

Cartap

Common name: cartap

IUPAC name: *S,S'*-(2-dimethylaminotrimethylene) bis(thiocarbamate)

Chemical Abstracts name: *S,S'*-[2- (dimethylamino) -1,3-propanediyl]dicarbamothioate

Molecular weight: 237.3

Molecular formula: C₇H₁₅N₃ O₂S₂

Formulation: 50%SP

Applications

Biochemistry: Analogue or propeptide of the natural toxin nereistoxin. Nicotinic acetylcholine blocker, causing paralysis by blocking cholinergic transmissions in the central nervous systems of insects.

Mode of action

Systemic insecticide with stomach and contact action. Insects discontinue and die of starvation.

Uses

Cartap hydrochloride is used for control of chewing and sucking insects(particularly Lepidoptera and Coleoptera), at almost all stages of development, on many crops, including rice(*Chilo suppressalis*, *Cnaphalocrocis medinalis*, *Lissorhoptrus oryzophilus* and rice-leaf beetle),potatoes, cabbage and other vegetables. Applied at 600-750g/ha.

50%SP characteristics:

Item	Index
Appearance	Even powder
Content, %	50
Water, %	≤3.0
Insoluble material in water, %	≤0.6
PH value	3.0-6.0

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..