

SOLID STATE FERMENTATION FOR BIOPESTICIDES

Prepared by:

CPL Business Consultants

Milton Park Innovation Centre, Abingdon, OX14 4RY, United Kingdom

Tel: +44 1865 257 252, info@cplconsult.com, www.cplconsult.com

STRATEGIES TO GROW YOUR BUSINESS

TABLE OF CONTENTS

SOLID STATE FERMENTATION FOR BIOPESTICIDES	1
SEMI-SOLID-STATE FERMENTATION FOR BIOPESTICIDES.....	1
<i>Technical Overview</i>	<i>1</i>
<i>Companies or Groups Involved in Production</i>	<i>1</i>
<i>Process steps e.g.</i>	<i>1</i>
<i>Research in Biopesticide Semi-Solid-State Substrate Fermentation</i>	<i>1</i>

In this case study, a biopesticides company engaged CPL Business Consultants to examine production techniques used in semi-solid-state fermentation and also to find potential manufacturing partners. CPL's report included information on semi-solid-state fermentation techniques used and common production issues to look out for. Additionally, CPL introduced the client to a range of potential partners.

The purpose of this study was to allow a client effectively to plan both its technical process development and commercial approach to the production of biopesticides. The study detailed current technology in semi-solid-state fermentation focusing on the production of conidia from *Deuteromycetes* (anamorphic fungi); it itemised the key technical issues for each step in production, and it provided specific options and advice as to how to proceed.

SEMI-SOLID-STATE FERMENTATION FOR BIOPESTICIDES

- Introduction
- Conclusions
- Recommendations
- Future Actions

Technical Overview

- Food Fermentations
- Enzyme Fermentation
- Biopesticide Fermentation
- Current Literature

Companies or Groups Involved in Production

- Products Made
- Production Technologies
- Strains Used
- Solid State Fermentation Capacity
- Potential as a Partner

Process steps *e.g.*

- Raw Material Selection and Handling
- Sterilization Methods
- Vessel type and Design
- Equipment Maintenance
- Post-Fermentation Processing

Research in Biopesticide Semi-Solid-State Substrate Fermentation

CPL has worked on other [similar projects](#), including on [biopesticide production](#). You can find other examples of our work on [biopesticides on this site](#). Please look at our [PowerPoint Introduction](#) and [Brochure](#) describing deliverables and differentiators. You can also review [eight case studies](#).