

Cypermethrin·Phoxim

Cypermethrin

Common name: cypermethrin

IUPAC name:

(*RS*)- $\alpha$ -cyano-3-phenoxybenzyl(1*RS*,3*RS*;1*RS*,3*SR*)-3-(2,2-dichlorovinyl)-2,2-dimethyl = cyclopropanecarboxylate

*Roth*: (*RS*)- $\alpha$ -cyano-3-phenoxybenzyl(1*RS*)-*cis-trans*-3-(2,2-dichlorovinyl) -2,2-dimethyl = cyclopropanecarboxylate

Molecular weight: 416.3

Molecular formula: C<sub>22</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>3</sub>

Phoxim

Common name: phoxim

IUPAC name: *O,O*-diethyl  $\alpha$ -cyanobenzylideneamino-oxyphosphonothioate; 2-(diethoxyphosphinothioxyimino)-2-phenylacetonitrile

Molecular weight: 298.3

Molecular formula: C<sub>12</sub>H<sub>15</sub>N<sub>2</sub>O<sub>3</sub>PS

Formulation: 20%EC

20% EC characteristics:

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Appearance	Even liquid
Content(cypermethrin), %	$\geq 1.5$
Content(phoxim),%	$\geq 18.5$
Water, %	$\leq 0.5$
Acid(calculated by H <sub>2</sub> SO <sub>4</sub> ), %	$\leq 0.4$

Uses

Control of stored-product insects in granaries, mills, silos, ships, etc.; ants and other insects in households and in public health; caterpillars and soil insects in maize, vegetables, potatoes, beet and cereals. Applied at 150-210ml/ha.

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.