

REFERENCES

- Abarquez, I. and Z. Murshed. 2004. Handbook of Field Practitioners - Community-based Disaster Risk Management. Asian Disaster Preparedness Center (ADPC), P.O. Box 4, Klong Luang, Pathumthani 12120, Thailand. [Online]. Available: <http://www.adpc.net/pdr-sea/publications/12handbk.pdf> [April 20th 2013].
- Asian Disaster Preparedness Center (ADPC). 2003. The Role of Local Institutions in Reducing Vulnerability to Recurrent Natural Disasters and in Sustainable Livelihoods Development - Case study: Vietnam. [Online]. Available: <http://www.fao.org/3/a-ae080e.pdf> [Jun 26 2013].
- Ajao, A. and L. Ogunniyi. 2011. "Farmers' Strategies for Adapting to Climate Change in Ogbomoso Agricultural Zone of Oyo State." *AGRIS on-line Papers in Economics and Informatics*. 3(3): 3-13.
- Myint Myint Aye. 2008. Farmers' Attitudes towards Monsoon Groundnut Production in Pakokku District, Dry Zone Area, Myanmar. M.S. Thesis in Tropical Agriculture. Graduate School, Kasetsart University.
- Babu S. C. and P. Sanyal. 2009. *Food Security, Poverty, and Nutrition Policy Analysis: Statistical Methods and Applications*. Academic Press.
- Barron J., J. Rockström, F. Gichuki and N. Hatibu. 2003. "Dry Spell Analysis and Maize Yields for Two Semi-Arid Locations in East Africa," *Agricultural and Forest Meteorology*. 117(1): 23-37.
- Barron, J. and G. Okwach. 2005. "Run-off Water Harvesting for Dry Spell Mitigation in Maize (*Zea mays* L.): Results from On-farm Research in Semi-arid Kenya." *Agricultural water management*. 74(1): 1-21.

- Bayaga, A. 2010. "Multinomial Logistic Regression: Usage and Application in Risk Analysis." *Journal of Appl. Quant. Methods* 5(2): 288-297.
- Below, T. B., K. D. Mutabazi, D. Kirschke, C. Franke, S. Sieber, R. Siebert and K. Tscherning. 2012. "Can Farmers' Adaptation to Climate Change be Explained by Socio-Economic Household-Level Variables?." *Global Environmental Change*. 22(1): 223-235.
- Bhusal, Y. 2009. Local Peoples' Perceptions on Climate Change, Its Impacts and Adaptation Measures in Mid-Mountain Region of Nepal, Bachelor of Science Thesis in Forestry, Tribhuvan University, Pokhara, Nepal.
- Bui Dung The and Bui Duc Tinh. 2012. "Households' Vulnerability to Climate Change in Thua Thien Hue Province." *Journal of Science, Hue University*. 70(1): 227-236.
- Campos, H., M. Cooper, J. Habben, G. Edmeades and J. Schussler. 2004. "Improving Drought Tolerance in Maize: A View from Industry," *Field Crops Research*. 90(1): 19-34.
- Cattivelli, L., F. Rizza, F.-W. Badeck, E. Mazzucotelli, A. M. Mastrangelo, E. Francia, C. Mare, A. Tondelli and A. M. Stanca. 2008. "Drought Tolerance Improvement in Crop Plants: An Integrated View from Breeding to Genomics." *Field Crops Research*. 105(1): 1-14.
- Ceballos, A., J. M. Fernández and M. A. L. Ugidos. 2004. "Analysis of Rainfall Trends and Dry Periods on a Pluviometric Gradient Representative of Mediterranean Climate in the Duero Basin, Spain." *Journal of Arid Environments*. 58(2): 215-233.
- Deressa, T. T., R. M. Hassan, C. Ringler, T. Alemu and M. Yesuf. 2008. Analysis of the Determinants of Farmers' Choice of Adaptation Methods and Perceptions of Climate Change in the Nile Basin of Ethiopia, International Food Policy Research Institute (IFPRI).

- Deressa, T. T., R. M. Hassan, C. Ringler, T. Alemu and M. Yesuf. 2009. "Determinants of Farmers' Choice of Adaptation Methods to Climate Change in the Nile Basin of Ethiopia." *Global Environmental Change*. 19(2): 248-255.
- Deressa, T. T., R. M. Hassan and C. Ringler. 2010. "Perception of and Adaptation to Climate Change by Farmers in the Nile Basin of Ethiopia." *The Journal of Agricultural Science*. 149(1): 23-31.
- Dhaka, B., K. Chayal, M. Poonia and K. Kendra. 2010. "Analysis of Farmers' Perception and Adaptation Strategies to Climate Change." *Libyan Agriculture Research Center Journal International*. 1(6): 388-390.
- Diggs, D. M. 1991. "Drought Experience and Perception of Climatic Change among Great Plains farmers." *Great Plains Research: A Journal of Natural and Social Sciences*. 1(0): 114-132.
- Eakin, H. 2000. "Smallholder Maize Production and Climatic Risk: A Case Study from Mexico." *Journal of Climatic Change*. 45(1): 19-36.
- Easterling, D. R., J. Evans, P. Y. Groisman, T. Karl, K. E. Kunkel and P. Ambenje. 2000. "Observed Variability and Trends in Extreme Climate Events: A Brief Review," *Bulletin of the American Meteorological Society*. 81(3): 417-425.
- Edmeades, G. O. 1996. *Developing Drought and Low N-tolerant Maize: Proceedings of a Symposium*. CIMMYT, El Batán, Mexico.
- Ei Ei Cho. 2011. Factors Affecting Adoption on Soil Conservation Measures Using Organic Material in Oil Seed Crops-based Farming System at Magway Township, Central Dry Zone of Myanmar. M.S. Thesis in Agricultural System. Graduate School, Chiang Mai University.
- Ekpoh, I. 2010. "Adaptation to the Impact of Climatic Variations on Agriculture by Rural Farmers in North-Western Nigeria." *Journal of Sustainable Development*. 3(4):194-202.

- El-Habil, A. M. 2012. "An Application on Multinomial Logistic Regression Model." *Pakistan Journal of Statistics and Operation Research*. 8(2): 271-291.
- Erian, W., B. Katlan and O. Babah. 2011. Drought Vulnerability in the Arab Region: Special Case Study: Syria. Background Paper Prepared for the League of Arab States, the Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD).
- Eriyagama, N., V. Smakhtin and N. Gamage. 2009. *Mapping Drought Patterns and Impacts: A Global Perspective*. IWMI.
- Frank, E., H. Eakin and D. López-Carr. 2010. Risk Perception and Adaptation to Climate Risk in the Coffee Sector of Chiapas, Mexico. Proceedings of the Tropentag 2010 World Food System Annual Conference, Zurich, Switzerland.
- Gbetibouo, G. A. 2009. Understanding Farmers' Perceptions and Adaptations to Climate Change and Variability: The Case of the Limpopo Basin, South Africa. International Food Policy Research Institute.
- Gobin, A. 2012. "Impact of Heat and Drought Stress on Arable Crop Production in Belgium." *Natural Hazards and Earth System Sciences*. 12(6): 1911–1922.
- Gregory, J., J. Mitchell and A. Brady. 1997. "Summer Drought in Northern Midlatitudes in a Time-Dependent CO₂ Climate Experiment." *Journal of Climate*. 10(4): 662-686.
- Greene H.W. 2003. *Econometric Analysis*. 5th Edition, Pearson Education, Inc., Upper Saddle River, New Jersey, USA.
- Habiba, U., R. Shaw and Y. Takeuchi. 2012. "Farmer's Perception and Adaptation Practices to Cope with Drought: Perspectives from Northwestern Bangladesh." *International Journal of Disaster Risk Reduction*. 1(0): 72-84.
- Haddad, B. M. 2005. "Ranking the Adaptive Capacity of Nations to Climate Change When Socio-Political Goals are Explicit," *Global Environmental Change*. 15(2): 165-176.

- Hansen, J. W., S. M. Marx and E. U. Weber. 2004. The Role of Climate Perceptions, Expectations, and Forecasts in Farmer Decision Making: The Argentine Pampas and South Florida: Final Report of an IRI Seed Grant Project, International Research Institute for Climate Prediction.
- Heisey, P. W. and G. O. 1998. Edmeades, Maize Production in Drought-Stressed Environments: Technical Options and Research Resource Allocation, International Maize and Wheat Improvement Center (CIMMYT), Mexico.
- Hyoung Gun Wang and M. M. Munoz. 2009. "Natural Hazards and Climate Change risks." [Online]. Available: <http://www.preventionweb.net/files/15519gfdrrclimateandnaturalhazardrisksda.pdf>. [June 20 2013].
- Johnson, J. B. and V. Smith. 2003. "Adverse Impacts of Drought on Crops and Crop Producers in the West," Western Economics Forum, *Western Agricultural Economics Association*. 2(1): 1-7.
- Kemper, N. A. Flanders, B. Watkins and M. Popp. 2012. Impact of the 2012 Drought on Field Crops and Cattle Production in Arkansas - Preliminary Report. University of Arkansas System.
- Klein, R. J. 2003. Adaptation to Climate Variability and Change: What Is Optimal and Appropriate?. Potsdam Institute for Climate Impact Research, Potsdam, Germany.
- Le Thi Hong Phuong. 2011. Climate Change and Farmers' Adaptation: A Case Study of Mixed - Farming Systems in the Coastal Area in Trieu Van Commune, Trieu Phong District, Quang Tri Province, Vietnam. Master Thesis in Rural Development with Specialization in Livelihood and Natural Resource Management. Department of Urban and Rural Development Faculty of Natural Resources and Agriculture Sciences Swedish University of Agricultural Sciences.
- Legesse, B., Y. Ayele and W. Bewket. 2013. "Smallholder Farmers' Perceptions and Adaptation to Climate Variability and Climate Change in Doba District, West Hararghe, Ethiopia." *Asian Journal of Empirical Research* 3(3): 251-265.

- Maponya, P. and S. Mpandeli. 2012. "Climate Change and Agricultural Production in South Africa: Impacts and Adaptation Options." *Journal of Agricultural Science*. 4(10): 48-60.
- Mathugama, S. and T. Peiris. 2011. "Critical Evaluation of Dry Spell Research." *International Journal of Basic & Applied Sciences*. 6(11): 153-160.
- Mertz, O., C. Mbow, A. Reenberg and A. Diouf. 2009. "Farmers' Perceptions of Climate Change and Agricultural Adaptation Strategies in Rural Sahel." *Environmental Management*. 43(5): 804-816.
- Monacelli, G. 2005. Drought Assessment and Forecasting. World Meteorological Organization Weather, Climate and Water: WGH/RA VI /Doc. 8. [Online]. Available: <https://www.wmo.int/pages/prog/hwrp/documents/regions/DOC8.pdf>. [May 17 2013].
- Mudzonga, E. C. 2011. Farmers' Adaptation to Climate Change in Chivi District of Zimbabwe. International Food Policy Research Institute Zimbabwe.
- Nguyen Dang Tinh. 2006. Coping with Drought in the Central Highlands – Vietnam. Doctoral Thesis Institute of Environment & Resources Technical University of Denmark.
- Nhemachena, C., R. Hassan and J. Chakwizira. 2014. "Analysis of Determinants of Farm-Level Adaptation Measures to Climate Change in Southern Africa." *Journal of Development and Agricultural Economics*. 6(5): 232-241.
- Obayelu, O. A., A. O. Adepoju and T. Idowu. 2014. "Factors Influencing Farmers' Choices of Adaptation to Climate Change in Ekiti State, Nigeria." *Journal of Agriculture and Environment for International Development*. 108(1): 3-16.
- Ogalleh, S. A., C. R. Vogl, J. Eitzinger and M. Hauser. 2012. "Local Perceptions and Responses to Climate Change and Variability: The Case of Laikipia District, Kenya." *Sustainability*. 4(12): 3302-3325.

- Ogunlade, M., S. Agbeniyi, K. Oluyole, M. Rashidi, M. Gholami, S. Abbassi, P. Mani, T. J. Bastin, R. A. Kumar and A. B. A. Ahmed. 2010. "An Assessment of the Perception of Farmers on Cocoa Pod Husk Fertilizer in Cross River State, Nigeria." *ARPJ Journal of Agricultural and Biological Science*. 5(4): 1-4.
- Olmos, S. 2001. "Vulnerability and Adaptation to Climate Change: Concepts, Issues, Assessment Methods". Climate Change Knowledge Network Foundation Paper. [Online]. Available: http://www.iisd.org/cckn/pdf/va_foundation_final.pdf. [27 Jun 2013].
- Park, C. 1999. Perception of Hazards and Extreme Events. [Online]. Available: <http://www.lancs.ac.uk/staff/gyaccp/hazards/chap4.htm>. [17 April 2013].
- Risbey, J., M. Kandlikar, H. Dowlatabadi and D. Graetz. 1999. "Scale, Context, and Decision Making in Agricultural Adaptation to Climate Variability and Change." *Mitigation and Adaptation Strategies for Global Change*. 4(2): 137-165.
- Sahu, N. C. and D. Mishra. 2013. Analysis of Perception and Adaptability Strategies of the Farmers to Climate Change in Odisha, India. *APCBEE Procedia* 5(2): 123-127.
- Schwab, C. V., A. R. Ralston, L. J. Miller and H. M. Hanna. 1995. "Comparison between Perceptions of Farm Hazards and Injury Records in Iowa." *Journal of Agricultural Safety and Health*. 1(4): 240-248.
- Selvaraju, R. and S. Baas. 2007. *Climate Variability and Change: Adaptation to Drought in Bangladesh: a Resource Book and Training Guide*. Food and Agriculture Organization.
- Shaw, R. and H. Nguyen. 2011. *Droughts in Asian monsoon region*. Emerald Group Publishing.
- Sivakumar, M. 1992. "Empirical Analysis of Dry Spells for Agricultural Applications in West Africa." *Journal of Climate*. 5(5): 532-539.

- Shongwe, P., M. B. Masuku and A. M. Manyatsi. 2014. "Factors Influencing the Choice of Climate Change Adaptation Strategies by Households: A Case of Mpolonjeni Area Development Programme (ADP) in Swaziland." *Journal of Agricultural Studies*. 2(1): 86-98.
- Slegers, M.F.W. 1991. Exploring Farmers' Perceptions of Drought in Tanzania and Ethiopia, Doctoral Thesis Wageningen University, Netherlands.
- Smakhtin, V. U. and E. L. F. Schipper. 2008. "Droughts: The Impact of Semantics and Perceptions." *Water Policy*. 10(2): 131-143.
- Smit, B. and J. Wandel. 2006. "Adaptation, Adaptive Capacity and Vulnerability." *Global Environmental Change*. 16(3): 282-292.
- Sofoluwe, N., A. Tijani and O. Baruwa. 2011. "Farmers' Perception and Adaptation to Climate Change in Osun State, Nigeria." *African Journal of Agricultural Research*. 6(20): 4789-4794.
- Sun, Y., S. Solomon, A. Dai and R. W. Portmann. 2006. "How Often Does It Rain?." *Journal of Climate*. 19(6): 916-934.
- Tazeze, A., J. Haji and M. Ketema. 2012. "Climate Change Adaptation Strategies of Smallholder Farmers: The Case of Babilie District, East Harerghe Zone of Oromia Regional State of Ethiopia." *Journal of Economics and Sustainable Development*. 3(14): 1-12.
- Taylor, J. G., T. R. Stewart and M. Downton. 1988. "Perceptions of Drought in the Ogallala Aquifer Region." *Environment and Behavior*. 20(2): 150-175.
- Terra, K., A. Van Rompaey, J. Poesen, Y. Welday and J. Deckers. 2012. "Impact of Climate Change on Small-holder Farming: A Case of Eastern Tigray, Northern Ethiopia." *African Crop Science Journal*. 20(2): 337-347.

- Uddin, M. N., W. Bokelmann and J. S. Entsminger. 2014. "Factors Affecting Farmers' Adaptation Strategies to Environmental Degradation and Climate Change Effects: A Farm Level Study in Bangladesh." *Climate*. 2(4): 223-241.
- Uitto, J. I. and R. Shaw. 2006. "Adaptation to Changing Climate: Promoting Community-Based Approaches in The Developing Countries." *SANSAI: An Environmental Journal for the Global Community*. 1(0): 93-107.
- Wachinger, G. and O. Renn. 2010. Risk Perception and Natural Hazards. CapHaz-Net WP3 Report, DIALOGIK Non-Profit Institute for Communication and Cooperative Research, Stuttgart.
- Wilken, G. C. 1982. Agro-climatic Hazard Perception, Prediction, and Risk-Avoidance Strategies in Lesotho, Institute of Behavioral Science, University of Colorado.
- Wilhite, D. A. and M. H. Glantz. 1985. "Understanding the Drought Phenomenon: The Role of Definitions." *Water International*. 10(3): 111-120.
- Woudenberg, D. L., D. A. Wilhite and M. Hayes. 2008. "Perception of Drought Hazard and Its Sociological Impacts in South-Central Nebraska." *Great Plains Research*. 18(0): 93-102.
- Zhang, Jiquan. 2004. "Risk Assessment of Drought Disaster in the Maize-Growing Region of Songliao Plain, China." *Agriculture, Ecosystems & Environment*. 102(2): 133-153.

Copyright © by Chiang Mai University
All rights reserved