

FRANCISCO E. CONTRERAS-GOVEA

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SUMMARY

Hard worker and open-minded Ph.D. in Agronomy eager to work in a good team. Open to new ideas and knowledge. Interested in working with clear goals and ready to face new challenges. Experience in forage crops, forage quality techniques, and silage management. Good knowledge of experimental design and data analysis techniques. Proficient knowledge of Microsoft programs (Word, Excel, and PowerPoint).

EDUCATION

University of Wisconsin-Madison December 2003
Major: Ph.D., Agronomy
Dissertation: Forage Production and Quality Characteristics of Cereals and Ryegrass in Monoculture or Binary Mixtures with Kura Clover.

Antonio Narro University (UAAAN), Mexico June 1991
Major: Master of Science, Range Management
Thesis: Effect of Three Stock Densities on Forage Yield and Nutritive Value of Triticale (*X Triticosecale* Wittmack) Sward.

Juarez University of Durango State, Mexico December 1982
Major: B.S., Agronomic Engineering
Minor: Livestock production
Thesis: Pearl millet (*Pennisetum typhoides* L R. Br.) Maturity Stage, Nitrogen Level, and Cutting Height Effects on Forage Yield and Quality Characteristics.

PROFESSIONAL EXPERIENCE

UW-Madison. Department of Agronomy September 2004 to present

Research Associate

I assisted with design of and am in charge of day-to-day management, data collecting, data analysis and publication of results for the following experiments:

- Investigate silage quality characteristics of corn-bean mixtures.
- Investigate silage quality characteristics of corn-lablab bean mixtures.

- Investigate silage quality of kura clover-reed canary grass mixture at different maturity stages.
- Investigate the effect of silage microbial inoculants on rumen fermentation by using the *in vitro* gas production technique.

Dairy Forage Research Center (Madison, WI)

November 2003 to August 2004

Postdoctoral position.

- Learned techniques to assess silage quality characteristics
- Investigated new procedures to assess silage quality
- Proposed new research lines

National Research Institute of Forestry, Agriculture, and Livestock (INIFAP), Mexico.
From 1984 to 2003

Forage Researcher, Tenured,

La Laguna Research Station (Campo Experimental La Laguna)

From 1991 to 1999

Zaragoza Research Station (Campo Experimental Zaragoza)

From 1984 to 1988

- Wrote grant proposals
- Participated organizing field days for farmers, consultants, and universities
- Promoted new crops and cultivars that performed well in field trials
- Participated in planning meetings with farmers to identify their research needs
- Presented experimental results in research meetings and proceedings
- Supervised establishment and management of demonstration field plots
- Wrote brochures and articles for farmers
- Investigated adaptation and yield of new forage crops introduced to La Laguna region.

TEACHING EXPERIENCE

Part-time Associate Professor. **Department of Natural Resources. Antonio Narro University Saltillo, Coahuila, Mexico.**

Lecture on Range Management II.

Fall 1990

Adviser of undergraduate students in research studies related with forage production

SKILLS

- Extensive experience planning and conducting field trials
- Proficient knowledge of the techniques used to assess forage quality characteristics
- Good knowledge of statistical procedures and data analysis
- Proficient knowledge of Microsoft office programs (Word, Excel, and PowerPoint)
- Excellent ability to speak and write Spanish

AWARDS

- The Dwayne Rhoweder Forage Extension Award, UW-Madison 2002
- National Researcher Promotion System Award, Candidate level, National Board of Science and Technology (CONACYT), Mexican Government From 1991 to 1994
- Recipient, Outstanding Bachelor of Science Award 1982

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Society of Agronomy
Crop Science Society of America
American Dairy Science Association
American Registry of Professional Animal Scientists

PUBLICATIONS

Peer Reviewed:

Filya, I., R.E. Muck, and **F.E. Contreras-Govea**. 2007. Inoculant effect on alfalfa silage: Fermentation products and nutritive value. *J. Dairy Sci.* 90: 5108-5114.

Muck, R.E., I. Filya, and **F.E. Contreras-Govea**. 2007. Inoculant effect on alfalfa silage: In vitro gas and volatile fatty acid production. *J. Dairy Sci.* 90:5115-5125.

Contreras-Govea, F.E., R.E. Muck, K.L. Armstrong, K.A. Albrecht. 2007. Nutritive value of corn silage in mixtures with climbing beans. *Animal Feed Science and Technology* (submitted).

Contreras-Govea, F.E., R.E. Muck, and K.A. Albrecht. 2007. Forage yield and silage fermentation of kura clover-reed canarygrass mixtures and alfalfa. *Transactions of the ASABE* (submitted).

Contreras-Govea, F.E., R.E. Muck, K.L. Armstrong, K.A. Albrecht. 2007. Fermentability of Corn-Lablab Bean Mixtures from Different Planting Densities. *Animal Feed Science and Technology* (Submitted).

Contreras-Govea, F.E., K.A. Albrecht, and R.E. Muck. 2006. Spring yield and silage characteristics of kura clover, winter wheat, and in mixtures. *Agron. J.* 98:781-787.

Contreras-Govea, F.E., and K.A. Albrecht. 2006. Forage production and nutritive value of oat in Autumn and Early Summer. *Crop Science* 46:2382-2386.

Contreras-Govea, F.E., and K.A. Albrecht. 2005. Mixtures of kura clover with small grains or Italian ryegrass to extend the forage production season in the Northern USA. *Agron. J.* 97: 131-136.

Núñez, H.G., **F. Contreras G.**, and R. Faz C. 2003. Características agronomicas importantes en hibridos de maiz para forraje con alto valor energetico (Important agronomic characteristics of corn hybrids for forage with high energy value). Tec. Pecuaria Mex. 41:37-48.

Extension and Research Reports:

Hoffman, P.C., K.M. Lundberg, L.M. Bauman, R.D. Shaver y **F.E. Contreras-Govea** (Traductor). 2007. Digestibilidad in vitro del FDN (fibra detergente neutro): El debate de 30 vs 48 horas. Translation from English version to Spanish.

<http://www.uwex.edu/ces/crops/teamforage/>

Hoffman, P.C., K.M. Lundberg, L.M. Bauman, R.D. Shaver y **F.E. Contreras-Govea** (Traductor). 2007. El efecto de la madurez en la digestibilidad del FDN (fibra detergente neutro). Translation from English version to Spanish. <http://www.uwex.edu/ces/crops/teamforage/>

Hoffman, P.C., D. Combs y **F.E. Contreras-Govea** (Traductor). 2007. Uso de la digestibilidad del FDN en la formulación de raciones. Translation from English version to Spanish.

<http://www.uwex.edu/ces/crops/teamforage/>

Muck, R.E., and **F.E. Contreras**. 2007. Silage Additives. 4th Forage Teaching and Technology Conference. UW Extension, Wisconsin Team Forage, USDA-Dairy Forage Research Center. September 5th, 2007, Prairie du Sac, WI.

Contreras-Govea, F.E. and K.A. Albrecht. 2007. Wisconsin-August-sown oat provides high-quality fall forage. p. 21. Forage Focus. Midwest Forage Association, March 2007. St. Paul, MN.

Contreras-Govea, F.E., and R.E. Muck. 2006. Microbial inoculants for silage. Wisconsin Extension Team Forage. Focus on forage fact sheets. Updated.

<http://www.uwex.edu/ces/crops/teamforage/>

Muck, R.E., **F.E. Contreras-Govea**, I. Filya, D.R. Mertens, and P.J. Weimer. 2004. Inoculant effects on *in vitro* digestion of alfalfa silage. U.S. Dairy Forage Research Center 2004 Research Report USDA-ARS.

Muck, R.E., I. Filya, and **F.E. Contreras-Govea**. 2003. Inoculant effects on ensiling and *in vitro* gas production in alfalfa silage. U.S. Dairy Forage Research Center 2003 Research Report. USDA. ARS.

Núñez, H.G., **F. Contreras G.**, R. Faz C., and R. Herrera. 1999. Selección de híbridos para obtener mayor rendimiento y alto valor energetico en maiz para ensilaje (Selection of high yield and energy corn hybrids for silage). p. 2-5. *In*: Componentes tecnologicos para la producción de ensilados de maiz y sorgo. SAGAR-INIFAP-CIRNOC-CELALA.

Núñez, H.G., **F. Contreras G.**, R. Faz C., and R. Herrera y Saldaña. 1998. Producción de maiz para ensilaje de alto valor energetico y su impacto en la producción de leche (Corn yield for silage with high energy value and its impact on milk yield). p. 32-41. *In*: IV International

Conference of Nutrition and Management. Torreon, Coahuila, Mexico. 12-14 November, 1998. Torreon, Coahuila.

ABSTRACTS AND PRESENTATIONS

Contreras-Govea, F.E., R.E. Muck, K.L. Armstrong, and K.A. Albrecht. 2007. Corn-lablab mixture silage quality at different plant densities. p. *In*: Abstracts, International Annual Meeting, ASA-CSSA-SSSA New Orleans, LA. 4-8 November 2007. ASA-CSSA-SSSA New Orleans.

Muck, R.E., **F.E. Contreras-Govea**, and D.R. Mertens. 2007. Silage inoculant effects on *in vitro* rumen fermentation. *In*: Abstracts, Annual Meeting, ADSA-PSA-AMPA-ASAS, San Antonio, TX. 8-12 July 2007.

Contreras-Govea, F.E., R.E. Muck, and K.A. Albrecht. 2006. Silage quality of corn-climbing bean mixtures. p. 73-6. *In*: Abstracts, International Annual Meeting, ASA-CSSA-SSSA Indianapolis, IN. 12-16 November 2006. ASA-CSSA-SSSA Indianapolis.

Albrecht, K.A., **F.E. Contreras-Govea**, and R.E. Muck. 2006. Nutritive value and silage quality characteristics of kura clover-reed canarygrass mixture and alfalfa. p. 73-4. *In*: Abstracts, International Annual Meeting, ASA-CSSA-SSSA Indianapolis, IN. 12-16 November 2006. ASA-CSSA-SSSA Indianapolis.

Muck, R.E., I. Filya, and **F.E. Contreras-Govea**. 2005. Inoculant effects on ensiling and *in vitro* gas production in Lucerne silage. p. 204. *In*: R.S. Park and M.D. Stronge (Eds). Silage production and utilization: Proceedings of the XIVth International Silage Conference, a satellite workshop of the XXth International Grassland Congress. 3-6 July 2005, Belfast.

Contreras-Govea, F.E., R.E. Muck, I. Filya, D.R. Mertens, and P.J. Weimer. 2005. *In vitro* gas production and bacterial biomass estimation for Lucerne silage inoculated with one of three lactic acid bacteria inoculants. p. 207. *In*: R.S. Park and M.D. Stronge (Eds). Silage production and utilization: Proceedings of the XIVth International Silage Conference, a satellite workshop of the XXth International Grassland Congress. 3-6 July 2005, Belfast.

Contreras-Govea, F.E. K.A. Albrecht, and R.E. Muck. 2004. Yield and Silage Characteristics of Kura Clover, Winter Wheat, and Binary Mixtures in spring. *In*: Abstracts, International Annual Meeting, ASA-CSSA-SSSA, Seattle, WA. 31 October – 4 November 2004 ASA-CSSA-SSSA, Seattle.

Contreras-Govea, F.E. and K.A. Albrecht. 2002. Intercropping Small Grains and Annual Ryegrass with Kura Clover for Forage. *In*: Abstracts, International Annual Meeting, ASA-CSSA-SSSA, Indianapolis, IN. 10-14 November 2002. ASA-CSSA-SSSA Indianapolis.

Contreras-Govea, F.E. 1995. Forage yield of five perennial summer grasses at two harvest frequencies. *In*: Abstracts. Reunion Nacional de Investigacion Pecuaria. Mexico.

Contreras-Govea, F.E., et al. 1995. Forage yield and crude protein concentration in annual ryegrass in monoculture or mixture with triticale. *In: Abstracts. Reunion Nacional de Investigacion Pecuaria.* Mexico.

Contreras-Govea, F.E. et al. 1994. Forage production and nutritive value of berseem clover, ryegrass, and oat in monoculture or mixture. *In: Abstracts. XIV Congreso Panamericano de Ciencias Veterinarias.* Acapulco, Gro. Mexico. 9-15 October 1994. Acapulco, Mexico.

Contreras-Govea, F.E. et al. 1992. Energy supplementation of goats during the drought season at the Comarca Lagunera. *In: Abstracts. Reunion Nacional de Investigacion Pecuaria.* Chihuahua, Mexico. 3-6 November 1992. Chihuahua.

Contreras-Govea, F.E. 1992. Dry matter yield of winter annual Ryegrass mixtures. *In: Abstracts. Reunion Nacional de Investigacion Pecuaria.* Chihuahua, Mexico. 3-6 November 1992. Chihuahua.

Contreras-Govea, F.E. et al. 1987. Kochia (*Kochia scoparia* (L.) Roth) seeding date. *In: Abstracts. VIII Weed Science National Meeting.* San Luis Potosí, S.L.P. Mexico. 11-14 November 1987. San Luis Potosi.

Contreras-Govea, F.E. and P. Hernandez. 1986. Pearl millet (*Pennisetum typhoides* L.) seeding date for forage. *In: Abstracts. X Congreso de la Asociación Latinoamericana de Producción Animal,* Acapulco, Gro. Mexico. 28 April-2 May 1986, Acapulco.

Farias-Fernandez, J.M. and **F.E. Contreras-Govea.** 1984. Effect of maturity stage, height cut, and nitrogen level on forage yield and quality of pearl millet (*Pennisetum typhoides* L.). *In: Abstracts. X Congreso Nacional de Fitogenética.* Aguascalientes, Ags. Mexico. 27-31 August 1984, Aguscalientes.

