

## Appendix

### Appendix 1:

#### FAROX™

This white, crystalline odourless solid acts as a growth regulator in insects. Its melting point is 53.6° C. The compound has a limited evaporation and leaching potential.

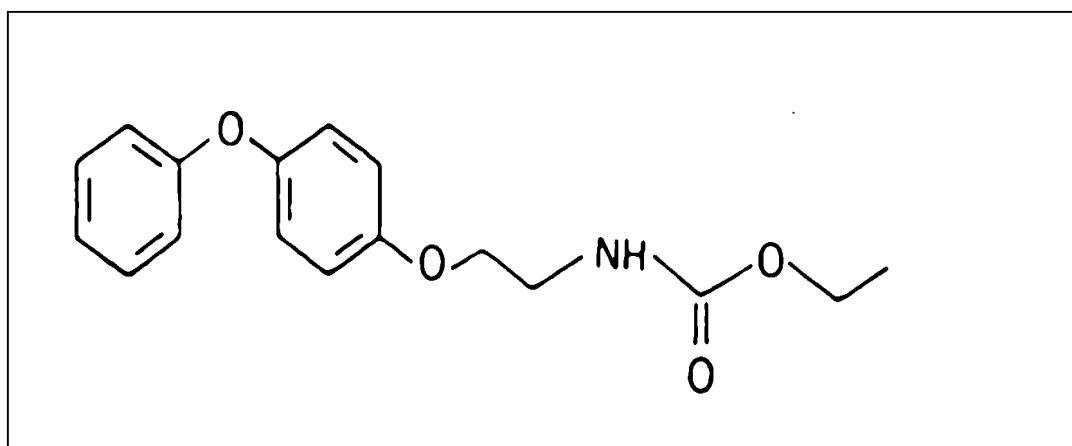
Common name: Fenoxycarb

Chemical name: Ethyl 2-(4-phenoxyphenoxy) ethylcarbamate

Empirical formula: C<sub>15</sub> H<sub>6</sub> N<sub>1</sub>O<sub>4</sub>

Molecular weight: 301.3

Chemical structure: [Appendix 1]



Efficacy: Fenoxycarb offers ovicidal effects, pupational effects and chemosterilisation.

Acute toxicity to rats:

LD<sub>50</sub> oral >10000 mg. kg<sup>-1</sup>

LD<sub>50</sub> dermal > 2000 mg. kg<sup>-1</sup>

LD<sub>50</sub> inhalation > 4400 mg. m<sup>-3</sup>

Skin and eye irritation to rabbits: none.

Mutagenic, teratogenic and carcinogenic properties: none.

**Appendix 2:****FLUROX™**

This white, crystalline odourless solid is an acylurea insecticide that acts as a growth regulator in insects. Its melting point ranged from 169<sup>o</sup> C to 172<sup>o</sup> C. The compound has a very limited evaporation and leaching potential.

Common name: Flufenoxuron

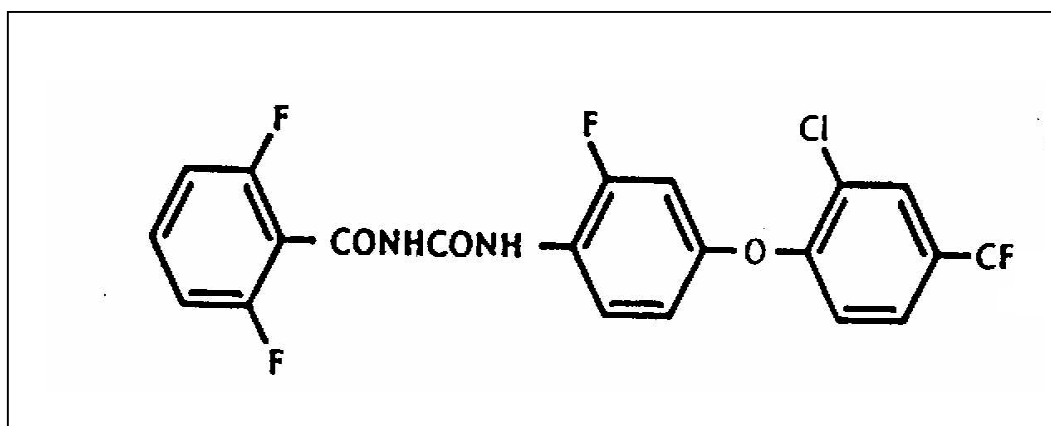
Chemical name:

1-[4-(2-chloro- $\alpha,\alpha,\alpha$ -trifluoro-p-tolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl) urea

Emperical formula:  $C_{21} H_{11} Cl F_6 N_2 O_3$

Molecular weight: 301.3

Chemical structure: [Appendix 2]



Efficacy: Flufenoxuron acts as a moulting inhibitor.

Acute toxicity to rats:

LD<sub>50</sub> oral >3000 mg. kg<sup>-1</sup>

LD<sub>50</sub> dermal > 2000 mg. kg<sup>-1</sup>

LD<sub>50</sub> inhalation > 5000 mg. m<sup>-3</sup> after 4 hours exposure

Skin and eye irritation to rabbits: none.

Mutagenic, teratogenic and carciogenic prpoerties: none