



## 環保農藥 Biorational Pesticides

有機農夫除可運用耕作技巧、生物防治和物理防治等方法來對付病害蟲之外，還可使用各種環保農藥。環保農藥通常是由天然的東西製備而成，它們亦是可用於有機耕種的。



Besides cultural practices, biological and physical control methods to control pests, organic farmers may also use a wide range of biorational pesticides. These biorational pesticides, which are usually naturally occurring or biologically-based, are permitted in organic farming.

有機耕作可使用的環保農藥一般可分為下列主要類別：

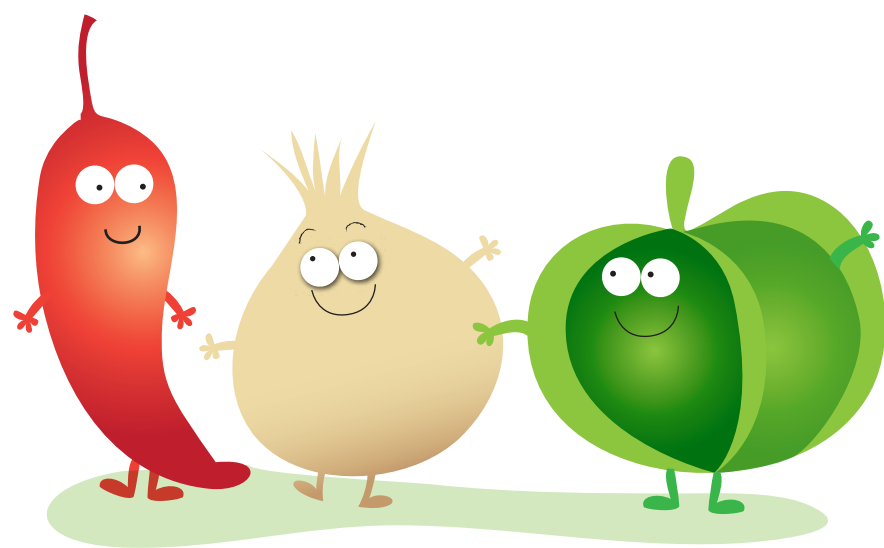
**In general, the biorational pesticides which are permitted for use in organic farming fall predominantly into the following groups:**

### 植物

包括一些植物的汁液，例如魚藤、印楝、苦參、除蟲菊，甚至蒜頭、洋蔥、辣椒等。

### Botanical

Includes extract from plant materials such as rotenone, neem, matrine, oxymatrine, sabadilla, pyrethrin, garlic, onion and hot pepper etc.



### 礦物油

能妨礙害蟲的呼吸和干擾牠們的攝食活動，可用來防治蚜蟲、粉虱、蟎和薊馬等軟體昆蟲。

### Mineral oil

Interferes with respiratory function and disrupts feeding activities of the insect pests. It can be used to control soft bodies insects such as aphids, whiteflies, mites and thrips.



### 信息素

性誘劑用來誘捕，干擾或妨礙害蟲的交配活動。

### Pheromone

Refers to the sex attractants of insects, which are the chemicals emitted by the female to attract the male of the same species for mating.

### 微生物

細菌、真菌、病毒和線蟲可令昆蟲生病或寄生在昆蟲體內。

### Microbial

Bacteria, fungi, viruses and nematodes which are the natural enemies of insects.

### 礦物

天然礦物例如波爾多混合殺菌劑-硫酸銅和熟石灰的混合劑可作防治病害用。

### Mineral

Natural minerals such as Bordeaux mixture - a mixture of copper sulphate and hydrated lime which can be used against bacterial and fungal diseases in plants.



### 環保農藥特點

### Characteristics of Biorational Pesticides

- 對哺乳類動物毒性低  
Low mammalian toxicity
- 在自然環境中容易分解  
Non-persistent and breaks down easily
- 源於自然，不會破壞環境  
Naturally occurring and environmentally-friendly
- 針對特定的靶標害蟲  
Target specific

