

Washington Potato Commission Research and Information

Andy Jensen, Washington State Potato Commission

The Washington State Potato Commission was created in 1956 with two primary functions: 1) promotion of Washington potatoes, and 2) research. Since that time the commission has taken on many other activities on behalf of the growers, but research information has remained a primary focus. The commission has always worked hard to generate research information and materials that are helpful to growers in their efforts to profitably grow potatoes in Washington.

The latest major effort by the commission has been the www.potatoes.com website and the research library database on that website. To access the research library, simply go to www.potatoes.com and click on the Research tab on the left. You will be presented with the screen shown below. Then click on the Research Library tab as marked by the arrow.

WSPC Research

- Research Projects, 2006
- Research Library (Potato Progress, Conference Proceedings, Pest Information)
- Pest Identification Cards
- Research Links
- IPM Guidelines, Pesticide Resistance Management

Regional tuberworm trapping data are available [here](#).

Regional beet leafhopper trapping data are available [here](#).

For help identifying your moths or leafhoppers, see the Pest Identification Cards, above (password required).

Search

[Advanced Search](#)

Questions or comments on WSPC research?
Contact Andy Jensen at 509-765-8845 or ajensen@potatoes.com

The research library login page shown below allows you to login to the library, request a password, or request a reminder of your password.

Research Library Login

Please login to the Research Library using the form below.
Forgot your Password? Then [click here](#).
Need a password? Then [click here to request a password](#).

Email	<input type="text"/>
Password	<input type="password"/> (10 characters max.)

Note: for improved security your login expires after 30 minutes of inactivity.

If you need a reminder of your password, there is a simple page to enter your e-mail address, and the system will automatically send you a reminder, usually within a few minutes. If you don't have a password, you can request one, and we will try to respond within a day (this process is not automatic).

Once you have a password, login as shown below.

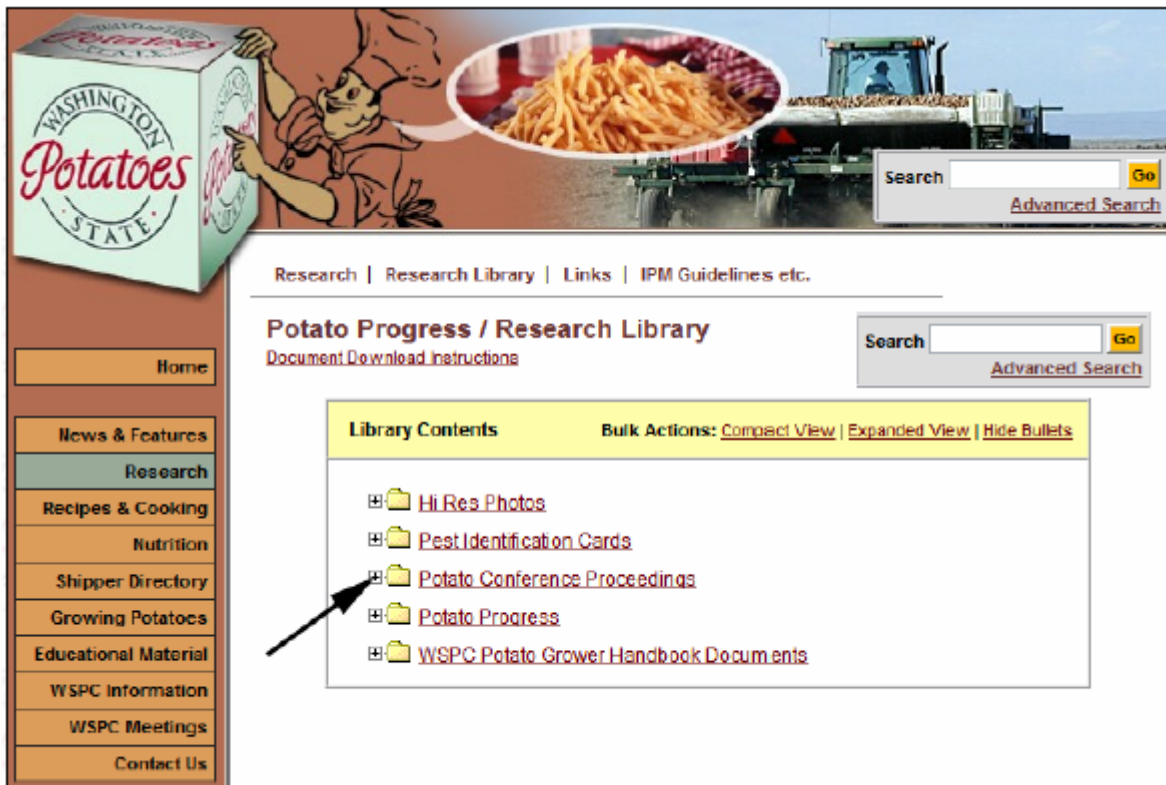
Research Library Login

Please login to the Research Library using the form below.
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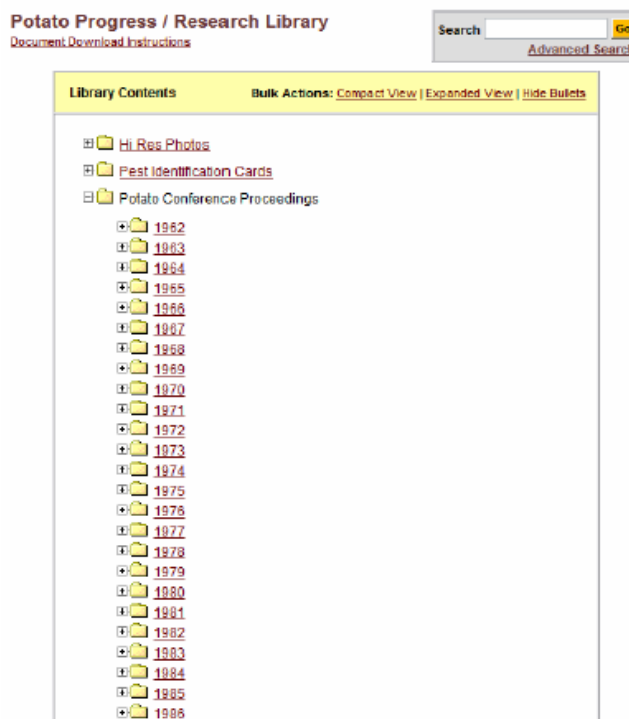
Email	<input type="text" value="ajensen@potatoes.com"/>
Password	<input type="password" value="••••••••"/> (10 characters max.)

Note: for improved security your login expires after 30 minutes of inactivity.

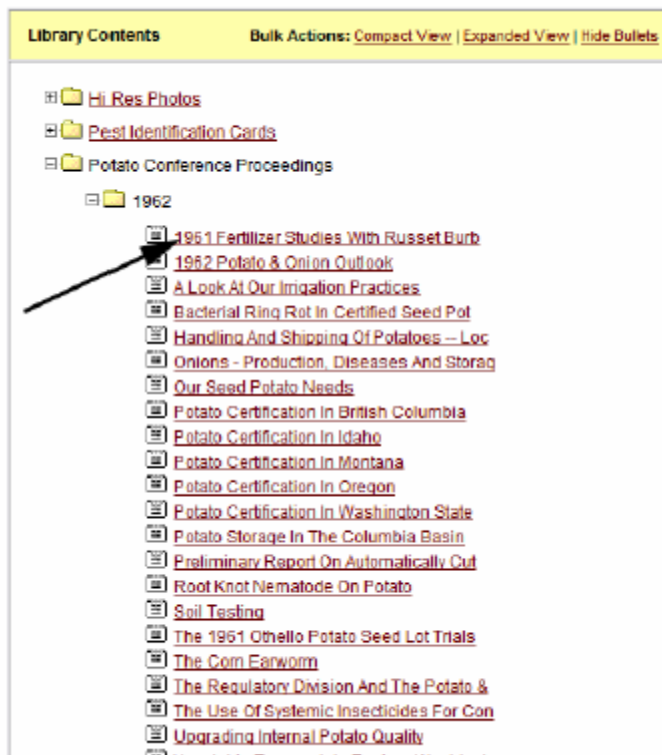
Browsing the Research Library. Once you have logged into the research library, you will be faced with the page below. This is the browsing page, and is useful if you know what you want and where to find it, or you just want to poke around and see what we have posted. Clicking on the small plus signs, as indicated below, will expand the folders and show what's inside.



This page shows part of the list of years that we have posted to the Washington State Potato Conference Proceedings.



If you click on the plus sign next to the 1962 folder, you get this display.



Clicking on one of the partial titles shown in the list brings up a separate window that allows you to review the entire title and see other information about the article. If you want to read the article, you need to click on "Click Here to Download." All the articles in the library are saved as PDF files so you must have Adobe Acrobat or Adobe Reader on your computer to view the files. Adobe Reader is a free program easily downloaded from Adobe.com.

Title: 1961 Fertilizer Studies With Russet Burbank Potatoes

[Click Here to Download](#)

First Uploaded: September 14, 2006
Last Revised: September 14, 2006
File Size: 163 kbytes

Author(s): Robert Kunkel

Source: *Washington State Potato Conference Proceedings*

Year: 1962

Length (words): 0

Keywords:

Searching the Research Library. Many times you will not know exactly the article you want, but will instead want to find out if there is anything available on a certain topic. The best way to search for things in the research library is to use the “advanced search” option. The screen will look as shown below. Select one of the items under the Research Library heading, as shown, and type in your topic, person, place, etc. Click on Go.

Search Our Website

Advanced Search

Search for

Search Entire Website

— OR —

Search Specific Areas (select all that apply)

Research Library

- Documents
- Author
- Title
- Key Words
- Subtitles

Other PDFs

- General

Recipes

- Recipes

News and Features

- News and Features

Fresh Packers & Shippers

- Fresh Packers & Shippers

Standard Web Pages

- All Standard Pages

If you were to do this search for “hollow heart,” you will see that over 50 articles in the library contain that phrase. So, there are ways to limit the number of items you find, and get more specific information. Let’s pretend you want to know something about hollow heart as it relates to hot weather. If you type a search: “hollow heart AND heat” you get a list that looks something like the following, except that the list includes nineteen items. The underlined title of each item is a clickable link to that article.

Search Our Website

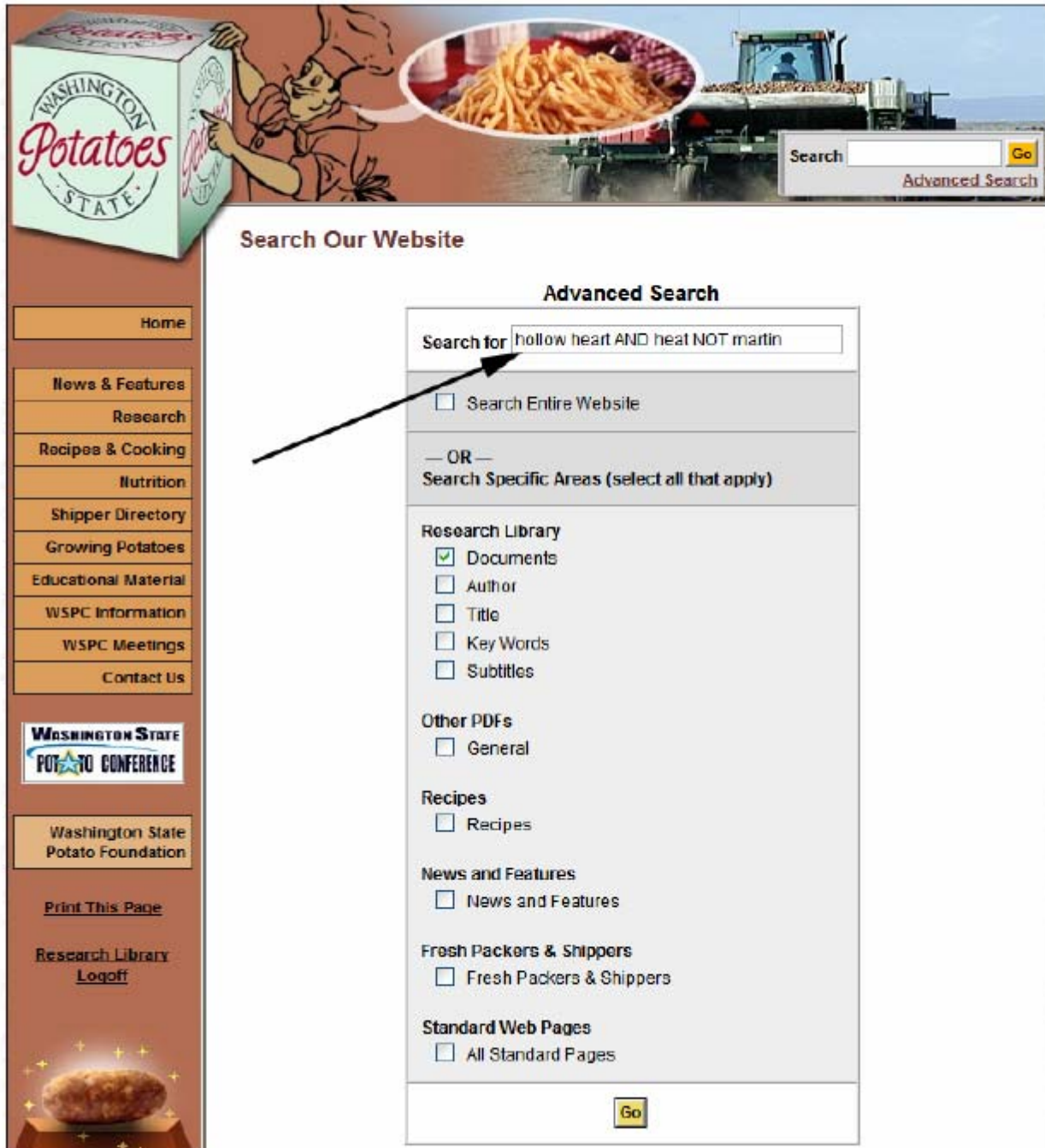
— Results — [Search Again...](#)

(Research Library) [Cultivar Reaction to Gradually Declining Irrigation Rates or Interruptions in Irrigation](#)
Author: M.W. Martin and D.E. Miller
Source: Washington State Potato Conference Proceedings
Year: 1986
 CULTIVAR REACTION TO GRADUALLY DECLINING IRRIGATION RATES OR INTERRUPTIONS IN IRRIGATION by M. W. Martin and D. E. Miller 1 Developing Methods of Screening for and Evaluating Water Stress Resistance We are trying to determine which types of water stresses are most useful in identifying water stress resistance or susceptibility in potato germplasm or potential new cultivars. Response of Nooksack to Water Stresses Nooksack was much less severely affected by these four water stresses than was

(Research Library) [DISEASE, PEST, AND STRESS RESISTANCES AVAILABLE IN COMMERCIAL TYPES](#)
Author: Mark Martin
Source: Washington State Potato Conference Proceedings
Year: 1993
 The resistant lines had much better specific gravities than RB, ranging from 8 points higher for Line 286 to 28 points higher for Line 275. Performance of four resistant lines in disease nurseries The four multi-resistant lines emphasized in this report became infected with all common potato viruses and early dying diseases when grown in disease nurseries. Performance of four resistant lines in chronic disease trials When virus diseased tubers of RB and the four seed to plant chronic

(Research Library) [The Calcium Update: Impact of Calcium Nutrition on Tuber Quality and Yield](#)
Author: Jiwan Palta
Source: Washington State Potato Conference Proceedings
Year: 1996
 119 THE CALCIUM UPDATE: IMACT OF CALCIU NUTRITION ON TUBER QUALITY AN YILD Jiwan P. Palta Department of Horticulture, University of Wisconsin, Madison, WI 53706 Recent evidences implicate that potato tuber quality can be improved by increasing the calcium content of the tubers. Discovery of tuber roots: Application of soluble Ca around the tuber area can enhance tuber Ca uptake Over 11 years ago, we provided evidence for the existence of functional roots on the tuber and at the tuber-stolon

Now as you scroll through the nineteen items in the list shown above, you would notice that many of the articles were written by Mark Martin. Let's pretend that you know the article you wanted was not written by Mark Martin. You could type in a search as shown below. This search results in a list of nine articles, perhaps a small enough number to look through each one for the information you need.



The image shows a screenshot of the Washington State Potato Foundation website. At the top, there is a banner with a cartoon character holding a potato box, a photo of french fries, and a photo of a potato harrow. A search bar is located in the top right corner with the text "Search" and a "Go" button. Below the banner, the main content area is titled "Search Our Website" and "Advanced Search". The search input field contains the text "hollow heart AND heat NOT martin". Below the search input, there are several sections with checkboxes for filtering search results:

- Search Entire Website
- OR —
Search Specific Areas (select all that apply)
- Research Library**
 - Documents
 - Author
 - Title
 - Key Words
 - Subtitles
- Other PDFs**
 - General
- Recipes**
 - Recipes
- News and Features**
 - News and Features
- Fresh Packers & Shippers**
 - Fresh Packers & Shippers
- Standard Web Pages**
 - All Standard Pages

A "Go" button is located at the bottom right of the search results area. On the left side of the page, there is a vertical navigation menu with the following items: Home, News & Features, Research, Recipes & Cooking, Nutrition, Shipper Directory, Growing Potatoes, Educational Material, WSPC Information, WSPC Meetings, Contact Us, Washington State Potato Conference logo, Washington State Potato Foundation, Print This Page, Research Library, and Logoff. At the bottom of the left sidebar, there is a small image of a potato with stars around it.

The bottom of the "Advanced Search" page also gives the following instructions and advice.

Advanced Search Instructions

You can include various "special words" (operators) in the "Search for" box to help refine your search. This is one case where a few examples are better than a lengthy discussion. (In these examples, [square brackets] are used to denote the content in the search box. The square brackets themselves should be omitted.)

- [Bob, Joe, Jane] searches for any documents containing any one (or more) of "Bob", "Joe", or "Jane".
- [Bob OR Joe OR Jane] is identical to the example above. "Or" and comma have the same meaning.
- [Bob AND Joe] searches for any documents containing BOTH "Bob" AND "Joe".
- [Bob AND (Joe OR Jane)] searches for any documents that contain Bob AND either Joe OR Jane.
- [(Bob AND Bill) OR (Joe AND Jane)] searches for any documents that contain both Bob AND Bill or both Joe AND Jane.
- "Bob And Jane" searches for an exact match of the contents inside the double quotes.

Other general rules regarding searches are as follows.

- * is a wildcard for any number of characters.
- ? is a wildcard for any single character.
- The search looks for whole words and stems related to whole words. It doesn't look for word fragments. For example a search on "leph" will NOT find "elephant". Meanwhile, a search on "elephant" will find "elephants", the latter being a plural stem from the root word.
- Words with a "stem" that matches a search word's stem will be found. For example, "tax" will return "tax, taxing, and taxation." "taxation" will find "tax, taxing, and taxation." "planets" will find "planet, planets, planetology". "run" will find "run and running".
- ALL mixed-case searches are assumed to be case-sensitive. Single-case searches are NOT case sensitive. For example, "employee" and "EMPLOYEE" will return exactly the same results. Meanwhile, "Employee" will find "Employee" but not "EMPLOYEE".

If you would like any further help with the website, or have questions or comments, please feel free to contact us at the commission office.