



Frederic G Renner Award

The **Frederic G. Renner Award** is the most prestigious award bestowed by the Society. It was made possible by a generous contribution from Frederic G. Renner, a Charter and Life member, and SRM's second President (1949). The award is presented with the belief that **such recognition will foster better use of rangeland resources and a broader understanding of the contributions that these resources make to the welfare of all people.**

Dr. Jerry W. Stuth

Dr. Jerry Stuth's contributions to the range management profession are enormous as demonstrated by his chairing of over 60 MS and Ph.D. graduate committees, teaching 2000+ undergraduate and graduate students in an array of rangeland management courses, authoring or co-authoring 92 refereed journal articles, 24 books and book chapters, 90 proceedings, 27 agency publications, and 11 software user's guides, developing 22 software programs; all while garnering and administering over \$35,000,000 in grant monies. More specifically, Jerry was recognized nationally and internationally as a leader in the development and application of information technology for use in the management of rangeland ecosystems. The following is a brief listing of his many research accomplishments.



- Jerry led a team that developed a computerized grazinglands planning system whose subsequent refinement resulted in the Grazingland Spatial Analysis Tool (GSAT), software used extensively by NRCS as a planning tool.
- Dr. Stuth developed an array of technologies for managing the nutritional well-being of free-ranging livestock. The foundation of these technologies was the development of methodology to estimate diet quality of free-ranging livestock via analyses of fecal material using near infrared reflectance spectrophotometer technology.
- Jerry developed the first livestock early warning system (LEWS) that forecasts impending forage shortfalls 90 days in advance. Originally developed for East Africa, LEWS is now used in many of the world's arid regions.
- Dr. Stuth led the team that developed the Forage Risk Assessment Management System (FRAMS), the first on-ranch system that synthesizes weather, forage conditions, and grazing data to provide biological and economic feedback for timely stocking rate adjustments.
- Jerry conducted a pioneering feasibility study for the USDA Risk Management Agency (RMA) for establishing a forage loss insurance program for grazingland enterprises.
- Via RMA funding, Dr. Stuth participated in the development of the first grazingland real-time Burning Risk Assessment Support System targeting private grazinglands.
- Jerry was a member of the team that founded the Department of Homeland Security's National Foreign Animal and Zoonotic Disease (FAZD) Defense Center housed at Texas A&M University. He was named science leader for Information, Modeling and Analysis for the Center and led a team of 11 scientists from six US Universities.

Because of Dr. Stuth's many accomplishments, it is an honor for the Society for Range Management to present the 2009 Renner Award posthumously to his wife Nadine. May God bless Jerry's memory and his work, family, colleagues, and many, many friends.

It is with great honor that we hereby present Dr. Jerry w. Stuth with the Society for Range Management's most esteemed Frederic G. Renner Award.