

www.avocadosource.com

the avocado world at your fingertips

The goal of avocadosource.com is to bring avocado knowledge to the world.

- Most avocado commercial and research experience is less than 100 years and the information is scattered everywhere, much of it inaccessible.
- Important research conducted in emerging and expanding industries such as Chile and Mexico was not available to the general public.
- Belong collections of photographs were being lost upon the passing away of those individuals who took them.

The Internet permits the integration of all available studies in one location, easily accessible and efficiently managed. Avocadosource.com is this location – the virtual avocado library at your fingertips.

Samples of avocadosource.com features

Allow the viewer to view updated country statistics, phenology information, and links to industry websites and weather links.

The screenshot shows a search bar with 'English' selected and a dropdown menu for 'Translate To' with options: Spanish, French, German, Portuguese, Chinese, Japanese, Korean.

These features will be changed once most of the material will be posted.

What can you find among the current 20,000 files in avocadosource.com?

- Research thesis and abstracts from around the world
- The proceedings of World Avocado Congresses I – V
- The yearbooks of the California Avocado Society CAS
- The yearbooks of the South African Avocado Growers Association (SAAGA)
- The Publications of the American Society of Horticultural Sciences
- The Publications of the American Phytopathological Society
- The Publications of the American Society of Plant Biologists
- Proceedings of Avocado Brainstorming '99
- Australian & New Zealand Avocado Growers Conference 2001
- Slides from researchers and individuals featuring varieties, genotypes, nutrition, diseases and more
- Who's who – avocado people
- Country specific industry information and links

Search avocadosource.com

http://www.avocadosource.com/search.asp

Allows the viewer to search the website for either authors, documents or slides.

Searching for Documents

The screenshot shows a search form with fields for 'Words in Description', 'Words in Title', and 'Document Authors'. A 'Search' button is visible.

Please note that the term 'AVAGACATE' is called 'AVOCADO' in English, German and Italian. The fruit 'AGUACATE' and the tree 'AGUACATEIRO' is used in Spanish, Latin America and northern South America, the fruit 'PALTA' and the tree 'PALTO' in Chile, Ecuador and Peru, 'AVOCAT' in French and 'AVOCATE' in Portuguese.

An example of searching for "pollination" as a word in the title

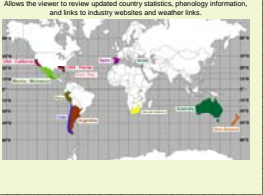
The screenshot shows a list of 10 search results for 'pollination' in titles, including document titles, authors, and links to full documents.

An example of the information provided for most avocado producing countries

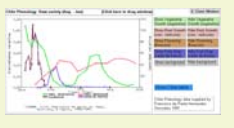
Area	Production (1000 tons)	Area (1000 ha)	Yield (tons/ha)
World	10,000,000	1,000,000	10
USA	1,000,000	100,000	10
Spain	1,000,000	100,000	10
Chile	1,000,000	100,000	10
Mexico	1,000,000	100,000	10
Peru	1,000,000	100,000	10
Ecuador	1,000,000	100,000	10
Colombia	1,000,000	100,000	10
Costa Rica	1,000,000	100,000	10
Venezuela	1,000,000	100,000	10
Argentina	1,000,000	100,000	10
Brazil	1,000,000	100,000	10
Guatemala	1,000,000	100,000	10
Honduras	1,000,000	100,000	10
Nicaragua	1,000,000	100,000	10
Panama	1,000,000	100,000	10
Paraguay	1,000,000	100,000	10
Uruguay	1,000,000	100,000	10
Zimbabwe	1,000,000	100,000	10

World Avocado information

http://www.avocadosource.com/world.asp



When you select "Show phenology" a graph of the phenological model for "Hass" avocado for the specific country appears.



Tools in avocadosource.com

http://www.avocadosource.com/tools.htm

The screenshot shows the 'Irrigation Scheduling Calculator' tool, which allows users to input location, crop, and other data to calculate irrigation needs.

Irrigation Scheduling Calculator

The screenshot shows the 'Recommended Fertilizer Calculator' tool, which allows users to input crop, soil, and other data to calculate fertilizer requirements.

This example shows how a grower can design a fertilization program from a list of available fertilizers

English Unit	Metric Unit	N	P	K	Ca	Mg	S	Zn	B	Cu	Mn	Fe	Other
Avocado (1000)	100	100	100	100	100	100	100	100	100	100	100	100	100
Avocado (1000)	100	100	100	100	100	100	100	100	100	100	100	100	100
Avocado (1000)	100	100	100	100	100	100	100	100	100	100	100	100	100
Avocado (1000)	100	100	100	100	100	100	100	100	100	100	100	100	100

An example of searching for "zinc" as a word in the title

The screenshot shows a list of 10 search results for 'zinc' in titles, including document titles, authors, and links to full documents.

Searching for Slides

The screenshot shows the 'Searching for Slides' interface, which allows users to search for presentation slides by author or title.

Useful Resources and Links

- Many useful resources to subjects that are directly linked to avocado and many other subjects to help enhance the reader's knowledge and background information. Sub-headings include:
 - Avocado People
 - Crop Management
 - Diseases and Disorders
 - Genetics
 - Flora
 - Flowering, Pollination and Bees
 - Fertilization
 - Food and Food Production
 - Genetics/Conservation
 - Horticulture
 - Human Nutrition - Medicinal and Therapeutic Use
 - International Resources and Trade Issues
 - Irrigation
 - Literature Resources Links
 - Organic Agriculture
 - Pests and Biological Control
 - Photography
 - Postharvest
 - Propagation
 - Reproduction
 - Salinity
 - Soils and Soil Biology
 - Technology

FLOWERING, POLLINATION AND BEES

- Flowering**
[Avocado Flowering Basics](#) - Appala, Fetscher and Hofshi
[Avocado Flowering](#) - Davenport, T. L. 1986. In: J. Janick (ed) Horticultural Reviews, Volume 8:257-269
[Flowering and Fruiting of Plants](#) Carl Hayden Bee Research Center
[Interpreting and Flower Development of the Hass Avocado \(Persea americana Mill.\)](#) Hwang, C.H. and J. J. Amoroso, Samuel Salazar-Garcia and Carol J. Lovett. J. AMER. SOC. HORT. SCI. 126(1): 25-30, 2000
[Use of DNA to Determine Flowering and Yield of Hass Avocado](#) - Samuel Salazar-Garcia and Carol J. Lovett. J. AMER. SOC. HORT. SCI. 126(1): 25-30, 2000
FLOWERING OF AVOCADO (Persea americana Mill.) - S. Salazar-Garcia, C. J. Lovett - Revista Chapingo
- FLORING, POLLINATION AND BEES**
[A NEW CONCISE AND FLORING DEVELOPMENT](#) (PDF) (Adobe Acrobat File)
[POLLINATION WITH GA](#) (PDF) (Adobe Acrobat File)
- Pollination**
[All about Bees and Pollination Handbook](#) - Carl Hayden Bee Research Center
[Avocado Pollination](#) - by E.R. Koenig
[Avocado Pollination Basics](#) - Gad Ish-Am (Presentation in English)
[Beekeeping Basics as a Pollination of Avocado](#) (PDF) - Gad Ish-Am (Presentation in Spanish)
[Honey Bee Pollination of Avocado in Western Australia](#) - Department of Agriculture - Western Australia
[Dial Code of Avocado Flowering](#) - by Peter A. Peterson, in California Agriculture, 1955, 9:110-119, 7:13
[English Avocado Cultures for Pollination](#) - A guide for growers and beekeepers - from Oregon State
[Honeybees \(Apis mellifera\) are the only avocados](#) - by Arnon Dag, A. Elizabeth Fetscher, Chad Aik, Yelena Yelashin, Arthur Schirler, Yossi Kanner, Nicholas M. Wasar, Monica A. Malone, Mary Lu Appala, Reuben Hofshi, and Shantel Shafiq
[IDENTIFICATION AND EFFICIENCY OF POLLINATING INSECTS OF AVOCADO IN THE STATE OF MICHIGAN](#) (PDF) - COLEGIO DE POSTGRADUADOS INSTITUTO DE FITOSANIDAD - in Spanish
[Los métodos de avocados \(Persea americana Mill.\)](#) (Thesis in Spanish) (Adobe Acrobat File)
[Pollination of Hass Avocado](#) - G. Ish-Am and D. Eskinowich, Journal of Horticultural Science & Biotechnology (1998), 73 (2): 195-204 posted with permission from Gad Ish-Am
[History of Hass Avocado Cultures for Pollination](#) - A guide for growers and beekeepers - from Oregon State
[Eskinowich, Apollidogis 29 \(1988\)209-219](#) posted with permission from Gad Ish-Am
[Eskinowich, Lecture 21 - Pollination - University of Maryland](#)
[Pollination Information by Crop](#) - from the Pollination Homepage - www.pollination.com
[Pollination of Avocado](#) - from the Pollination Homepage - www.pollination.com
[Pollination and Fertilization in Hass Avocado](#) - by Schneider and Hofshi, Subtropical Fruit News
[The effect of the avocado leaf-miner on the pollination of Hass Avocado](#) - by Schneider and Hofshi, Subtropical Fruit News
[Pollination of Hass Avocado](#) - Gad Ish-Am and Dan Eskinowich, 1993, Journal of Agricultural Research 32 (4):715-716, posted with permission from Gad Ish-Am
[The Avocado of Avocado](#) - P.H. Stout, 1933, University of Florida Agricultural Experiment Station, Bulletin 287
- Bees**
[USDA: Bee Biology and Systematics Literature Logon](#) - Link
[New York University](#) - Ohio State University
[New York University: Beekeeping Program](#) - Susan Cobley - Ohio State University
[Avocado: Necessities](#) - UC Davis Department of Entomology
[Bee Bees](#) - by Dr. Eric Mussen UC Davis
[Bees: Beekeeping Association](#) - Useful site for beekeepers

This web site is funded and managed by the Hofshi Foundation. www.avocadosource.com is provided free of charge by the Hofshi Foundation to all those interested in the avocado. For information and contribution of materials, contact Reuben Hofshi at rhofshi@avocadosource.com. For comments or problems with this web site, contact Shantel Hofshi at shofshi@avocadosource.com