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Agronomy & Horticulture Collection Development Policy

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Agronomy & Horticulture Collection Development Policy

University Libraries, University of Nebraska-Lincoln

Elaine Nowick, November, 2009

Approved: CDC November 18, 2009

I. GENERAL ACADEMIC PROGRAM INFORMATION

The Agronomy & Horticulture Collection supports the RESEARCH, graduate, and undergraduate education mission of the department. It also provides information resources for related groups in the university such as Cooperative Extension, RESEARCH & Extension Centers, the Statewide Arboretum, and the Water Center. The Department is also supported by materials in other subject areas such as Plant Pathology, Biology, Biochemistry, Microbiology, and Statistics.

Agronomy & Horticulture Department

The field of agronomy encompasses the sciences related to crops and soils. It includes crop production, crop breeding, seed production and certification, weed science, range and pasture management, soil management and irrigation, and soil conservation. Undergraduate majors can specialize in Crop Production, Integrated Crop Management, Business, RESEARCH Careers, Soil Science, or Agroecology. Graduate students choose an emphasis in Agricultural Meteorology, Crop Physiology and Production, Environmental Studies, Plant Breeding and Genetics, Plant Science, Plant Pathology, Range and Forage Sciences, Soil and Water Sciences, or Weed Science.

Horticulture is the science and art of growing and using fruits, vegetables, flowers, ornamental plants and grasses to enhance our living environment and to diversify human diets.

Undergraduates can focus on Landscape Design, Production, or Entrepreneurship and Science. Graduate students receive a degree in Horticulture and Forestry and can opt for a Specialization in Public Horticulture Administration.

The faculty is divided into peer groups with RESEARCH and teaching responsibilities in these areas: Ornamental Horticulture; Landscape Ecology and Design; Plant Breeding, Genetics, and Molecular Physiology; Plant Physiology and Production Ecology; Soil and Water Science; Turf/Range/ Forage Science; and Weed Science.

The Department maintains an active distance education program.

Library Collections

Information resources in Agronomy & Horticulture are collected in all of the subject areas reflected in the programs of STUDY and RESEARCH in the department. Materials are purchased in approximate proportions to the number of faculty in each area. Both undergraduate

and RESEARCH level resources are collected. However, textbooks are generally not purchased nor are materials primarily addressed to the general public. Some materials aimed primarily at producers are purchased to support the extension mission of the department. Non-English language items are not purchased. The primary focus of the collection is on materials applicable to the Great Plains, but because there are many international students in the department and many faculty consult or do RESEARCH in other parts of the world, some materials on agriculture in other regions are purchased.

Subject Headings and collection intensity are listed below

Because there is a great deal of interdisciplinary RESEARCH conducted at UNL. Some call number ranges overlap with materials for other departments. Materials are ordered in cooperation with other liaisons as appropriate.

II. GEOGRAPHICAL COVERAGE

Collection development is concentrated on the Great Plains, but general works on agriculture worldwide are also purchased to support international students and international RESEARCH and extension projects conducted by faculty.

III. CHRONOLOGICAL COVERAGE

The emphasis is on current material.

IV. IMPRINT DATE

The emphasis is on current material.

V. FORMAT

Both print and electronic resources are purchased as well as online books and some videos. Electronic formats are preferred for current periodicals. For monographic works, the format choice is based primarily on price. Electronic formats are preferred for works that will support distance education or extension programs.

VI. LANGUAGES

English is the preferred language.

VII. CLASSIFICATION AND INTENSITY LISTING

Agronomy & Horticulture

QK Botany - STUDY

QR100-130 Microbial ecology -RESEARCH

QH1-278.5 Natural history (General) - STUDY

QH426-470 Genetics-RESEARCH

QH705-705.5 Economic biology - STUDY

RV1-431 Botanic, Thomsonian, and eclectic medicine - STUDY

S583-587.73 Agricultural chemistry. Agricultural chemicals –RESEARCH

S588.4-589.6 Agricultural physics Including radioisotopes in agriculture-RESEARCH

S589.7 Agricultural ecology (General) –RESEARCH

S589.75-589.76 Agriculture and the environment –RESEARCH

S589.8-589.87 Plant growing media. Potting soils –RESEARCH

S590-599.9 Soils. Soil science Including soil surveys, soil chemistry, soil structure, soil-plant relationships-RESEARCH

S602.5-604.37 Methods and systems of culture. Cropping systems Including fallowing, rotation of crops, plowing –RESEARCH

S604.5-604.64 Agricultural conservation –RESEARCH

S604.8-621.5 Melioration: Improvement, reclamation, fertilization, irrigation, etc., of lands – RESEARCH

S605.5 Organic farming. Organiculture –RESEARCH

S606-621.5 Special classes of lands and reclamation methods Including woodlands, burning of lands, deserts, saline environments, moors –RESEARCH

S622-627 Soil conservation and protection –RESEARCH

S631-667 Fertilizers and improvement of the soil-RESEARCH

S900-(972) Conservation of natural resources Including land conservation- RESEARCH

SB1-1110 Plant culture-RESEARCH

SB610-615 Weeds, parasitic plants, etc. -RESEARCH

SB617-618 Poisonous plants-RESEARCH

SD391-410.9 Sylviculture - STUDY

SF84.82-85.6 Rangelands. Range management. Grazing-RESEARCH

TD169-171.8 Environmental protection - STUDY

TD172-193.5 Environmental pollution- STUDY

TD194-195 Environmental effects of industries and plants- STUDY

TD201-500 Water supply for domestic and industrial purposes- STUDY

TD419-428 Water pollution- STUDY

TD878-894 Special types of environment Including soil pollution- STUDY