

Dichlorvos

Common name: dichlorvos

IUPAC name: 2,2-dichlorovinyl dimethyl phosphate

Chemical Abstracts name: 2,2-dichloroethenyl dimethyl phosphate

Molecular weight: 221.0

Molecular formula: $C_4H_7Cl_2O_4P$

Formulation: 77.5% EC

Applications

Biochemistry

Cholinesterase inhibitor.

Mode of action

Insecticide and acaricide with respiratory, contact, and stomach action. Gives rapid knockdown.

Uses

Control of household and public health insect pest, e.g. flies, mosquitoes, cockroaches, bedbugs, ants, etc; storedproduct pests in warehouse, storerooms, etc; flies and midges in animal houses; sciarid and phorid flies in mushrooms; sucking and chewing insects, and spider mites in a wide range of crops, including fruit, vines, vegetables, ornamentals, tea, rice, cotton, hops, glasshouse crops, etc. Also used as a veterinary anthelmintic. Applied at 600-1200g/ha.

77.5% EC characteristics:

Item	Index
Appearance	Light yellow to sandy brown transparency liquid
Content, %	≥ 77.5
Water, %	≤ 0.1
Acid(calculated by H_2SO_4), %	≤ 0.3

TC characteristics:

Item		Index	
		First grade	Second grade
Content(dichlorvos), %	\geq	95.0	92.0
Content(dipterex), %	\leq	2.5	2.5
Water, %	\leq	0.20	0.20
Acid(calculated by H_2SO_4), %	\leq	0.05	0.05

Storage and transportation:

Put in a ventilated and dry place. Keep away from food, seed and feed. Do not touch eyes, skin and be absorbed by mouth and nose..