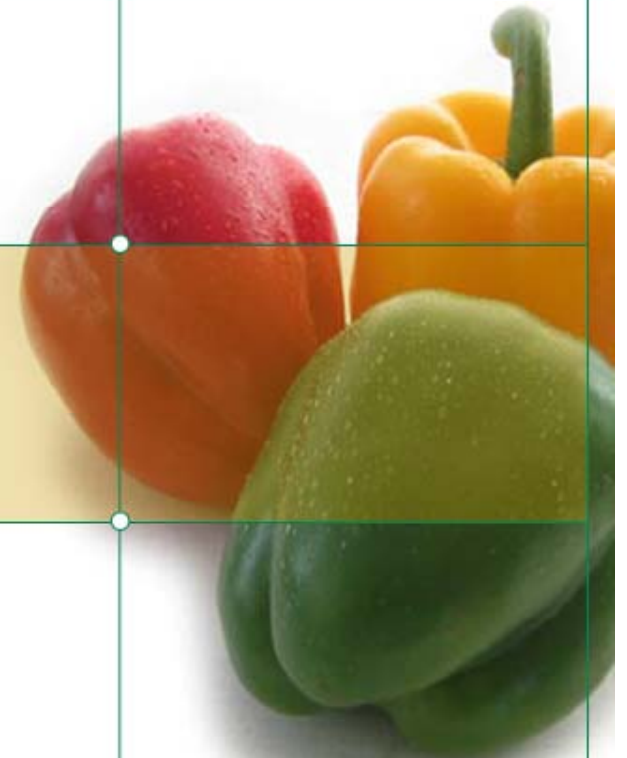


SipcamAdvan

Kurt Schwartau

IR-4 Food Use Workshop 2009
Insecticides

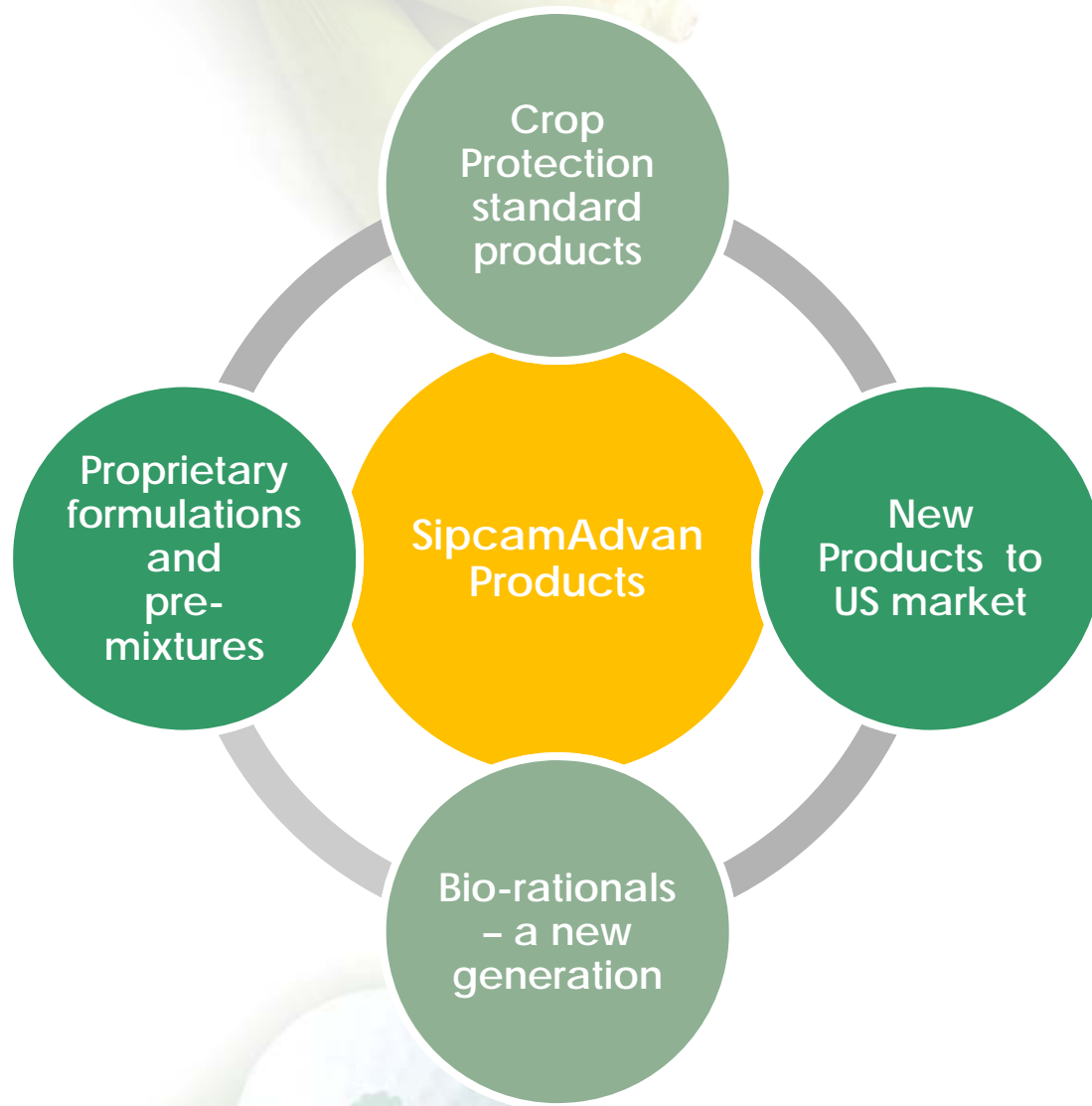


Sipcam-Oxon Today



Growing well together

- SipcamAdvan is a wholly owned subsidiary of Sipcam-Oxon.
- Privately owned, Italian multinational founded in 1946
- Business focuses on:
 - Synthesis/formulation of crop protection products
 - Production of chemical intermediates
 - Custom synthesis, Contract manufacturing.
- Development and registration
- The parent company has unique global partnerships notably with Chinese suppliers and Japanese R & D companies
- The parent brings formulation expertise, multi-sourced manufacturing and third party products.





Trebon Insecticide Registration Status

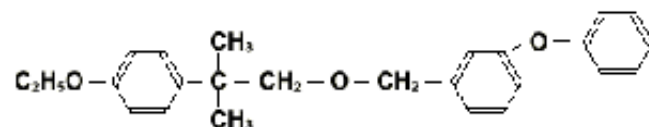
- Mitsui Chemical is the technical registrant
- 1st Etofenprox EPA Food Crop Registration in 2008
3G formula against RWW
- Additional foliar food crop registration submissions are planned for conventional, ULV and aerial application



Trebon

Physical and Chemical Properties of Trebon

- Common name** : Etofenprox
Trade name : Trebon
Chemical name : 2-(4-ethoxyphenyl)-2-methylpropyl
3-phenoxybenzyl ether
Chemical structure :



- Appearance** : Crystalline solid
Melting point : 36.4~38.0°C

CCC19029-02

TREBON

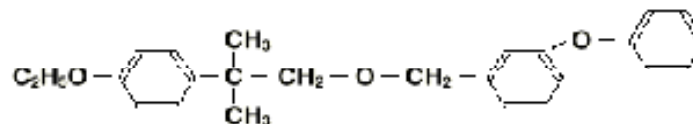




Characteristics of Etofenprox

Chemistry

1. Non-ester & pyrethroid-like insecticide



Efficacy

1. Quick killing action
2. Reasonably persistence
3. Broad spectrum

Safety

1. Extremely low toxicity
2. No irritation on eyes nor skin

Environment

1. Low fish toxicity
2. Low impact on beneficial insects
3. No harmful metabolites

0010208 02

TREBON



Sipcam Advan




Sipcam Advan

Compared to pyrethroids

Compound	Acute oral rat tox (LD50 mg/kg)	Fish tox (LC50 ppb)
Etofenprox	> 42,880	5,000(carp) 103(rainbow trout)*
Fenvalerate	451	0.42(bluegill)
Cypermethrin	250	0.69(rainbow trout)
Deltamethrin	128.5	0.91(rainbow trout)*

Source: Farm Chemicals Handbook

* MCI data



Efficacy (Comparison between Trebon[®] and Pyrethroids)

	Trebon	Pyrethroids
Insect Control Spectrum	Wide, in particular Psyllid, Thrip, Leafhopper, Plant bugs & Diptera	Wide, in particular Lepidoptera
Mode of Action	Sodium channel blocker	Sodium channel blocker
Cross resistance		
R/S (Py.-R)	Low to Medium	High
Effect Natural enemies	Moderate	High



Thank You!



SipcamAdvan

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