



## 蛹蟲草培養技術

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簡歷：<https://shentllab.wordpress.com/>



### 市場及需求：

蛹蟲草(*Cordyceps militaris*)的化學成分及其藥理作用與冬蟲夏草(中華蟲草，*Ophiocordyceps sinensis*)相似，且可以人工培養的方式進行量產，因此被選為冬蟲夏草的最佳替代品。人工培育之北蟲草富含蟲草素，腺苷等生物活性成分，目前應用於烹飪食材及保健食品。據大葉大學估計潛在市場每年銷售額達六億元。

### 技術摘要：

本技術包含蛹蟲草之種源製備及培養至形成子實體的基本培養程序。

### 優勢：

辦理蛹蟲草栽培技術移轉之學研機構多數位於台灣中南部(例如大葉大學、南台科技大學)，本案發明人能就近確保北部廠商技轉成功。以達產業南北平衡。

### 競爭產品：

台灣生產者超過 10 家，例如明谷農業生技、大榮生物科技、金寶生物科技、慕求生技、給力生物科技等等。產品超過 50 項，廣見於各式通路，保健食品類例如：葡萄王「黃金蟲草王」、草本之家「黃金北蟲草」、桂格「5X 蟲草人蔘濃縮精華飲」；藥膳類例如：永豐餘生技「八珍羅漢竹筴蟲草湯」、展瑄「黃金蟲草調理包」；飲品類例如：大雪山農場「蟲草茶包」、蟲草王「草本養生咖啡」；機能食品例如：大城鄉農會「黃金蟲草蛋」。

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## Title of Invention

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### Market Needs:

The metabolites composition and pharmacological activity of *Cordyceps militaris* are comparable to that of *Ophiocordyceps sinensis*, and can be mass-produced by solid state fermentation, so it is selected as the best alternative to *Ophiocordyceps sinensis*. The cultivated *Cordyceps militaris* is rich in cordycepin, adenosine and other biologically active ingredients, and is currently used in cooking ingredients and health foods. According to the estimation of researcher in Dayeh University, the potential market has annual sales of 600 million NT dollars.

### Our Technology:

The technology provides the preparation method of the inoculum and the solid state fermentation process to form the fruiting body of *Cordyceps militaris*.

### Strength:

Most of the cultivation technology for *Cordyceps militaris* were transferred by research institutes or universities located in central and southern Taiwan (such as Dayeh University). In order to achieve a bioindustrial balance between north and south, the inventors can ensure the success of the technology transfer to the company located in northern Taiwan.

### Competing Products:

There are more than 10 Taiwanese producers, such as Meansgood Agricultural Biotechnology, Dalong Biotechnology, Calcomp Biotechnology, Mucho Biotechnology, Geeilich Biotechnology, etc. More than 50 products, such as Grape King's "Golden Cordyceps King", Quaker's "5X Cordyceps ginseng concentrated essence drink", Yuenfoongyu Biotech's "Bazhen Luohan Zhusheng Cordyceps Soup", Daxueshan Farm's "Cordyceps Tea Bag" and Dacheng Rural Farmers' Association's "Golden Cordyceps Egg", are selling in various markets.

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