

Keith A. Knudson

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Education

- 1971 - 1975 North Dakota State University Fargo, ND
B.S. Degree in General Agriculture
- 1979 - 1981 North Dakota State University Fargo, ND
B.S. degree in Vocational Agriculture Education

Teaching Experience

- 1978 -1979 *Instructor* - Vocational Agriculture - Bottineau High School Bottineau, North Dakota
- 1981-1983 *Instructor* - Vocational Agriculture and Industrial Arts - Climax Public Schools - Grades 7 -12
Climax, Minnesota
- 2011 - Present *Instructor*- Dakota College at Bottineau

Courses: Provide instruction in Specialty Crop Production, Compost Production and Use, Specialty Crop Marketing, Integrated Pest Management, Good Agricultural Practices, Business of Specialty Crop Farming, Specialty Crop Practicums, Organic Certification and Farm Plans, Introduction to Aquaponics, Greenhouse Structures, Aquaponics Management I, Aquaponics Management II, Aquaponics and Hydroponics Practicums, Greenhouse Operations, Horticulture Equipment, Leadership Through Service, Farm Business Management, Hemp Production, Hemp Rules and Regulations.

2018 to Present Department Chair for Agriculture and Horticulture at Dakota College at Bottineau

Administrative Experience

- 2011 - 2012 Business Advisor for the Small Business Development Center. Advised clients on business plans, financing, business assessment and evaluations.
- 2014 -Present Department Chair Agriculture, Horticulture and Entrepreneurial Center for Horticulture at Dakota College at Bottineau
Develop and maintain department budgets, new horticulture programs, department human relations, preside over department scheduled meetings and scheduling of department activities and events.
- Present Project Investigator on the following grants:
- USDA Hemp NIFA Grant
-Specialty Crop Block Grant
- Beginning Farmer Rancher Development Grant
-NRCS Grant – Small and Specialty Crop Technical Assistance for small farms and Native Americans

Presentations (including Outreach)

North Dakota Horticulture Association Conference -Aquaponics Production 2015
North Dakota Local Foods Conference - Farm Business Management Skills - 2015
North Dakota Gardening Saturdays Conference -Aquaponics - 2016
Manitoba Horticulture Association Conference -Aquaponics; Fish and Salads 2016 NDSU
High Tunnel Conference - Construction and Maintenance of High Tunnels - 2016North
Dakota Local Foods Conference - Food Safety on the Farm - 2016
NRCS Practices for Small and Specialty Crop Farmers - Three locations in North Dakota 2017
North Dakota CTE Professional Development Conference -Aquaponics 2017
Advanced High Tunnel presentation - Three Locations in North Dakota 2021
Hemp Production and Regulations in North Dakota Presenter - NDCTE Professional Development Conference – 2020
Hemp Research of CBD Cultivars – Northern Hemp Conference 2021
Workshop presenter for Beginning/young Native American farmers at the Strengthening Government to Government Conference 2022

Committees

DCB Agroforestry Committee
Faculty Professional Development Committee

Professional Affiliations

National Farm and Management Business Management and Education Association
National Council of Agricultural Education Member
National Association of Agricultural Educators
North Dakota Association of Agricultural Educators
American Career and Technical Association
North Dakota Farmers Market and Growers Association member
North Dakota Local Foods Alliance founding board member
North Dakota Nursery, Greenhouse and Landscape Association member
National Hemp Association member

Community Service

Turtle Mountain Kiwanis Member
StrengthenND Advisory Board Chairperson
Spirit Lake Food Distribution Program Advisor
Advisory board chairperson for the NDSU Extension Service in Bottineau County

Other Experience

1979 to date - Operate a small grain and forage operation of 550 acres. Raising hemp, canola, Durum, Barley, Flax, Forages and Aquaponics. Knowledgeable of farm programs and agricultural insurance needs.

1983 to 2005 - Management positions in electronics manufacturing firms Turtle Mountain Corporation, Pemstar and Benchmark Electronics.

2006 to 2010 - Rotational Manager -Responsible for procurement, inventory and management of customer assets for the construction of a 125-million-dollar CO2 compressor facility in Mosquero, New Mexico.

