

Chlorpyrifos

Common name: chlorpyrifos

IUPAC name: *O,O*-diethyl *O*-3,5,6-trichloro-2-pyridyl phosphorothioate

Chemical Abstracts name: *O,O*-diethyl *O*-(3,5,6-trichloro-2-pyridinyl) phosphorothioate

Molecular weight: 350.6

Molecular formula: C₉H₁₁Cl₃NO₃PS

Formulation: 40% EC

Applications

Biochemistry

Cholinesterase inhibitor.

Mode of action

Non-systemic insecticide with contact, stomach, and respiratory action.

Uses

Control of Coleoptera, Diptera, Homoptera and Lepidoptera in soil or on foliage in over 100 crops, including pome fruit, stone fruit, citrus fruit, nut crops, strawberries, figs, bananas, sunflowers, sweet potatoes, rice, asparagus, glasshouse and outdoor ornamentals, turf, and in forestry. Applied at 540-1800g/ha.

40% EC characteristics:

Item	Index
Appearance	Even liquid
Content, %	≥40.0
Water, %	≤0.3
Acid(calculated by H ₂ SO ₄), %	≤0.2

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..