



VITIS-VEA is an international English-language literature database in the field of viticulture covering morphology, physiology, biochemistry of grapevine, soil science, genetics and grapevine breeding, phytopathology and grapevine protection, cellar techniques, economics of viticulture and oenology, oenology and microbiology of wine from 1969 onwards. Back-files of the periodical VITIS – Journal of Grapevine Research date until 1957.

Homepage

The homepage can be found at <http://www.vitis-vea.de>.

 A screenshot of the VITIS-VEA homepage with several callout boxes pointing to specific features. At the top left is the logo for JKI (Julius Kühn-Institut) and the text "Bundesforschungsinstitut für Kulturpflanzen". To the right is a banner with the "VITIS" logo and "Viticulture and Enology Abstracts". On the left side, there is a navigation menu with items like "Home", "Database Description", "Advanced Search", "Informationsdienst Praxis", "Additional Resources", "Contact", "Disclaimer", and "Login". The "Home" item is circled in red. In the center, there is a search form with a "Search for:" input field, "Search" and "Clear" buttons, and a section for "Search options" and "Results" with examples like "wine", "vine resistance", and "vine AND resistance". Below the search form is a "Boolean Full-Text Search" section with a "help" link. At the bottom, there is a "Navigation frame" with a ">> Deutsch" link. Callout boxes contain the following text:

- "Easy search form with examples" pointing to the search input field.
- "Basic search form with all boolean operators" pointing to the search options and results section.
- "Navigation frame" pointing to the ">> Deutsch" link.
- "German version" pointing to the ">> Deutsch" link.

Doing easy searches

In the centre of the page you find an easy search form. Just enter your search terms separated by a blank. Articles containing all your search terms will be searched for (e.g. vine resistance: all articles containing both wine AND resistance. Truncations

will be added automatically, e.g. vine, vineyard etc.). If you join search terms by a comma, articles containing one or more of your search terms will be searched for (e.g. vine,resistance: all articles containing either vine, OR resistance OR both vine and resistance).

By clicking on "Boolean Full-Text Search" you will have more Boolean operators at your disposal for your search (see explanation below).

Navigation Frame

To the left of the page you can navigate to different pages of the database, with the home page on the top, followed by a description of the database, an advanced search form, search and printing options for articles in German (Informationsdienst Praxis, see help file in the German version of the database), a link collection, a contact form, the disclaimer and the login for internal database administration.

Below the navigation frame you find the link to the German version of the database.

Boolean Full-Text Search

Search for:		<input type="text"/>	<input type="button" value="Search"/>	<input type="button" value="Clear"/>
Search options:	Results:			
+wine or "wine"	ONLY wine			
+vine +resistance	wine AND resistance			
+vine -resistance	wine WITHOUT resistance			
wine*	wine, wine medium, wine quality etc.			
vine resistance	wine OR resistance			
				help

Like in the easy search form on the home page you have one field to enter search terms. The difference is that entered search terms are not automatically truncated, please add an asterisk at the end of your search term if you want to automatically search for different endings of your term (e.g. vin*: search for vine, vineyard, vintage etc.). You have the Boolean operators AND (+vine +resistance = articles with both vine AND resistance), OR (vine resistance = articles with either vine OR resistance, OR vine and resistance), NOT (+vine -resistance = articles with vine, but without resistance) at your disposal. Please note that Boolean operators must be

placed before the search term without blank. Different search terms, however, must be separated by a blank.

Hit list

After you hit the "search" button, you receive a list of the search hits with an export menu at the bottom of the page. You can browse through the list and select individual articles. For export of the selected articles, the export menu gives you further options. If you already have selected individual articles, please skip the first point of the export menu. If you prefer to export the whole list, you can select all articles. You can undo this by clicking "deselect". You can choose if you want to export the whole article or only bibliographic data (title, authors, journal, pages) plus an abstract, if available. Selected articles can be exported as text, as Excel-file or as Reference Manager-file. You start exporting by hitting the "export" button.

The screenshot shows the VITIS database search results page. The header includes the JKI logo (Julius Kühn-Institut) and the VITIS logo (Viticulture and Enology Abstracts). The search results section displays a list of four articles, each with a checkbox for selection. Callouts point to various features: 'Select hits' points to the checkboxes; 'Hit list, click on title for full database entry' points to the article titles; 'Export menu for selected hits' points to the 'Export Menu' section at the bottom; 'Print full list' points to the 'Gesamtsite drucken' button; and 'Export as text, table or reference manager file' points to the 'Export' button and the 'RIS-Format' dropdown menu.

Search Results:
There were 2369 records found ..

1. **Author:** Welter, L. J.; Eibach, R.; Töpfer, R.; Zyprian, E.
Title: [Investigations on potential mildew resistance genes of grapevines]
Titel (orig.): Untersuchungen potenzieller Mehltauresistenzgene der Weinreben
Magazine titles: Deutsches Weinbau-Jahrbuch. **Source:** 59 66-71 **Year:** 2008 **ISSN/ISBN:** 0343-3714

2. **Author:** Adam-Blondon, A. P.
Title: [What benefits can viticulture possibly expect from genomics?]
Titel (orig.): Quels bénéfices la génomique peut-elle apporter à la viticulture
Magazine titles: Cahiers Agricultures. **Source:** 17-18 97-92 **Year:** 2007 **ISSN/ISBN:** 1166-7699

3. **Author:** Akkurt, M.; Welter, L.; Maul, E.; Töpfer, R.
Title: Development of SCAR markers linked to powdery mildew resistance in grapevine (*Vitis vinifera* L. and *Vitis* sp.)
Magazine titles: Molecular Breeding. **Source:** 19 1-6 1-6 **Year:** 2007 **ISSN/ISBN:** 1380-3743

4. **Author:** Alsina, M. M.; Herralde, F. de; Aranda, X.; Save, R.; Biel, C.
Title: Water relations and vulnerability to embolism are not related: Experiments with eight grapevine cultivars
Magazine titles: Vitis. **Source:** 46 (1) 1-6 **Year:** 2007 **ISSN/ISBN:** 0042-7500

Export Menu

1. Which records?
 Select All
 Deselect

2. Which record fields?
 Author,Title,Source indication
 plus Abstract
 Total Record

3. Which format?
RIS-Format

Export

If you want more information on an article when browsing through the list, you can click on the highlighted title. A pop-up window is shown with the full entry of the article in the database. You may have to enable pop-ups for this feature. Please note that not more than one pop-up window is opened by the database. If you choose not to close the pop-up window of an article, this window will be refreshed with new content when you click on the highlighted title of another article in the hit list and the

window may not pop up automatically then. You will have to click it up manually from the taskbar.

The page can be printed by hitting the "print" button on the upper right side of the pop-up window. Content in the window is displayed in black. Highlighted content provides links to external information (DOI: abstracts at publisher's website and access to full text if you or your institution hold a subscription with the publisher) or to the full text as pdf.

The screenshot shows a document record page with the following fields and callouts:

- Print** and **Close** buttons at the top right, with a callout: **Print document**.
- Type:** [JOUR]
- Number:** W1 07 1657
- Author:** Bessis, R.
- Corporation:** [Univ. de Bourgogne, Jules Guyot, Inst. Univ. de la Vigne et du Vin, 21000 Dijon, France]
- Title:** Evolution of the grapevine (*Vitis vinifera* L.) imprinted by natural and human factors
- Magazine titles:** Canadian Journal of Botany
- Source:** 85 (8) 679-690
- Publication Year:** 2007
- ISSN/ISBN:** 0008-4026
- Language:** En, fr
- DOI:** <http://dx.doi.org/10.1139/B07-060> (Callout: **Link to abstract or full text at publisher's website**)
- Abstract:** This paper is concerned with vegetative reproduction, which is the only mode of propagation in cultivated grapevines. After a brief summary of the systematics of the *Vitaceae* the question of the nomenclature of cultivated grapevines is discussed. Intra-varietal variability is discussed using morphological and molecular characteristics. The origins of variation are presented: mutations, foreign nucleic acids, and memory of previous environmental conditions. Grapevines provide characteristic products, leading viticulturalists to make selections among the diversity observed in the vineyard, thus decreasing diversity. Grapevines interact with various environmental agents. One example, the natural defence provided by resveratrol, is analysed, showing its direct effects against parasitic fungi and its indirect effects, both metabolic and genetic, on other organisms. Thus, the grapevine, viticulturalists, and their environment form a web of biological interactions. [20351] (Auth. abstract)
- Descriptor:** VITACEAE; VITIS; SYSTEMATICS; PHYTOALEXIN; RESISTANCE; PHARMACOLOGY; REPORT
- Copyright:** Reprinted from Canadian Journal of Botany, 85 (8) 679-690. Bessis, R.: Evolution of the grapevine (*Vitis vinifera* L.) imprinted by natural and human factors. Copyright 2007, with permission
- Full Text:** [e000125.pdf](#) (Callout: **Link to full text of the paper as PDF**)
- Controlled vocabulary from Thesaurus VITIS-VEA** (Callout pointing to the descriptor field)

Julius Kühn-Institut - Bundesforschungsinstitut für Kulturpflanzen (JKI) © JKI 2008

Advanced search

If you have a more sophisticated search to do, please click on "advanced search" on the navigation frame. You will receive a search form with multiple entry fields, the possibility of narrowing search to e.g. title, authors, abstract of an article, the possibility to search with controlled vocabulary of the [Thesaurus VITIS-VEA](#) and Boolean operators to join the entry fields.

The screenshot shows the JKI VITIS database search interface. The header includes the JKI logo (Julius Kühn-Institut, Bundesforschungsinstitut für Kulturpflanzen) and the VITIS logo (V iticulture and E nology A bstracts). The left sidebar contains navigation links: Home, Database Description, **Advanced Search** (circled in red), Informationsdienst Praxis, Additional Resources, Contact, Disclaimer, and Login. The main search area features five input fields, each with a dropdown menu to its right. Callouts explain: 'Multiple entry fields for search words' points to the input fields; 'Join entry fields by boolean operators' points to the 'AND' dropdowns; 'Additional options within entry fields' points to the search options below the fields; and 'List of search search' points to the dropdown menu options. The search options are: wine, vine resistance, vine, resistance. The results are: wine, wine medium, wine quality, vine AND resistance, vine OR resistance. Buttons for 'Search', 'Clear', and 'help' are visible.

Please enter your search terms into the entry fields. Behind the field you have a pull-down menu from which you can narrow to a search by journal title, author, title, conference title, year, document number and controlled vocabulary from the thesaurus VITIS-VEA. For a search all over the fields of the database please select "Keyword" from the pull-down menu. Within the entry field you can enter multiple search words and join them by Boolean operators AND / OR as in the simple search above. By default, the multiple entry fields are joined by Boolean operator AND. You can change this (OR, NOT) by the pull-down menu to the left of the entry field. The search starts by hitting the "search" button. You will receive a hit list like in the easy search (see above)



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