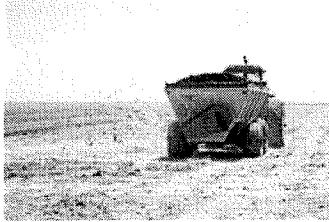


Statement of Qualifications- Daniel H. Putnam

University of California Alfalfa & Forages

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[Desert](#)

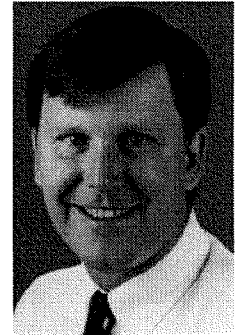
California Alfalfa Workgroup Chair

Dan Putnam, PhD
Statewide Alfalfa & Forage Extension Specialist
Department of Agronomy & Range Science

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E-MAIL: dhputnam@ucdavis.edu

SPECIALTIES: Alfalfa agronomic Practices, Alfalfa Forage Quality & Testing, Varieties, Berseem Clover, Sudangrass, Alternative Forages.

[Brief Curriculum Vitae](#)



Education:

1986 Ph.D. (Plant and Soil Sciences), University of Massachusetts, Amherst
1983 M.S. (Plant and Soil Sciences), University of Massachusetts, Amherst
1977 B.S. (Agronomy), Wilmington College, Wilmington, Ohio

Employment History:

1993–present Cooperative Extension Specialist and Agronomist in the Agriculture Experiment Station – Alfalfa and forage crops, University of California, Davis, California
1986–1993 Assistant Professor, University of Minnesota, St. Paul, Minnesota. Specialist in New and Alternative Crops.
1985–1986 Research Associate, University of Massachusetts, Amherst, Massachusetts.

Current Position Description:

Cooperative Extension Specialist and Experiment Station Scientist at UC Davis for alfalfa and forage cropping systems, and Chair, UC Alfalfa Workgroup. This position entails statewide responsibility for extension and research activities related to alfalfa and forage crops. Forages occupy about 1.8 million acres in California, the most prominent of which is alfalfa, worth about \$1 billion/year. Conducts educational activities (field days, symposia, newsletters, websites) pertaining to forage crops. Conducts field and laboratory research related to alfalfa and harvested forage crops. Works closely with CE Farm Advisors in the counties, with UC scientists, and with the alfalfa industry in California. Currently chair of the California Alfalfa Symposium, and past president of the National Forage Testing Association. Other interests include introduction of new crop species, crop ecology, and forage quality analysis methods.

Research Interests:

Alfalfa cultivar interactions with agronomic practices, economics of the cutting schedules and the yield–quality tradeoff in alfalfa, forage quality analysis methods, irrigation techniques, alternative forage crops, interactions of alfalfa and the environment.

Honors, Awards:

1984–85 – Fulbright Scholarship for overseas study (India).
1999 – Hilgaard Award for Outstanding Teaching – Extension Specialist. California Association of Farm Advisors and Specialists.
2000 – Award for Excellence – American Society of Agronomy Extension Publications Award – Newsletter category, (California Alfalfa & Forage Review, candidate is editor)
2000 – Extension Education Award – National Association of Farm Advisors and Specialists
2000 – Achievement Award – California Associations of Farm Advisors and Specialists

Industry, Professional Memberships:

Chair, UC California Alfalfa Workgroup
 Chair, California Hay Testing Consortium
 Chair, California Alfalfa Symposium
 President, National Forage Testing Association
 California Alfalfa & Forage Association founding board member and Secretary
 American Society of Agronomy
 Crop Science Society of America
 California Farm Bureau Federation, Hay Advisory Committee, UC Liaison
 Alfalfa Council (national), Advisory Board
 National Alfalfa Intensive Training Seminar Instructor

Consulting:

I have consulted with USDA overseas development projects, World Bank Oilseed Project, with private parties in Egypt, Saudi Arabia, Pakistan, China, and India. I have also consulted on subjects related to forage production, hay storage and marketing, spontaneous combustion of hay, hay quality, and the use of forages for mitigation of pollution including applications of effluent and industrial wastes. I have traveled overseas for scientific exchanges to Chile, Russia, India, Poland, and Egypt.

Partial List of Publications:

Note: This is a **partial list** which includes samples of **peer-reviewed** (*) proceedings, papers, and extension articles – a complete list of publications is available by contacting Dr. Putnam.

2002 Putnam, D.H. Producing Quality Alfalfa in the Western United States. Published IN China International Grasslands Symposium Proceedings. 20–23 May, 2002 Beijing, China.

2002* Long, R.F., M. Nett, D.H. Putnam, G. Shan, J. Schmierer, B. Reed. Insecticide Choice for Alfalfa may Protect Water Quality. *California Agriculture* 56(5):163:169.

2002* Orloff, S.B., D.H. Putnam, and S. Blank. 2002. Proper Harvest Timing can Improve Returns for Intermountain alfalfa. *California Agriculture* 56(6): 202–208

2001 Putnam, D.H., M. Russelle, S. Orloff, J. Kuhn, L. Fitzhugh, L. Godfrey, A. Kiess, and R. Long. *Alfalfa, Wildlife and the Environment—The importance and Benefits of Alfalfa in the 21st Century*. 24 pages. California Alfalfa and Forage Association, Novato, CA.

2001 Ball, D.M., M. Collins, G.D. Lacefield, N.P. Martin, D.A. Mertens, K.E. Olson, Putnam, D.H., D.J. Undersander, and M.W. Wolf. *Understanding Forage Quality*. American Farm Bureau Federation Publication 1–01. Park Ridge, IL 16 pages.

2001* Blank, S.C, S. Orloff, and D. H. Putnam. Sequential Stochastic Production Decisions for a Perennial Crop: The Yield/Quality Tradeoff for Alfalfa Hay. *Journal of Agricultural and Resource Economics* 26(2001): 195–211.

2001 Putnam, D.H. Emerging Issues of Importance to the Alfalfa Industry. In Proceedings 31st California Alfalfa/Forage Symposium, 12–13 December, 2001, Modesto, CA. Department of Agronomy and Range Science, UC Davis. <http://alfalfa.ucdavis.edu>.

2001 Putnam, D.H. Preventing the Off–site Movement of Pesticides in Alfalfa. In Proceedings, 31st California Alfalfa/Forage Symposium, 12–13 December, 2001, Modesto, CA. Department of Agronomy and Range Science, UC Davis. <http://alfalfa.ucdavis.edu>.

2001* Putnam, D.H., R. Long, B.A. Reed, and W.A. Williams. Effect of Overseeding Forages into Alfalfa on Alfalfa Weevil, Forage Yield and Quality. *J. Agronomy and Crop Science* 187:75–81.

2001 Braunwart, K., D.H. Putnam, and G. Fohner. Alternative Annual Forages—Now and in the Future. In Proceedings, 31st California Alfalfa/Forage Symposium, 12–13 December, 2001, Modesto, CA. Department of Agronomy and Range Science, UC Davis. <http://alfalfa.ucdavis.edu>.

2001 Orloff, S., B. Hanson, and D.H. Putnam, Soil Moisture Monitoring—A simple Method to Improve Alfalfa and Pasture Management.. UC Cooperative Extension, Yreka, CA.

2000* W. Mick Canevari, D.H. Putnam, W. Thomas Lanini, R.F. Long, S. B. Orloff, B.A. Reed, R.V. Vargas. Overseeding and Companion Cropping in Alfalfa. Publication 21594. University of California Agriculture and Natural Resources. 31 pages.

- 2000 D.H. Putnam, J. Brummer, D. Cash, A. Gray, T. Griggs, M. Ottman, I. Ray, W. Riggs, M. Smith, G. Shewaker, and R. Todd. The Importance of Western Alfalfa Production. In Proceedings, 2000 National Alfalfa Symposium, 10–12 December, 2000 Las Vegas, NV. University of California Alfalfa Workgroup, Alfalfa Council. 9 pages.
- 2000 D.H. Putnam, S. Orloff, and T. Ackerly. Agronomic Practices and Forage Quality. In Proceedings, 2000 National Alfalfa Symposium, 10–12 December, 2000 Las Vegas, NV. University of California Alfalfa Workgroup, Alfalfa Council. 13 pages.
- 2000 S. Orloff, D. Putnam, and T. Ackerly. Cutting Schedules to Maximize Profit. 10–12 December, 2000 Las Vegas, NV. University of California Alfalfa Workgroup, Alfalfa Council. 10 pages.
- 2000 Putnam, D.H. and J. Richardson. Alfalfa Pesticide Task Force Tackles Regulations, Scientific Issues. California Alfalfa & Forage Review. Univ. of California Alfalfa Workgroup. Vol. 3 No. 1. March, 2000. pp. 1–2.
- 1999 Putnam, D.H., T. Ackerly, W.A. Williams, W. Graves, L. Gibbs, and G. Peterson. Environmental and cultivar effects on berseem clover yield, forage quality, and disease response. Agronomy Abstracts, Madison, WI p. 143.
- 1998 M.C. Mathews and D.H. Putnam. The 'California Recognized' Program and California Hay Guidelines. CA/NV Alfalfa Symposium Proceedings, 3–4 December, 1998, Reno, NV. Univ. of California Alfalfa Workgroup. pp. 140–147.
- 1998 D.H. Putnam. Relationships Among Testing Results of California Alfalfa Hay Samples. CA/NV Alfalfa Symposium Proceedings, 3–4 December, 1998, Reno, NV. Univ. of California Alfalfa Workgroup. pp. 148–150.
- 1998 D.H. Putnam and S. Orloff. How to select an Alfalfa Variety. CA/NV Alfalfa Symposium Proceedings, 3–4 December, 1998, Reno, NV. Univ. of California Alfalfa Workgroup. pp. 194–202.
- 1999 D.H. Putnam. Hay Industry Trends: Understanding Alfalfa & Dairy Statistics. CA Alfalfa Symposium Proceedings, 8–9 December, 1999. Univ. of California Alfalfa Workgroup. pp. 1–13.
- 1999 Putnam, D.H., and E. DePeters. Finding a Reliable Hay Testing Lab. California Alfalfa & Forage Review. Univ. of California Alfalfa Workgroup. Vol. 2 No. 3. Summer, 1999. pp. 1–7.
- 1999 Putnam, D.H. How to Combat the Misuse of Lab Results. California Alfalfa & Forage Review. Univ. of California Alfalfa Workgroup. Vol. 2 No. 3. Summer, 1999. pp. 1–2.
- 1999 D.H. Putnam, Bill Williams, W. Graves, L. Gibbs, and G. Peterson. The potential of Berseem Clover Varieties for California. CA Alfalfa Symposium Proceedings, 8–9 December, 1999. Univ. of California Alfalfa Workgroup. pp. 108–119.
- 1999 S. Orloff, D.H. Putnam, T. Ackerly, and S. Geng. Big Bales, Small Bales and Sampling Location: Are There Differences? CA Alfalfa Symposium Proceedings, 8–9 December, 1999. Univ. of California Alfalfa Workgroup. pp. 120–130.
- 1998 Putnam, D.H. California Hay Testing Guidelines. Nevada Regional Alfalfa Symposium 3–4 Feb., 1998. Reno, NV.
- 1998 Putnam, D.H. Contributions of Alfalfa to Wildlife and the Environment. In 28th National Alfalfa Symposium, 26–27 February, Bowling Green, KY. Certified Alfalfa Seed Council, Davis, CA.
- 1998 Putnam, D.H., S. Mueller, and S.R. Orloff. Welcome to the California Alfalfa & Forage Review. California Alfalfa & Forage Review. Univ. of California Alfalfa Workgroup. Vol. 1 No. 1. Spring, 1998. p. 2.
- 1998 Putnam, D.H. California Alfalfa Acreage and Rumors of Acreage. California Alfalfa & Forage Review. Univ. of California Alfalfa Workgroup. Vol. 1 No. 1. Spring, 1998. p. 6.
- 1998 Putnam, D.H. Standardize that Hay Test!—Report of the California Hay Testing Consortium. California Alfalfa & Forage Review. Univ. of California Alfalfa Workgroup. Vol. 1 No. 2. Summer, 1998. p. 1.
- 1998 Robinson, P., D.H. Putnam, and S. Mueller. Interpreting your forage test report—a forage quality primer. California Alfalfa & Forage Review. Univ. of California Alfalfa Workgroup. Vol. 1 No. 2. Summer, 1998. pp. 2–3.
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- 1992 Putnam, D.H., E.A. Oelke, and L. McCann. The Center for Alternative Plant and Animal Products – Programs in information exchange and research. Second National New Crops Symposium. 6–9 Oct., 1991, Indianapolis, IN.
- 1985* Putnam, D.H., S.J. Herbert, and A. Vargas. Corn–soybean intercrop density studies. I: Yield complementarity. *Experimental Agriculture* 21:45–52.

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