

# REVIEW OF LUBILOSA – USE OF METARHIZIUM IN AFRICA

Prepared by:

CPL Business Consultants

Milton Park Innovation Centre, Abingdon, OX14 4RY, United Kingdom  
Tel: +44 1865 257 252, [info@cplconsult.com](mailto:info@cplconsult.com), [www.cplconsult.com](http://www.cplconsult.com)

STRATEGIES TO GROW YOUR BUSINESS

## TABLE OF CONTENTS

<b>REVIEW OF LUBILOSA – USE OF METARHIZIUM IN AFRICA.....</b>	<b>1</b>
LUBILOSA – <i>METARHIZIUM</i> USE IN AFRICA .....	2
<i>Executive Summary</i> .....	2
<i>General Review Lubilosa – Metarhizium Use in West Africa</i> .....	2

**In this case study, a research organisation engaged CPL Business Consultants to review the Lubilosa project, which aimed to commercialise *Metarhizium* for locust control in West Africa.**

LUBILOSA was a research programme based on the acronym **Lutte Biologique contre les Locustes et les Sauteriaux** (biological control of locusts and grasshoppers). The programme was conceived by Chris Prior and David Greathead of the [International Institute of Biological Control](#) (IIBC), a former research institute of [CAB International](#) that was based at Silwood Park in the UK at that time.

The programme identified an isolate of an entomopathogenic fungus belonging to the genus *Metarhizium* and virulent to locusts. It went through all the necessary steps to develop the commercial biopesticide product Green Muscle based on its spores. [You can find details of the history of the programme can in this Wikipedia article.](#)

The review provided information to the donors and participants in the Lubilosa project to take advantage of the lessons learned during future projects. The review was also a final assessment of the impact of the Lubilosa project, which developed ‘Green Muscle’ based on *Metarhizium* for use against locusts and grasshoppers.

Becker Underwood, which was acquired by [BASF](#), produced Green Muscle but [Éléphant Vert](#) now produces and sells the product.

Click here for a PDF of [the contents of the study](#) or look below for an outline.

**LUBILOSA – *METARHIZIUM* USE IN AFRICA****Executive Summary**

- Objective
- Method
- Principal Findings
- Recommendations
  - Cost
  - Politics
  - Dissemination of Information and Technology Transfer
  - Production

**General Review Lubilosa – Metarhizium Use in West Africa**

- Specific Achievements
  - Management
  - Technology
  - Registration
  - Capacity Building
  - Commercial Awareness and Use
- Constraints
  - Production Constraints
  - Cost Constraints
  - Management Constraints
- Terms of Reference
- Acronyms and Abbreviations
- Acknowledgements
- Visit Programmes
- References

You can find further 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](#).