRAMEWORK PROGRAMME

FOOTPRINT

Pesticide Properties DataBase

What is the FOOTPRINT PPDB?

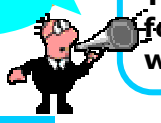
It is a comprehensive database of pesticide physicochemical and ecotoxicological data for over 670 active substances and their metabolites. The database is required to support the three tools that are being developed in FOOTPRINT.

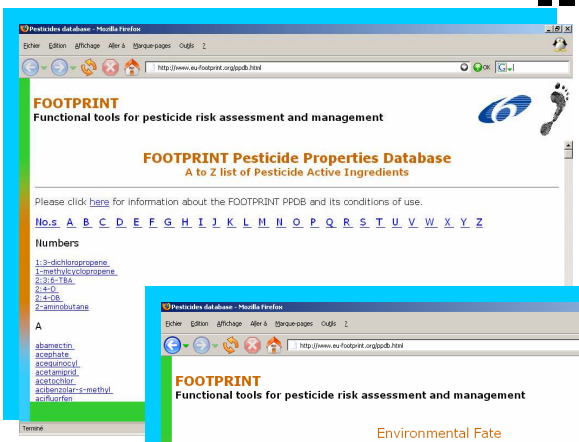
It is much more comprehensive than existing resources bringing together data from a broad range of on- and off-line publications. Data have been validated and assigned a confidence value. It is constantly being updated and maintained.

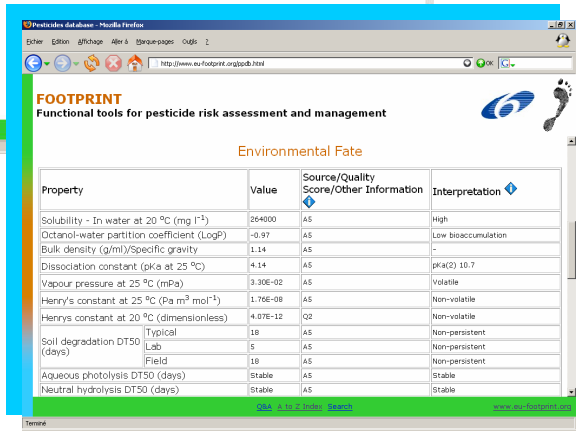
How is it different from existing databases?

How can I access the FOOTPRINT PPDB?

Via the FOOTPRINT web site at : www.eu-footprint.org/ppdb.html. The database is also available in MS Access 97 format subject to a modest fee. See the website for more information.







Property		Value	Source/Quality Score/Other Information	Interpretation
Solubility - In water at 20 °C (mg l^{-1})		264000	A5	High
Octanol-water partition coefficient (LogP)		-0.97	A5	Low bioaccumulation
Bulk density (g/ml)/Specific gravity		1.14	A5	-
Dissociation constant (pKa at 25 °C)		4.14	A5	pKa(2) 10.7
Vapour pressure at 25 °C (mPa)		3.30E-02	A5	Volatile
Henry's constant at 25 °C (Pa m^3 mol^{-1})		1.76E-08	A5	Non-volatile
Henrys constant at 20 °C (dimensionless)		4.07E-12	Q2	Non-volatile
Soil degradation DT50 (days)	Typical	18	A5	Non-persistent
	Lab	5	A5	Non-persistent
	Field	18	A5	Non-persistent
Aqueous photolysis DT50 (days)		Stable	A5	Stable
Neutral hydrolysis DT50 (days)		Stable	A5	Stable

General Information
Common name, alias's
Chemical name, CAS RN, structure, molecular mass, formulae, chemical group, pesticide type, physical description
91/414 status and countries where it is registered for use
Environmental Fate
Log P, Koc & Freündlich coefficient
Bulk density/specific gravity, pKa, aqueous solubility
Vapour pressure & Henry's constant
DT50s for: soil degradation, aqueous photolysis, neutral hydrolysis, water-sediment systems
Details of metabolites
Eco-toxicology
Terrestrial: mammals, honey bees, worms
Aqueous: fish, invertebrates, algae & plants
Human health
WHO toxicity class, general issues
Bioconcentration factor
Mammals acute oral LD50 and NOEL
Acceptable Daily Intake (ADI) & exposure limits

www.eu-footprint.org