

Adam H. Sparks

Plant Disease Management Specialist@IRRI

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skills

GIS
modelling
agricultural statistics

research interests

field crop disease management; epidemiology and ecology; geophytopathology; climate change

education

- | | | |
|------|---|-------------------------|
| 2009 | Ph.D. Plant Pathology
Plant Disease Epidemiology and Ecology | Kansas State University |
| | Dissertation: <i>Disease risk mapping with metamodels for coarse resolution predictors: global potato late blight risk now and under future climate conditions</i> | |
| 2007 | Graduate Certificate Geography
Geographic Information Science | Kansas State University |
| 2000 | B.Sc. Agronomy
Soil and Crop Management | Purdue University |

experience

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|------------|---|----------------------------------|
| since 2012 | International Rice Research Institute (IRRI) | Scientist I |
| | <i>Develop tools and strategies for farmers to use in addressing rice diseases</i> | |
| 2011-2012 | International Rice Research Institute (IRRI) | Post-Doctoral Fellow |
| | <i>Linked plant disease models with GIS tools</i> | |
| 2009-2010 | Kansas State University | Post-Doctoral Research Associate |
| | <i>Developed and refined wheat Fusarium head blight models</i> | |
| 2002-2004 | University of Nebraska-Lincoln | Research Technologist |
| | <i>Managed maize and soybean plant pathology extension field research</i> | |
| 2000-2003 | University of Nebraska-Lincoln | Research Technician |
| | <i>Managed maize and sorghum plant pathology extension field research</i> | |
| 1999-2000 | Purdue University | Assistant Director |
| | <i>Coordinated training events for Purdue Diagnostic Training and Research Center</i> | |
| 1997-1999 | Purdue University | Research Technician |
| | <i>Managed soybean and canola production research studies</i> | |

publications

invited talks

- | | |
|------|--|
| 2013 | Biosecurity Risks in Southeast Asia Impacting on Human Food Supplies
Forum: Pacific Environmental Safety Forum Australian Department of Defence and U. S. Pacific Command
Sydney, New South Wales, Australia |
| 2010 | Global potato late blight risk in response to climate change, possible futures for a historic disease
Symposium: Emerging Infectious Diseases in Response to Climate Change.
New York Academy of Sciences, New York, New York |

extramural support

2013-2017	PRISM Philippine Rice Information System Component B – Crop Health Monitoring, Co-PI: A Nelson	\$2,765,783
2013-2015	Syngenta Phase II, Project 2 – Crop Health Management	\$454,640

professional certifications

PRINCE2 Foundation (2014) candidate number: P2R/009385 – HiLogic Pty Ltd.

professional affiliations

American Phytopathological Society (APS)

Australasian Plant Pathology Society (APPS)

International Society of Plant Pathology (ISPP)