

# PYRETHROIDS

STRATEGIES TO GROW YOUR BUSINESS

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*In this case study, a manufacturing company engaged CPL Business Consultants to assist it in valorising a co-product of its main production, specifically looking at its potential as an intermediate for the production of pyrethroids. Using a combination of its scientific, technical and commercial knowledge, CPL characterised the market and made strategic recommendations on how the client should proceed.*

The objective of this project was to assist the client in determining its plans regarding chemical intermediates available to it. The client had significant quantities of a specialist intermediate available and wanted to identify higher-value uses for this compound. One option is producing pyrethroids, synthetic insecticides used in various applications for crop protection and non-crop pest control, including diseases, amenities and domestic insect pest control. An assessment was made of the opportunity presented by this chemical and its synthesis into insecticides.

Click to see [the contents of the study](#), or look below for an outline.

## PYRETHROIDS

### Executive Summary

- Objective and background
- Scope
- Method
- Principal Findings
  - Market Size and Trends
    - Introduction
    - Market Size
    - Players
    - Products
    - Prices
    - Key Success Factors
    - Barriers to Entry
- Conclusions
- Recommendations

### Introduction to Pyrethroids

- Pyrethroids and Pyrethrins
- Pyrethroids and Pheromones

### Agrichemical Markets

- The Global Pesticide Market
- Regional Pesticide Markets
  - The Indian Market
- Market Segmentation in Pesticides
- The Market for Generic Insecticides
- The Vector Control Market

## Pyrethroid Markets

- - Success Factors
  - Barriers to Entry
- Manufacture and Use in the US
  - Manufacturers
  - Use of Pyrethroids
  - Residential Use
- Pyrethroid Manufacture in China
- Pyrethroid Manufacture in India

## Strategic Overview of the Agrochemicals Market

- Generic Strategies in the Agrochemical Industry
- Strategies for Growth
- Strategies for Competing in Technology Based Industries
- Innovation and R & D

## Players, Products and Prices

- 26 Players
- 4 Pheromone Companies
- Products
- Prices: Active Ingredients
- Prices: Formulated Products

## Registration of pesticides

- Introduction
  - Protection of Humans
  - Protection of the Environment
  - Time & Expense
- The United states
  - Introduction
  - Procedures – Part 152
  - Labelling
- European Union
  - Introduction
  - Registration of Plant Protection Products
- Tests and costs
  - Summary of all tests
  - Offer on tests from [Charles River](#)
  - Potential US and European Product Chemistry Data Requirements Prices
  - Acute Toxicity Studies Prices
  - Toxicity Studies Prices
  - Ecotoxicology & Environmental Fate Studies Prices
  - Genotoxicity Testing Prices

## Research & Patents for Pyrethroids and Intermediates

- 16 Research Papers
- 21 Patents

## News

- Pilot plant for manufacture of insecticide Esfenvalerate
- A little less green? Studies challenge the benign image of pyrethroid insecticides
- A safer mosquito treatment? Minimizing deltamethrin risks to children
- Crop Protection: Gone To Seed

## 11 Contact Reports

## Appendix 1 – Additional Information on Pyrethroids

- Data Sheets for some Common Pyrethroids and Pyrethrins
  - Cypermethrin
  - Deltamethrin
  - Fenvalerate
  - Permethrin
  - Phenothrin
  - Pyrethrins
  - Resmethrin
- Pyrethroid Companies and Products Sold in Malaysia

## 57 Tables

## 18 Figures

See also CPL's [strategic view of the agrochemicals market](#) and an [example of our work in biopesticides](#). Have a look at our [PowerPoint Introduction](#) and [Brochure](#) describing deliverables, differentiators and case studies. [Eight case studies](#) can also be reviewed.