OSU Libraries
Collection Development

Library Evaluation for Category I Proposal

Graduate Certificate in Organic Agriculture
Title of Proposal

Agricultural Sciences
College

The subject librarian responsible for collection development in the pertinent curricular area has assessed whether the existing library collections and services can support the proposal. Based on this review, the subject librarian concludes that present collections and services are:

[ ] inadequate to support the proposal (see budget needs below)
[ ] marginally adequate to support the proposal
[X] adequate to support the proposal

Estimated funding needed to upgrade collections or services to support the proposal (details are attached)

Year 1:
$

Ongoing (annual):

Comments and Recommendations:

Date Received: 10/23/17

Date Completed: 10/25/17

Laurel Kristick
Collection Assessment Librarian

Laurel Kristick
Signature

Kerri Goergen-Doll
Head of Collections & Resource Sharing

Kerri Goergen-Doll
Signature

10/26/17
Date

Faye A. Chadwell
Donald and Delpha Campbell
University Librarian and
OSU Press Director

Faye A Chadwell
Signature

10/26/17
Date

Oregon State University Libraries Evaluation of the Collection Supporting a Proposal to Initiate a Program in Organic Agriculture

This Oregon State University Libraries and Press (OSULP) assessment reviews the print monographic, e-book, and electronic serials collections needed to support the proposed Graduate Certificate in Organic Agriculture. As stated in the Cat 1 proposal, the objective of this program is to provide this necessary expertise, and produce graduates who will then be able to effectively work in organic food production, processing, distribution, policy-making, education, or potentially beginning their own organic-related businesses. From the OSULP perspective, students and researchers will tap various components of the library collections.

Summary of Recommendations

OSULP supports the current agricultural programs at Oregon State University. This review will look specifically at the subject areas related to Organic Agriculture.

The monograph and journal collections are adequate to support the proposed program.

Print Monographs and E-Books

Library evaluations of proposed programs have traditionally included the analysis of OSULP's print monograph collection. Comparing the monograph collection with other universities' collections is routine. This analysis includes a comparison of the monograph collection with peer institutions with a program similar to the one proposed. OSULP's monograph collection is above average in various organic agricultural subjects and is adequate to support the proposed program.

Table 1. Monograph Comparison with Peer Institutions.

Subject terms	OSU	Washington State	Iowa State	Green Mountain College (GM9)	OSU Rank Among Peers	OSU Compared to Average
Alternative agriculture	67	68	72	12	3	122%
Bee culture	221	145	368	12	2	118%
Insect pests -- biological control	172	116	130	5	1	163%
Natural foods	48	55	128	11	3	79%
Natural foods industry	17	26	29	2	3	92%
Natural pesticides	24	19	22	0	1	148%
Organic agriculture	2	4	8	0	3	57%
Organic farmers	1	2	5	2	4	40%

Subject terms	OSU	Washington State	Iowa State	Green Mountain College (GM9)	OSU Rank Among Peers	OSU Compared to Average
Organic farming	150	201	289	50	3	87%
Organic fertilizers	22	15	22	1	1	147%
Organic gardening	143	90	146	27	2	141%
Organic wastes	46	41	40	1	1	144%
Organic wastes as fertilizer	15	10	22	0	2	128%
Organic wastes as soil amendments	5	9	7	0	3	95%
Sustainable agriculture	417	332	712	66	2	109%
Total	1,190	1,005	1,825	158	2	114%

The growing availability of e-books makes it possible to expedite access to more information from various locations. Students are able to access the books from their computer or mobile device at any time. The library currently has over 600 e-books in organic agriculture topics.

OSU is well served by the OSULP investment in the Orbis/Cascades Alliance, whose combined collection is substantial. Students and faculty can order from the collections of all the libraries in the Orbis Cascade Alliance through the Summit catalog. University of Oregon, Portland State University, University of Washington and Washington State University are some of the larger research libraries represented in the Summit catalog. Books requested through Summit are delivered to OSUL within three to five working days.

Serials/Journals

The OSULP maintain an adequate collection of journals appropriate for this proposed program. There is concern that with regular price increases to our licenses and a flat budget that access may be eroded over time. The OSULP already have sacrificed timely access to some titles in favor of an embargo period to cut costs (these journals are only available after a 12-18 month delay). The Web of Science database was used to identify the journals that publish the most articles in organic farming, organic gardening, sustainable agriculture and related topics. This list was supplemented with journals indexed in CAB Direct with an organic or sustainability focus. This produced a list of 50 journals (see Appendix A). The list includes those titles that we have current access to, those with embargoes and those not owned by the OSULP.

OSU Libraries has current subscriptions to 44 of these titles (88%). This is indicative of a strong journal collection in this subject area and is adequate to support the proposed program.

The library will monitor usage of inter-library loan (ILL) for titles under embargo and those with no access to determine whether usage justifies the acquisition of additional journals.

Indexes and Databases

The core indexes to the relevant information for this program are listed in Table 2. The OSULP maintain access to these databases as they are core to many of OSU's primary research areas.

Table 2. Current Indexes and Databases

Database	Years Covered	Description
CAB Direct	1973-present	Covers journal articles, conference proceedings, and other materials in agriculture and other related topics.
Agricola	1970-present	Indexes journal articles, monographs, theses, audiovisual materials and technical reports related to agriculture.
AgEcon Search	1932-present	Repository of full-text scholarly literature in agricultural and applied economics, including working papers, conference papers, and journal articles.
Plant Management Network	1984-present	Fact sheets, newsletters, product listings, training resources and related information on plants.
Web of Science	1970-present	Multidisciplinary database indexing thousands of scholarly journals. Can search for articles that cite a known author or article.

Key library services & librarian expertise

The Library Liaison for the College of Agriculture is Hannah Rempel. Liaisons are library faculty members who monitor the strategic directions and priorities of college and programs, and are a conduit to the expertise and services of the OSU Libraries. They promote OSULP expertise and collaborate with Library Experts to integrate and leverage that expertise throughout the OSU Community.

Ecampus programs are also supported by Stefanie Buck, the Ecampus librarian. Professor Buck supports instructors and students in the use of library resources and services, including custom research guides and webinars on demand. See the Ecampus Library Services guide at https://guides.library.oregonstate.edu/c.php?g=285892&p=1906544 for more information.

OSULP also supports data management on campus through Clara Llebot Lorente, the Data Management Specialist. A data management and planning subject guide is available at http://ica.library.oregonstate.edu/subject-guide/1346-Data-Management-Planning.

The collection in agriculture is built by the Collections Council. Providing access to items not owned by OSULP is the domain of the Interlibrary Loan and Summit staff both at OSULP and at lending libraries. Print articles located in the OSU Libraries collections may be requested via the

students include the physical attributes of the libraries including excellent computer facilities, study areas for individual and group work, and practice rooms for students.

Respectfully submitted,

Laurel Kristick
Collection Assessment and Science Librarian
October 25, 2017

Appendix A. Core Journals in Organic Agriculture

Journal title	OSU coverage
Agriculture ecosystems environment	1995-present
Agroecology and sustainable food systems	1990-present
Agronomy for sustainable development	1988-1998
Agronomy journal	1999-present
Applied and environmental microbiology	1953-present
Applied soil ecology	1995-present
Aquaculture	1995-present
Biology and fertility of soils	1997-present
Biopesticides international	
Bioresource technology	1995-present
Canadian journal of soil science	1957-present
Communications in soil science and plant analysis	1997-present
Egyptian journal of biological pest control	2005-present
Environmental monitoring and assessment	1997-present
Environmental pollution	1995-present
Environmental science and pollution research	1997-present
Environmental science technology	1967-present
Environmental toxicology and chemistry	1982-present
Food and chemical toxicology	1995-present
Food chemistry	1995-present
Food control	1995-present
Food research international	1995-present
Geoderma	1995-present
Hydrobiologia	1997-present
International journal of food microbiology	1995-present
International journal of recycling of organic waste in agriculture	2012-present
International journal of sustainable agricultural management and informatics	
Journal of agricultural and food chemistry	1953-present
Journal of biopesticides	2008-present
Journal of environmental quality	2001-present
Journal of environmental science and health. Part B, pesticides, food contaminants, and agricultural wastes	2001-18 months ago
Journal of food protection	1967-present
Journal of food science	1936-present
Journal of organic systems	2006-present
Journal of sustainable agriculture and the environment	
Journal of the science of food and agriculture	1996-present
LWT food science and technology	1995-present

Journal title	OSU coverage
Nutrient cycling in agroecosystems	1997-present
Organic agriculture	
Organic farming	2015-present
Organic view	1998-present
Plant and soil	1997-present
PLOS one	2006-present
Science of the total environment	1995-present
Soil biology biochemistry	1995-present
Soil Science Society of America journal	1999-present
Soil tillage research	1995-present
Soil use and management	1985-present
Sustainable agriculture research	2012-present
Water science and technology	1982-present