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Charles C Hillyer

Education	BS, Biological Engineering		
	1991 - 1996	Mississippi State University	Starkville, MS
	Ph.D., Biological Engineering		
	2011	Oregon State University	Corvallis, OR

Professional experience	Student Computer Lab Administrator			
	1994 – 1996	MSU Agricultural & Biological Engineering Dept.	Starkville, MS	
		Graduate Research Assistant		
	1996 – 1998	USDA ARS Crop Simulation Research Unit	Starkville, MS	
		Graduate Research Assistant		
	1998 – 2011	Oregon State University, Biological & Ecological Engineering Dept.	Corvallis, OR	
	Assistant Professor (Senior Research)			
	2011 – 2015	Oregon State University, Biological & Ecological Engineering Dept.	Corvallis, OR	
	Assistant Professor and Extension Agricultural Engineer – Irrigation			
	2015 – Current	Texas A&M AgriLife Research and Extension Service	Amarillo, TX	

- Publications**
- Hillyer C., (2011). Optimal Irrigation Management: a framework, model, and application for optimizing irrigation when supplies are limited (Doctoral Dissertation). Oregon State University, Dep. Of Biological and Ecological Engineering, Corvallis, Oregon.
- Hillyer C., Bolte J., van Evert F. Lamaker A. (2003). The ModCom modular simulation system. *European Journal of Agronomy* 18(3):333-243.
- Hillyer, C., M. English, C. Sayde, K. Hutchinson, and J. Busch. (2009). A Web-Based Advisory Service For Optimum Irrigation Management. In: *World Environmental & Water Resources Congress*, Kansas City, MO: ASCE.
- Hillyer, C., Sayde C. (2010) A Web Based Advisory Service For Optimum Irrigation Management. In: *5th National Decennial Irrigation Conference*, Phoenix, AZ: ASABE
- Hillyer, C., Robinson, R. (2010) Envisioning The Next Generation Of Irrigation Schedulers. In: *5th National Decennial Irrigation Conference*, Phoenix, AZ: ASABE
- Hillyer, C., C. Higgins, and J. Kelly. (2013). Catch Can Testing of a Variable Rate Irrigation System and Evaluation Using a Time Varying Densogram. In *ASABE Paper #131620517*, Kansas City, MO: ASABE, St. Joseph, Michigan.
- Hillyer, C., M. English, L. Rhodig, G. Wickes, and J. Le Roux. (2013). A Demonstration of Energy & Water Savings Potential from an Integrated Precision Irrigation System. In *2013 Irrigation Show & Education Conference*, Austin, TX: Irrigation Association.
- Berne, D., A. Ferreyra, C. Hillyer, L. Bissey-Crawford, T. Schiltz, L. Rhodig, and G. Wickes. (2013). Data Standards for Precision Irrigation. In *2013 Irrigation Show & Education Conference*, Austin, TX: Irrigation Association.
- Hillyer, C., Berne, D., Ferreyra, A., Smith, A. (2014). Data Standards for Precision Irrigation Management. *ASABE and CSBE/SCGAB Annual International Meeting*. Montreal, Quebec Canada
- Hillyer, C., Higgins, C. (2014). A Demonstration of Energy & Water Savings Potential of Variable Rate Irrigation. *ASABE and CSBE/SCGAB Annual International Meeting*. Montreal, Quebec Canada

Grants **Optimum Irrigation Management Demonstration for Enhancing Energy Efficiency and Profitability**, funded by the Northwest Energy Efficiency Alliance, 2012-2014, \$634k

Simple Scientific Irrigation Scheduling System, funded by Oregon USDA NRCS Environmental Quality Incentives Program, 2013-2014, \$56k

Professional Activities **Environmental Water Resources Institute** member and chair of On-Farm Irrigation committee

American Society of Agricultural and Biological Engineering, member

Irrigation Association, member

Technical Skills

Languages

C#, JavaScript, C/C++, T-SQL, R, Visual Basic, Java, FORTRAN, XML/XSD/XSLT, MC6811 Assembler

Technologies

ASP.NET, Windows Forms, COM/ATL, MFC, OpenGL