



CABI' s Horticulture Compendium 园艺大百科
使用说明
2017年3月

简介:

Horticulture Compendium (HC) 园艺大百科是一个拥有权威园艺数据表的独特百科资源。内容包括全球范围内的温带、热带以及亚热带的园艺作物数据表。园艺大百科已加入到 CABI 广受好评的百科系列, 将广泛的信息汇集到一个平台下来真正改变世界各地人们的工作生活。

来自专业组织的数据、图片、地图、书目数据库和文献全文都充实着园艺数据表。新的数据表和数据在不断增加, 审查和更新。

用户可以在园艺大百科上使用如下资源。

数据表: 由专家编写, 提供园艺及其相关学科的信息和国家概述。

摘要记录: 索引记录来自于 CAB Abstracts 中与园艺学科相关的子集。

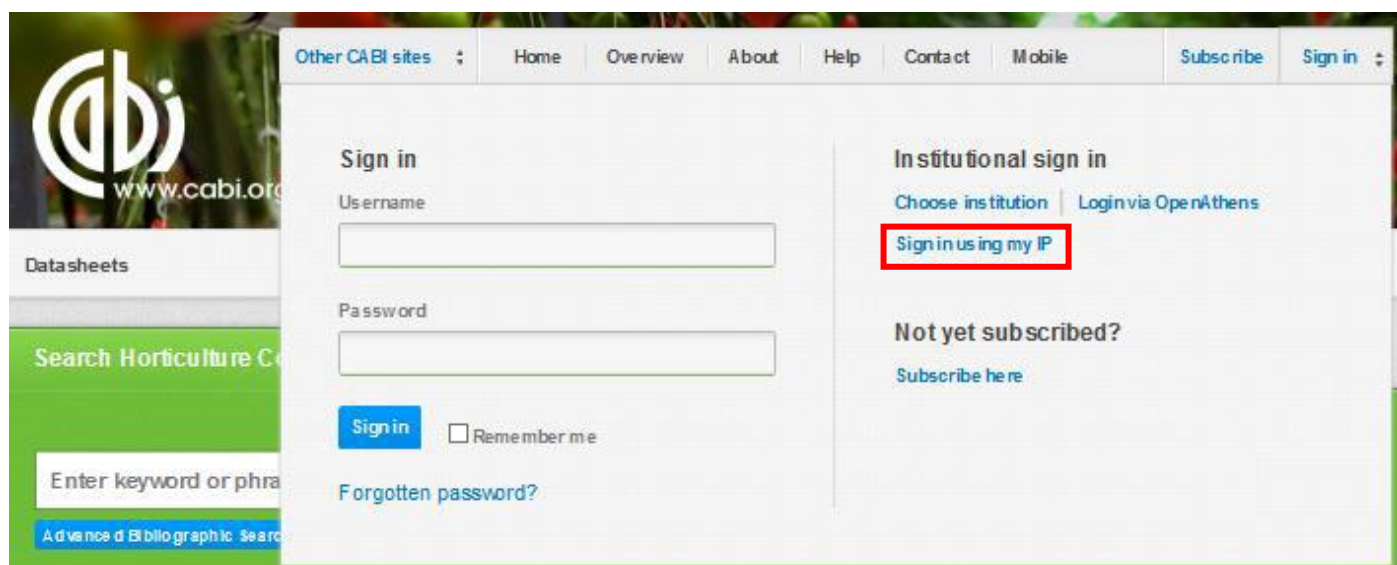
全文记录: 链接到由 CAB Direct 数据库收录的完整科学纪录学术文章。

图书馆: 图书馆文件包括由专家汇编的与园艺学等相关学科的跨学科原始文本。

词汇表: 超过 1000 个术语的交互式词汇表。

进入 HC

HC 是一个网页版的界面, 网址: www.cabi.org/HC



IP 控制, 不用 Sign In 登陆。系统会自动默认为 IP 登陆。如果不能自动登录, 可以点击 Sign in using my IP.

导航界面

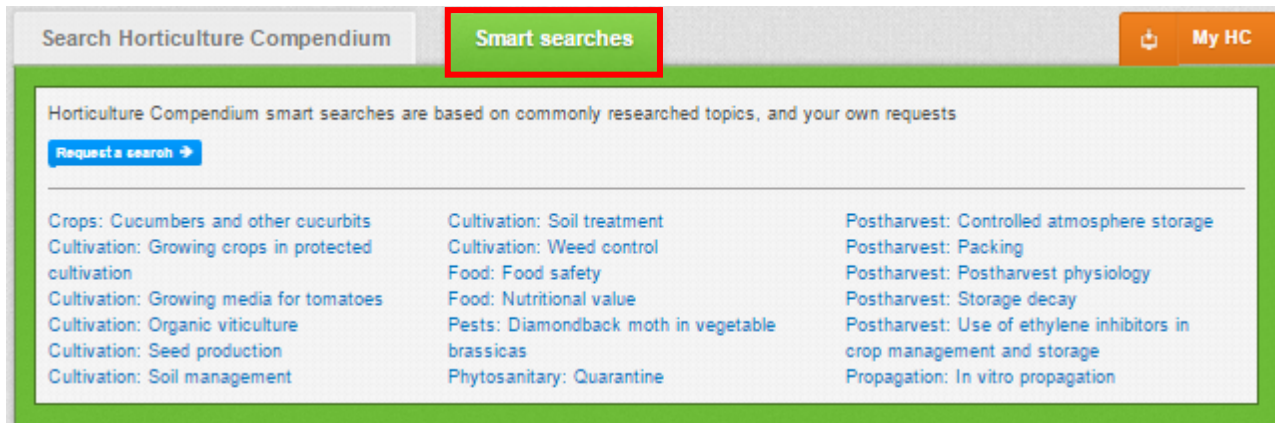
The screenshot shows the Horticulture Compendium website interface. Red boxes and arrows highlight specific features with Chinese labels:

- 主菜单栏 (Main Menu Bar):** Located at the top, containing navigation links like 'Home', 'Overview', 'About', 'Help', 'Contact', 'Mobile', and 'Sign out'.
- 内容菜单 (Content Menu):** A horizontal bar below the main menu with categories: 'Crops', 'Key Topics', 'Abstracts', 'Full Text', and 'Glossary'.
- 检索框 (Search Box):** A large green search area containing a search input field, a 'Filter by type' dropdown, and a 'Search' button.
- 最新索引文章 (Latest Indexed Articles):** A section on the left titled 'Latest content' showing two entries: 'Citrus aurantiifolia (lime)' and 'Citrus reticulata (mandarin)', each with a botanical illustration and a brief description.
- 内容材料类型 (Content Material Types):** A list of content types on the right side, including 'Abstract', 'CABI Hosted Full Text', 'Datsheet', 'Datsheet (Basic)', 'Datsheet (Full)', and 'Glossary'.

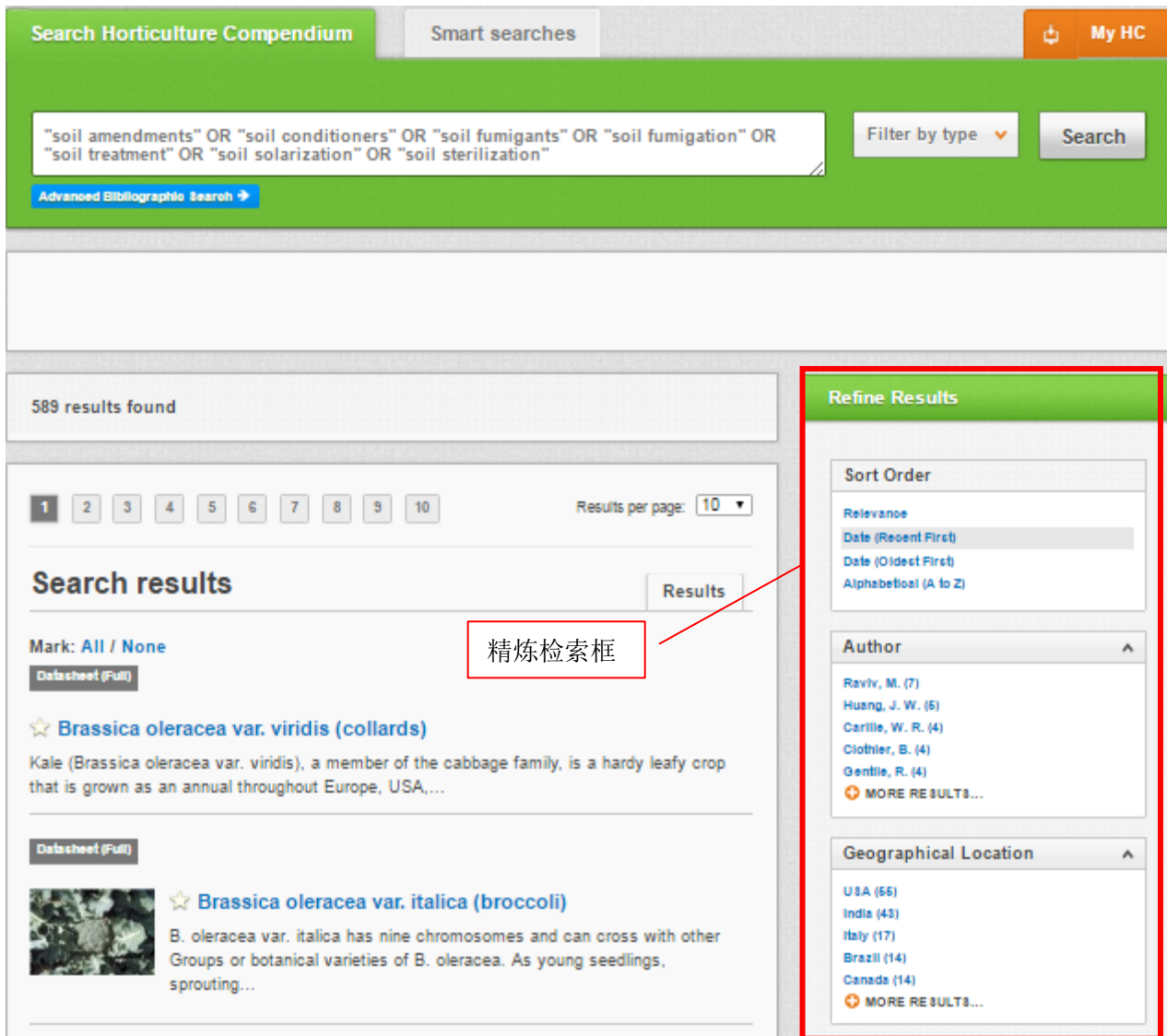
智能检索

为了能够让客户在主要或者关键的主题下找到想要的文章，CABI 的专家已经重新定义了搜索字符。

想要进入智能搜索界面，请点击 [Smart searches](#)。



然后点击 Cultivation: Soil treatment

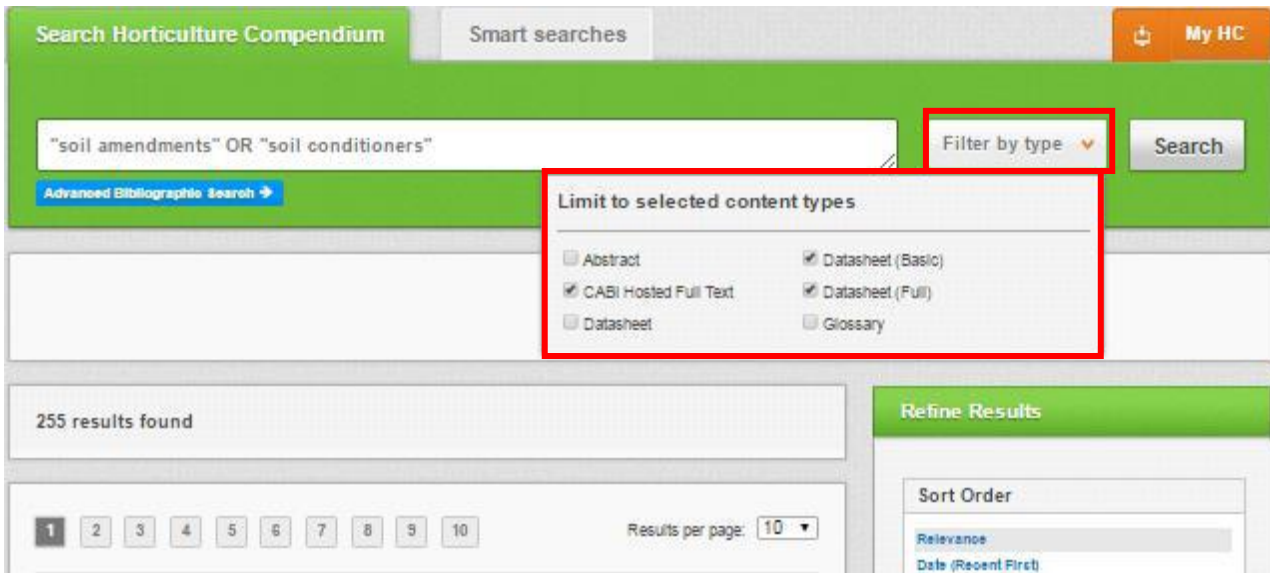


简单的检索

一般检索：检索范围广



过滤检索：比较精确



查看检索结果

The screenshot shows the Search Horticulture Compendium interface. At the top, there is a search bar with the query "soil amendments" OR "soil conditioners" and a "Search" button. Below the search bar, there are filters for "Type: CABI Hosted Full Text", "Type: Datasheet (Basic)", and "Type: Datasheet (Full)". The search results section shows "56 results found" and a "Results per page" dropdown set to "10". A "Refine Results" sidebar on the right includes sections for "Sort Order" (Relevance, Date (Recent First), Date (Oldest First), Alphabetical (A to Z)), "Author" (Bano, F. (3), Dhawan, A. K. (3), Peshin, R. (3), Ricam, K. S. (3), Abd-Elall, A. M. M. (1), MORE RESULTS...), and "Geographical Location" (India (10), Nigeria (3), Egypt (2), Odisha (2), Thailand (2), MORE RESULTS...).

Annotations in the image point to various elements:

- 记录显示** (Record display) points to the "56 results found" text.
- 过滤显示** (Filter display) points to the filter buttons for document types.
- 记录显示选项** (Record display options) points to the "Results per page" dropdown menu.

The detailed view of a search result includes:

- Mark: All / None** with buttons for **Abstract** and **Full Text**.
- 文章题目** (Article title): **Effect of using soil conditioners on tomato yield and water use efficiency.**
- 文摘介绍** (Abstract introduction): The current study was performed to investigate effect of three water regimes as well as, three different soil conditioners on the yield and fruit quality of tomato. The studied water regimes were namely; 60, 80 and 100% of class A pan. However; the tested soil conditioners were "soil hanz", "Olygo..."
- 书目信息** (Bibliographic information):

Author(s)	El-Dolify, M. M.; Abdrabbo, M. A.; El-Yazied, A. A.; Eldeeb, M. H.
Publisher	The Society of Arab Colleges of Agriculture, Cairo, Egypt
Citation	Arab Universities Journal of Agricultural Sciences, 2016, 24, 1, pp 195-204
- 全文链接** (Full text link): **View full text article** button.

文章说明

This block provides a detailed view of a search result with the following annotations:

- 资源类型** (Resource type) points to the **Full Text** button.
- 文章题目** (Article title) points to the title: **Effect of using soil conditioners on tomato yield and water use efficiency.**
- 文摘介绍** (Abstract introduction) points to the abstract text: "The current study was performed to investigate effect of three water regimes as well as, three different soil conditioners on the yield and fruit quality of tomato. The studied water regimes were namely; 60, 80 and 100% of class A pan. However; the tested soil conditioners were "soil hanz", "Olygo..."
- 书目信息** (Bibliographic information) points to the author, publisher, and citation details.
- 全文链接** (Full text link) points to the **View full text article** button.

数据表

在结果列表里点击 datasheet. 数据表将会以 HTML 形式显示。

Datasheet

Momordica charantia (bitter gourd)

Index

- [Pictures](#)
- [Identity](#)
- [Taxonomic Tree](#)
- [Notes on Taxonomy and Nomenclature](#)
- [Description](#)
- [Summary of Invasiveness](#)
- [Distribution](#)
- [Biology and Ecology](#)
- [Air Temperature](#)
- [Rainfall](#)
- [Rainfall Regime](#)
- [Soil](#)
- [Pests Summary](#)
- [Non-Infectious Disorders](#)
- [Major Cultivars](#)
- [Genetic Resources and Breeding](#)
- [Propagation](#)
- [Cultivation](#)
- [Harvesting](#)
- [Postharvest Treatment](#)
- [Nutritional Value](#)
- [Uses List](#)
- [Production and Trade](#)
- [Phytosanitary Issues/Food Safety](#)
- [References](#)

Summary


Last modified
08 March 2017

Datasheet Type(s)
Pest
Crop

Preferred Scientific Name
Momordica charantia

Preferred Common Name
bitter gourd

Taxonomic Tree
Domain: Eukaryota
Kingdom: Plantae
Phylum: Spermatophyta
Subphylum: Angiospermae
Class: Dicotyledonae
Order: Violales
Family: Cucurbitaceae
Genus: Momordica
Species: Momordica charantia



[More information](#)

索引菜单
 概要信息

列表和直觉链接

园艺大全不仅仅是一个平台和大百科全书参考文献，也提供动态连接来影响问题的解决和信息收集。不同的数据表包含相关有用信息的累计并针对于单一的数据表形式。直觉链接被用于连接相关内容。例如，从 Important Pests 列表里选出“*Apium graveolens*”数据表，我们可以链接出一个关于 Alfalfa mosaic virus.

Important pests

- Alfalfa mosaic virus
- [Anagrapta falcifera](#)
- [Aphis gossypii](#)
- [Arabis mosaic virus](#)
- [Botryotinia fuckeliana](#)
- [Celery latent virus](#)

Alfalfa mosaic virus (alfalfa yellow spot)

Index

- [Identity](#)
- [Description](#)
- [Hosts/Species Affected](#)
- [Symptoms](#)
- [List of Symptoms/Signs](#)

Summary

Last modified
07 February 2017

Datasheet Type(s)
Pest

Preferred Scientific Name
Alfalfa mosaic virus

Preferred Common Name
alfalfa yellow spot


Don't need the entire report?
Generate a print friendly version containing only the sections you need.

[Generate report](#)

There are no pictures available for this datasheet.
 If you can supply pictures for this datasheet please contact:
 Compendo
 CAB International
 Wallingford
 Oxfordshire
 OX9 0QJ
 UK
compendo@cab-international.org

生成报告

生成报告功能可以让用户根据自己的需求从大量的数据表（文本、表格、地图、图片）中选取有用的部分来生成定做的报告。这些定做的报告可以打印并粘贴到其它文件当中。这些报告可以用作演讲、学习支持材料、实际领域的参考文献。这项功能对于网络限制地区有很大的帮助。

在数据表的上方点击 ，T=text, L=List, M=Map. 左边是数据表题目，右边是用户感兴趣的数据表。



The screenshot shows a two-column interface for report generation. The left column contains a list of sections, with 'T: Pests Summary' highlighted in blue. The right column shows a preview of the selected sections: 'L: Pictures', 'T: Overview', 'T: Description', and 'T: Pests Summary'. A 'Generate Report' button is located at the bottom right. Several red boxes highlight specific controls: a left-right arrow button at the top left, a right-left arrow button at the top right, a box containing 'All Sections →' and '← Remove Sections' buttons in the middle left, and a 'Generate Report' button at the bottom right. Red lines connect these boxes to Chinese labels: '改变顺序按钮' (Change order button) points to the top right arrow button, '插入和移除按钮' (Insert and remove button) points to the middle left button box, and '全部插入和移除按钮' (All insert and remove button) points to the bottom left button box.

书目记录和全文

Next: [Alternative strategies to control root-knot nematodes \(Meloidogyne... >>](#)
[Return to Search Results](#)

Abstract

Effects of soil sterilization on growth of *Angelica sinensis* plant and soil microbial populations in a continuous mono-cropping soil.

[View full text article →](#)

Abstract

Angelica sinensis (Oliv.) Diels (family Apiaceae) is a perennial herb that has been widely used in Traditional Chinese Medicine. The soil sickness has become one of the major constrains in *A. sinensis* cultivation. A pot experiment was done to evaluate the role of biological nature in *A. sinensis* soil sickness. The pot experiment include three treatments (i) contol, which represent as the soil in pot taken from spring wheat stands, (ii) AA, which represent as the soil in pot taken from *A. sinensis* stands, (iii) S-AA, which represent as the soil in pot was sterilized by steam at 121°C for 4 h taken from *A. sinensis* stands. Results showed that the plant height, dry weight of aboveground part and roots, root yield and quality, and the activities of SOD and POD in leaves were significantly higher in sterilized replant soil than in non-sterilized replant soil treatment, while the activity of CAT and content of MDA in leaves were declined, which indicated that soil sterilization improved plant haleness and increased the activities of active oxygen scavenging enzymes. The results also demonstrated that soil sterilization can change the number of culturable microbial populations and the species diversity of bacterial functional group. Higher Shannon-Wiener index was found in rhizosphere soils under sterilized soil cropping than that under non-sterilized soil cropping. This suggests that the biological factor played a causal role in the development of *A. sinensis* soil sickness and sterilization of continuous cropping soil could change the composition and structure of soil microbial community, which further promote plant growth and alleviate *A. sinensis* soil sickness.

[View full text article →](#)

Next: [Alternative strategies to control root-knot nematodes \(Meloidogyne... >>](#)
[Return to Search Results](#)

[Top of page](#)

Abstract details

Author(s)
[Zhang XinHui](#); [Lang DuoYong](#);
[Zhang EnHe](#)

Author Affiliation
 College of Pharmacy, Ningxia Medical University, Yinchuan 750004, China.

Author Email
zhang2013512@163.com
zhanqeh@qqsau.edu.cn

Journal article
[International Journal of Agriculture and Biology](#)
 2016 18 2 458-463

ISSN
 1560-8530

Publisher Information
 Friends Science Publishers Faisalabad Pakistan

Language of Text
[English](#)

Language of Summary
 English

URL
<http://www.fsublishers.org/published...>

Organism descriptor(s)
[Angelica sinensis](#)

Descriptor(s)
[catalase](#)
[continuous cropping](#)
[crop quality](#)
[crop yield](#)
[enzyme activity](#)
[enzymes](#)
[growth](#)
[leaves](#)
[malondialdehyde](#)
[medicinal plants](#)
[peroxidase](#)

书目信息

元数据

点击作者 Lang Duo Yong, 显示与作者相关的所有文章。与在检索框中直接检索姓名相同。

Abstract details

Author(s)
[Zhang XinHui](#); [Lang DuoYong](#);
[Zhang EnHe](#)

Search Horticulture Compendium Smart searches My HC

au:"Lang DuoYong" Filter by type Search

Advanced Bibliographic Search

1 result found

Results per page: 10

Search results Results

Mark: All / None
[Abstract](#) [Full text](#)

☆ [Effects of soil sterilization on growth of *Angelica sinensis* plant and soil microbial populations in a continuous mono-cropping soil.](#)

Angelica sinensis (Oliv.) Diels (family Apiaceae) is a perennial herb that has been widely used in Traditional Chinese Medicine. The soil sickness has become one of the major constrains in *A. sinensis* cultivation. A pot experiment was done to evaluate the role of biological nature in *A. sinensis*...

Refine Results

Sort Order
[Relevance](#)
[Date \(Recent First\)](#)
[Date \(Oldest First\)](#)
[Alphabetical \(A to Z\)](#)

高级检索
领域检索

Common Search Fields		Additional Search Fields	
Description	Field Tag	Description	Field Tag
Abstract	ab	Additional Authors	ad
Author affiliation	aa	Author Affiliation	aa
Descriptor	de	CAS Registry Numbers	ry
Organism Descriptor	od	Conference Dates	cd
Geographic Locator	gl	Conference Title	ct
Broad term	up	Corporate Author	ca
Identifier	id	Country of Publication	cp
Publication source	do	Descriptors	de
Publisher	publisher	Digital Object Identifier	oi
CABICODE	cc	Document Editors	ed
Conference	ct	Document Title	do
Language	la	Email	em
Publication type	it	English Item Title	et
Year	yr	Non English Item Title	ft
Record number	pa	Geographic Location	gl
DOI	oi	Identifiers	id
ISSN	sn	ISBN	bn
ISSN	bn	ISSN	sn
		Item Type	it
		Language(s) of Summary	ls
		Language(s) of Text	la
		Location of Publisher	lp
		Main Abstract	ab
		Organism Descriptors	od
		Pan Number	pa
		Personal Author	au
		Personal Author Variants	av
		Publisher	pb
		CABI Product Code	sc
		Up-posted Descriptors	up
		Web URL	ur
		Year of Publication	yr

领域检索也可以和一般检索相搭配

Single word search: gl: Europe

Multiple word search: gl: Europe AND Climate Change

Searching with parentheses: gl: Europe AND Climate Change (NOT Global Warming)

元数据检索

Fields	Tags	Description	Example
Organism Descriptor	od:	The Organism Descriptor field is used for animal and plant names	od: tomato
Geographic Location	gl:	Geographic Location field is used for country and other geographic names	gl: Germany
Descriptor	de:	The Descriptor field is used for all the "other" terms that are neither animal, plant or geographic	de: soil management
Broad Term (Up-posted Term)	up:	The broad term is used to search for the keyword and narrower terms in the vocabulary hierarchy as defined in CAB Thesaurus	up: Europe
Identifier	id:	This field is used for non-preferred index terms	id: cryptochrome

超级检索

超级检索允许用户检索跨学科领域的相关数据。

当用户想要检索书目信息与文章题目或文章作者相关联时,使用以下两种超级检索

Super index name	Super index field tag	Fields searched	Example
Title	title:	English title Foreign title	title: Europe AND Climate Change (NOT Global Warming)
Author	author:	Personal author Author variant Additional author Document editor Corporate author	author: EPPO

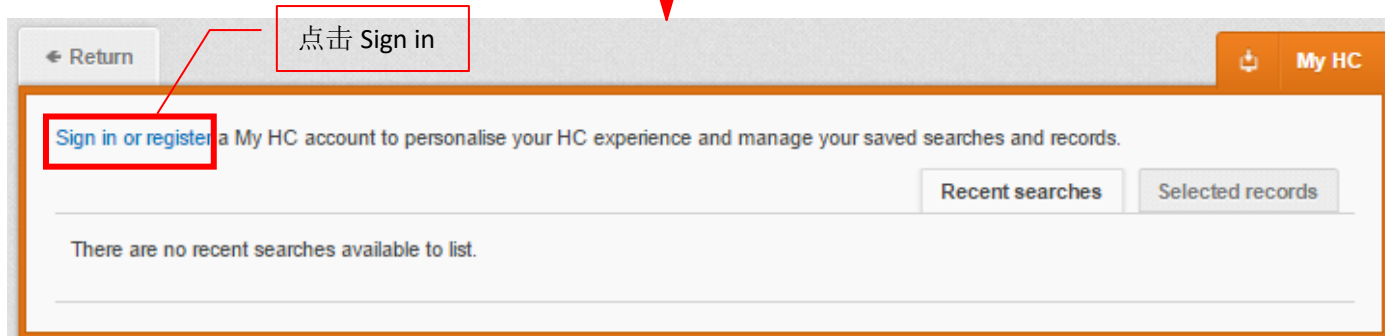
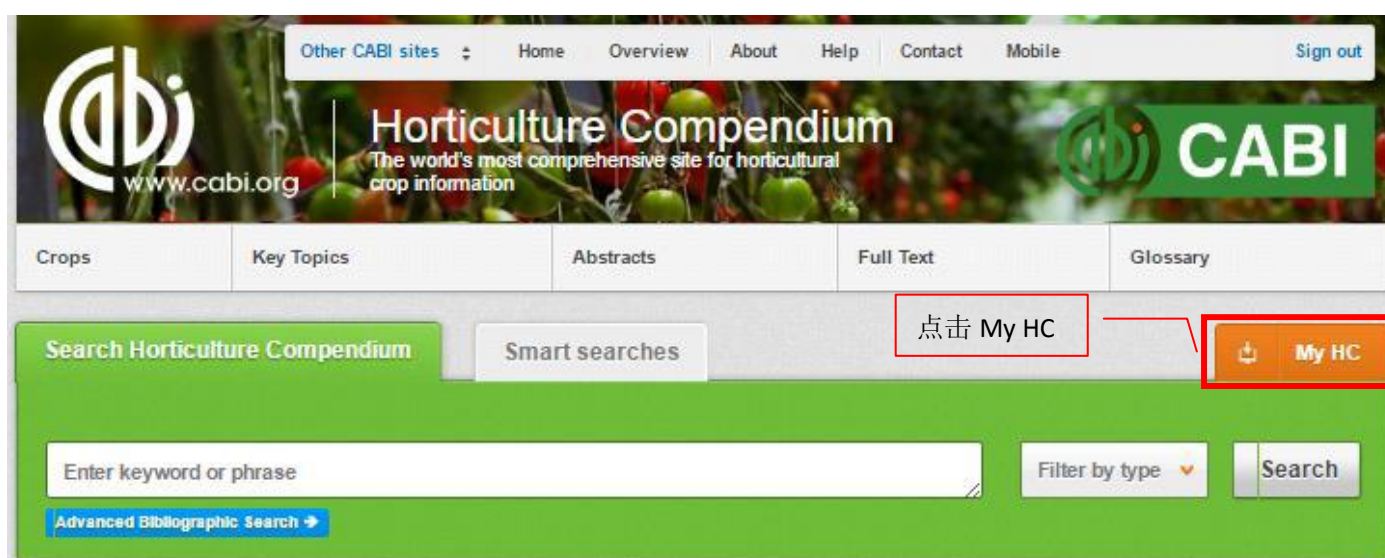
当用户想要对索引词或者元数据进行检索时，可以使用主题索引。

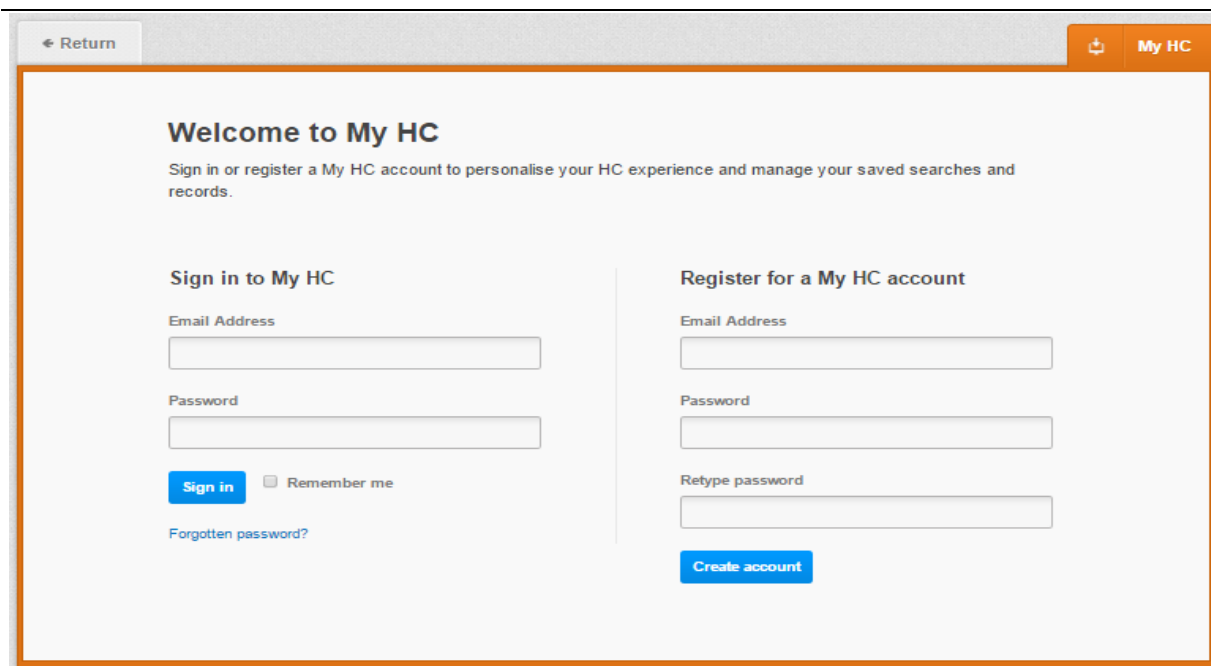
Super index name	Super index field tag	Fields searched	Example
Subject	subject:	Descriptor Geographic location Organism descriptor Identifier	subject: phytopathogens

我的 HC

“My HC”可以帮助用户提高检索功能：
整理和保存检索；保存记录；导出引文；创建提醒。

创建“My HC”账户：





已选择的检索结果

在进行检索之前，可以先登录“My HC”。找到想要的数据库时，可以直接保存到“My HC”。

953 results found

1 2 3 4 5 6 7 8 9 10 Results per page: 10 ▾

Search results Results

Mark: All / None

Abstract Full Text

★ **Recent advances and current status of the use of heat treatments in postharvest disease management systems: is it time to turn up the heat?**

Background: Postharvest diseases of harvested commodities cause significant reductions in food availability and financial profits. Additionally, regulatory agencies are increasingly restricting or banning the postharvest use of synthetic chemical fungicides. This has increased the need to develop...

Author(s) Sui Yuan; Wisniewski, M.; Droby, S.; Norelli, J.; Liu Jia
Publisher Elsevier Ltd, Oxford, UK
Citation Trends in Food Science & Technology, 2016, 51, pp 34-40

[View full text article →](#) [Save to My HC](#)

附录 A: 检索技术

Search Technique	Example	Description	Function	Reason to use
Single word search	horticulture	Searches using a single word term	Returns a broad range of results for a particular word/topic	Provides a broad overview of a scientific area of interest
Boolean search	"Citrus aurantifolia" AND distribution	Searches using the operators AND, OR and NOT	Performs searches on multiple concepts that provides specific keyword searching for an area of interest that can include or exclude other concepts.	Allows the user to conduct more controlled searching. Can be used to omit homophones
Phrase searching	"Citrus aurantifolia"	Use quotation marks before and after a multiple word phrase	Returns results only containing the entire phrase	Narrows searching to records that only contain the whole phrase
Parentheses	"Citrus aurantifolia" AND (distribution OR coverage)	Searches using keywords, Boolean operators and parentheses.	Used for searches that contain multiple Boolean operators to define the correct search logic	Refines searches with Boolean operators further to provide limited search results
Truncation & wild cards	"Citrus aurantifolia" AND (distrib* OR coverage)	Uses the symbols * and ? in keyword search	Using the * returns results with different word stems for the root word Using the ? symbol allows users to specify unknown characters	The * allows users to broaden results to keywords with differing word stems e.g. pop* = popular, population, etc. The ? returns results using a keyword that may differ in spelling.

附录 B: 数据表形式

Datasheet type	Description	Topic coverage
Crop:	Datasheets providing detailed information on the identity and cultivation of horticultural species	<ul style="list-style-type: none"> • Identity, taxonomy, description • Distribution (data & map) • Environmental amplitude • Cultivation, management and uses • List of pests • Biology and ecology
Pest:	Datasheets for pests that horticultural crops	<ul style="list-style-type: none"> • Taxonomy, description • Distribution (data & map) • Host, symptoms, biology • Movement in trade • Impact • Management
Country:	Basic datasheets covering countries and geographic regions	<ul style="list-style-type: none"> • Country statistics from the World Bank • List of pests • Land use data from FAOSTAT