

CARLOS ROSENCRANS, JR.

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Present Position

July 2002 – Present: **Associate Professor, Department of Agricultural and Extension Education.** Planning, developing, teaching, and evaluating course work in Agricultural and Extension Education. Specific courses taught include: Agricultural Mechanization I; Small Engine Technology; Metal Tech-Fabrication; Advanced Technology in the Agricultural Industry; Methods in Career and Technical Laboratories; Agricultural Structures and Windmill Technology. Graduate level courses taught include: New Mexico Water Issues and Keys to Agriculture and Rural Development. Other instructional and administrative responsibilities include: supervising student teachers at cooperating sites statewide, and coordinating laboratory facilities and equipment for student use in an efficient and safe environment. **Twelve months, 100% Instruction.**

Past Experience

August 1996 – June 2002: **Assistant Professor, Department of Agricultural and Extension Education, New Mexico State University.** Duties the same as present associate professor position.

August 1993- July 1996: **Graduate Teaching Assistant.** Iowa State University, Ames, Iowa. Taught the Ag450 Course which involved the management and operation of a 900 acre crops and 2,000 head hog facility.

June 1992 – August 1993: **Economic Development Specialist, Rural Economic Development Institute, Cooperative Extension Service/New Mexico State University.** Duties included: Development of cooperative relationships with economic development entities located at University of New Mexico Research Center. Supported community development programs and assisted County Agents with economic development programs state wide. Implemented a “Going Global” marketing awareness training program throughout the state.

July 1990 - May 1992: **County Extension Agent, Bernalillo County, CES/NMSU.** Responsibilities included: Development and implementation of educational programs in Agriculture, Commercial Horticulture and Natural Resources (4-H). Educational programs in these areas involved coordinating and facilitating conferences, workshops, individual consulting and industry promotion. Areas of specialization included: Pesticide sprayer calibration and application, water quality and conservation, forage and vegetable crop production, and agricultural mechanization.

June 1989 - June 1990: **Coordinator, Crop Production and Marketing, CES/NMSU.** Program specialist: Worked in the areas of pesticide impact assessment, farm worker safety, pesticide application training, pest survey and detection as well as general agronomy. Developed a bilingual brochure on pesticide use and farm worker safety. Conducted a pesticide use survey for commercial termiticide applicators in New Mexico. Assisted with an ongoing pest survey of forest areas in northern New Mexico. Completed training in Gossym/Comax computer program for modeling cotton cropping systems.

August 1987 - May 1989: **Instructor, Department of Agricultural and Extension Education, NMSU.** Duties included: Teaching 27 student credit hours in a technical agricultural program, serving two and four year degree students. Courses taught included: Transmissions and Final Drives, Farm Machinery Management, Agricultural Equipment, Parts and Dealership Operations, and Welding Practices.

September 1984 - July 1987: **Farm Manager, Mechanization Specialist, Center for International Programs, NMSU.** Developed and implemented instructional farm for technical agricultural assistance project in North Yemen. Initiated technical in-service training program for staff and faculty. Assisted with laboratory practical training and local extension demonstration programs. Responsible for: Overall farm operations including crops, livestock, buildings, maintenance and repair of machinery and equipment, vehicle fleet, and housing compound. Established school greenhouse and assisted in it’s daily function. Determined specifications and procurement of agricultural equipment and supplies. Also developed construction bid specifications on several capital improvement projects. Facilitated temporary personnel in related assignments such as bee-keeping, dairy improvement, plant taxonomy, drip irrigation, mechanics short course, land mapping and surveying. Handled administrative tasks during the absence of project team leader and as dictated by remote location of project.

Education

Ph.D., 1996, Iowa State University, Major: Agricultural Education, Specialization: Extension Education
M.A., 1989, New Mexico State University, Major: Agricultural and Extension Education
B.S., 1984, New Mexico State University, Major: Agricultural and Extension Education

Educational, Professional and Other Recognitions

Outstanding Professor Award. Agricultural, Consumer & Environmental Sciences, NMSU, 2006-2007.
Donald C. Roush Award for Teaching Excellence, NMSU, 2003.
The American Association for Agricultural Education, Journal of Agricultural Education, First Runner-Up Authors of the Year, Volume 42-2001. December 2002.
NACTA John Deere Teaching Award Western Region, National Association of Colleges and Teachers of Agriculture, 2002.
Outstanding Young Member, Western Region Association for Agricultural Education, 2002.
Teaching Award of Merit, National Association of Colleges and Teachers of Agriculture (NMSU) 2000-2001.

Research and Scholarly Activities

Refereed Journal Articles

Seevers, S. B. & Rosencrans, C. (2001). Involvement of Volunteers in Agricultural Education Programs in New Mexico. Journal of Agricultural Education. 42(1), 72-81.

Refereed Research Papers Published in Proceedings

Rosencrans, C., & Seevers, S. B. (2000). Involvement of volunteers in agricultural education programs in New Mexico. Proceedings of the Twenty Seventh Annual National Agricultural Education Research Conference, 27(1), 94-105.

Rosencrans, C., & Martin, R.A. (1997). The role of agricultural mechanization in the secondary agricultural education curriculum as viewed by agricultural educators. Proceedings of the Twenty Fourth Annual National Agricultural Education Research Meeting, 24(1), 253-262.

Rosencrans, C., & Martin, R.A. (1997). Perceptions of agricultural educators regarding the role of agricultural mechanization in the secondary agricultural education curriculum. Proceedings of the Sixteenth Annual Western Regional Agricultural Education Research Meeting, 16(1), 59-67.

Articles not considered Refereed but which were reviewed by editors prior to publication. Articles are reviewed by regional and national editors using a norm reference refereed system and, if approved, they are published.

Rosencrans, C., (2001, September-October). The value of CPR and first aid instruction. The Agricultural Education Magazine. 74(2), 28.

Rosencrans, C. & Seevers, S. B. (2000). Making a Difference with Volunteers in Agricultural Education Programs. The Agricultural Education Magazine. 73(3), 20-21.

Rosencrans, C. (1996). A visual model for agricultural technology education. The Agricultural Education Magazine. 69(6).

Grants

Proposal reviewer for National Institute for Occupational Safety and Health on Centers for Agricultural Disease and Injury Research, Education, and Prevention. (Rockville, Maryland) June, 2001 & June, 2003.

Partnership to Promote Agriculture Careers and Training Higher Education Challenge Grant. Co-Author/principle investigator for NMSU with Technical Vocational Institute (TVI), Albuquerque, NM, 1997-2001. (\$178,673.00, **Funded**)(NMSU's share \$89,394.00).
Rosencrans, C., and King, B.

Service and Presentations

State FFA Agricultural Mechanics CDE Coordinator, 1997 – present.

New Mexico Leadership Conference. Ag. Mechanization CDE Workshop, (Secondary Ag. Ed. Educators) Albuquerque, NM, February, 1997- Present.

“Tractor Safety in Pecan Orchards” Presentation at the Western Pecan Growers Assoc. Annual Convention, Las Cruces, NM, March, 2001.

Welding Workshop, State 4H Conference, (4-H Members), Las Cruces, NM, July, 1997- Present.

Welding Workshop, Ag. Teachers Conference, Ruidoso, NM, July, 1997.

Windmill Technology Workshop, New Mexico State University, Las Cruces, NM, 1997-Present. Students attend from around the country, including experienced windmillers to students new to windmills.