

References

- Abstract of Agricultural Statistics. (2001). National Department of agriculture, Government of South Africa, Pretoria, South Africa.
- Adams, R.M. (1989). "Global Climate Change and Agriculture: An Economic Perspective". *American Journal of Agricultural Economics*, Vol.71: 5, pp. 1272-1279
- Alexandrov, V.A and Hoogenboom, G. (2000). "The impact of climate variability and change on crop yield in Bulgaria". *Agriculture and Forest Meteorology*, Vol.104, pp. 315-327.
- Barron, E. J. (1995). "Climate Models, How Reliable are Their Predictions? ". *Consequences*. <http://www.gcric.org/CONSEQUENCES/fall95/mod.html>.
- Blackburn, F. (1984). *Sugar-cane*. New York, Longman Inc.
- Campbell, J. (2000). *Climate Change Vulnerability and Adaptation Assessment for Fiji. Technical Summary and Synthesis*. Report Prepared for the World Bank by the Center for International Global Change Institute, Waikato University, Hamilton, New Zealand.
- Chang, C. (2002). "The Potential Impact of Climate Change on Taiwan's Agriculture". *Agricultural Economics*, Vol. 27, pp. 51-64.
- Cline, W. (1996). "The Impact of Global Warming on Agriculture: Comment". *American Economic Review*, Vol. 86, pp. 1039-1312.
- Deke, O., Hooss, K.J., Kasten, C., Springer, K. (2001). Economic Impact of Climate Change with a Regionalized Climate Economy Model. <http://www.ideas.repec.org/p/wop/kieliw/1065.html>
- Dinar, A., Mendelsohn, R., Evenson, R. Parkih, J., Sanghi, A., Kumar, K., McKinsey, and S., Lonergan, (1998). Measuring the Impact of Climate Change on Indian Agriculture. In: A Dinar, et al. (eds). World Bank Technical Paper No. 402. World Bank, Washington, D.C.
- Dinar, A. and Beach. (1998). The climate sensitivity of Indian agriculture. In: A. Dinar, et al. (eds). Measuring the Impact of Climate Change on Indian Agriculture, Washington DC: World Bank Technical Paper No. 402. World Bank, Washington, D.C.
- Du Toit, M.A., Prinsloo, S. and Marthinus A. (2001). El Nino-Southern Oscillation effects on Maize production in South Africa: A preliminary methodology study. In: Rosenzweig, C., K.J. Boote, S. Hollinger, A. Iglesias and J.G. Phillips (Eds), Impacts of El Niño and climate variability on agriculture. ASA Special Publication 63, American Society of Agronomy, Madison, Wis., USA, pp. 77-86.

- Erasmus, B. Van Jaarsveld, A. Van Zyl, J. and Vink, N. (2000). "The Effect of Climate Change on Farm Sector in the Western Cape". *AGREKON*, Vol. 39:4, pp. 559-573.
- FAO. (1996). *Agro-ecological zoning: Guidelines*, FAO Soils Bulletin 73. Rome, Italy.
- FAO. (2002). FAOSTATE agriculture data. <http://www.faostat.fao.org/abcdq/about.htm>.
- FAO. (2002). *Global Agro-ecological Zones assessment: Provisional Methodology and Results*. <http://www.fao.org/ag/agl/agll/gaezmeth.htm>.
- Fecher, S.R., Moodley, S. (2002). Economic valuation of increased malaria due to climate change: a South African case study. Forum for economics and environment: first annual conference, Cape Town, South Africa.
- Gillig, D. and McCarl, B.A. (2002). *Introduction to Computable General Equilibrium Models (CGE)*. Department of Agricultural Economics Texas A & M University. <http://ageco.tamu.edu/>.
- Groenewald, J. (1998). Agriculture: its role in the economic and social life of South Africa. In *Agricultural Policy Reform in South Africa*, pp. 25-34
- Hanekom, D. (1998). *Agricultural Policy in South Africa. A Discussion Document*, Ministry of Agriculture and Land Affairs. Pretoria, South Africa.
- Hassan, R.M. (1998). Evaluating the economy-wide impacts of the new water policy in South Africa: A SAM approach, paper presented to the First International Congress of Environmental and Resource Economists, June 25-27, Venice.
- Hassan, R.M., Olbrich, B., Craford, J. (2001). Comparative analysis of the economic efficiency of water use in the crocodile catchments. Part one: Measuring total economic benefits in sub-tropical fruits, forestry and sugarcane production. Second draft report.
- Hennessy, K. (2002). CSIRO Impacts and Adaptation Working Group. <http://www.bom.gov.au/climate/cli2000/kHennessy.html>
- Hewitson, B.C., (1998). South African national assessment for the framework convention for climate change: Climate change scenarios. [Http://tie.egs.uct.ac.za/fcc/hadcm2.html](http://tie.egs.uct.ac.za/fcc/hadcm2.html).
- Hirschman, A.O. (1961). *The strategy of economic development*. New Haven: Yale University Press.
- Humbert, P.H. (1968). *The Growing of Sugarcane*. New York, Elsevier Pub.Co.

- Hunsgi, G. (1993). *Production of Sugarcane: Theory and Practice*. Bangalore: McMillan India Ltd.
- Intergovernmental Panel on Climate Change. (1990). Scientific assessment of climate change: Report prepared by working group I. New York: World Metrological Organization and United Nations Environmental Program.
- Intergovernmental Panel on Climate Change. (1996). 'IPCC second assessment summary for policy makers: the science of climate change', IPCC Mimeograph.
- Intergovernmental Panel on Climate Change. (2001). Climate Change: The Scientific Basis. <http://www.ipcc.ch/>
- JAWF. (1999). Major World Crop Areas and Climatic Profiles Online Version. <http://www.usda.gov/oce/waob/jawf/profiles/mwcacp2.htm>.
- Jooste, A. and Van Zyl. (1999). Regional Agricultural Trade and Changing Comparative Advantage in South Africa. Technical Paper No. 94.
- Kaiser, M.H., Riha, J. S., Wilks, S. D., Rossiter, G.D., Sampath, R. (1993). "A farm -level analysis of economic and agronomic impacts of gradual climate warming". *American Journal of Agricultural Economics*, Vol. 75: pp. 387-398.
- Kiker, G.A. (2002). CANEGRO-DSSAT linkages with geographic information systems: applications in climate change research for South Africa. Proceedings of International CANGRO Workshop, Mount Edgecombe, South Africa.
- Kiker, G.A., Bamber, I. N., Hoogenboom, G., Mcgelinchey, M. (2002). Further Progress in the validation of the CANEGRO-DSSAT model. Proceedings of International CANGRO Workshop, Mount Edgecombe, South Africa.
- Kumar, K.S. and Parikh, J. (1998). Climate change impacts on Indian agriculture: the Ricardian approach. In: Dinar, et al. (eds). *Measuring the Impact of Climate Change on Indian Agriculture*. Washington DC: World Bank, Technical Paper No. 402
- Lal, M., Singh, K.K., Srinivasan, L.S., Rathore, L.S., Naidu, D. and Tripathi C.N. (1999). "Growth and yield responses of Soybean in Madhya Pradesh, India to climate variability and Change". *Agriculture and forest Metrology*, Vol. 93: 1, pp.53-70.
- Lewis, W.A. (1955). *The Theory of Economic Growth*. Homewood, Ill: Irwin.
- Mabugu, R. 2002. The use of CGE modeling in the analysis of Environmental policy reform. Collaborative Regional Masters in Environmental Economics and Policy (CEEPA) Specialization Course Module. Lecture notes. University of Pretoria, South Africa.
- Manglelsdorf, A.J. (1950). "Sugarcane as Seen from Hawaii". *Econ. Botany*, No. 4, pp. 150-176.

- McDonald, Kirsten, J.F., Van Zyl, J. (1997). "Social Accounting Matrix for Modeling Agricultural Policy Reform in South Africa". *AGREKON*, Vol. 36:4, pp. 513-532.
- Mendelson R., Dinar, A., and Dalfelt, A., (2000). Climate change Impacts on African Agriculture. <http://www.worldbank.org/wbi/sdclimate/pdf>.
- Mendelsohn, R., and Tiwari, D. (2000). Two essays on climate change and agriculture: A developing Country Perspective. FAO Economic and Social Development Paper, 145. Rome, Italy.
- Mendelsohn, R., Nardhaus, W. and Shaw, D.G. (1994). " The Impact of Global Warming on Agriculture. A Ricardian Analysis." *American Economic Review*, Vol.84: 88, pp. 753-771.
- Mendelsohn, R. and Nardhaus, W. (1996). "The Impact of Global Warming on Agriculture: Reply." *American Economic Review*, Vol. 86, pp. 1312-1315.
- Meyer, N. G. (1998). The Agricultural Potential of South Africa. A Provincial Perspective on Food Security and Land Reform. Unpublished PhD dissertation, University of Pretoria.
- National Department of Agriculture. (1947). Agro-ekonomiese Opmerna Van die Unie Pamflet No.270, Staatadrukker, Pretoria.
- Nordhaus, W.D., and Yang, Z., (1996). "A regional dynamic general - equilibrium model of alternative climate change strategies". *American economic review*, Vol. 86: 4, pp 711-763.
- Oladosu, G., Shortle, J., Lazo, J.K. and Alber, D. (1999). Valuation of Climate Change in Computable general equilibrium models. <http://www.soc.uoc.gr/>
- Olesen, J. E., Bocher, P. K., and Jensen, Y. (2000). "Comparison of Scales of climate and Soil data for aggregating simulated yields in winter wheat in Denmark". *Agriculture, Ecosystem and Environment*, Vol. 82: 3, pp. 213-228.
- Polsky, C. and Esterling, W.E. (2001). "Adaptation to climate variability and change in the US Great Plains: A multi-scale analysis of Ricardian climate sensitivities". *Agriculture, Ecosystem and Environment*, Vol. 85:3, pp. 133-144.
- Poonyth, D. Hassan, R., Kirsten, J.F. & Calcatera, M. (2001). "Is the Agricultural Sector a Pre condition for Economic Growth ? The Case of South Africa". *AGREKON*, 40:2, pp. 269-279.

- Poonyth, D. Hassan, R.M, Kirsten, J.F. (2002). Measuring the Impact of Climate Change on South African Agriculture. First Draft Report, Center For Environmental Economics and Policy in Africa (CEEPA), Pretoria.
- Reilly, J., Hohmann, N. and Kane, S. (1994)." Climate Change and Agricultural Trade: Who Benefits, Who Loses ?" *Global Environmental Change*, Vol. 4:1, pp. 24-36.
- Ricardo, D. (1817). *The Principles of Political Economy and Taxation*. London, John Murray.
- Rosenzweig, C. (1989). "Global Climate Change: Predictions and Observations. Climate change". *American Journal of Agricultural economics*, Vol.71:5, pp.1265-1271.
- Rosenzweig, C., Major, D.C., Strzepek, K., Hillel, D., Iglesias, A., Yates, D., Holt, A. (1998). Water for agriculture: Today, 2010 and 2020. Project report.
- Sadoulet, E. and De Janvry, A. (1995). *Quantitative Development Policy Analysis*. London: John Hopkins University Press.
- Sanghi, A. Mendelsohn, R and Dinar, A. (1998) .The climate sensitivity of Indian agriculture. In: A Dinar, et al. (eds). Measuring the Impact of Climate Change on Indian Agriculture, Washington DC: World Bank. Technical Paper No. 402
- SASA (2001). Industry directory 2000/2001. South African Sugar Producers Association, Durban.
- Schulze, R.E. (1993). The green house effect and global climate change: An agricultural outlook from M.L Namibia. Association of Agricultural Economists in Namibia-Seminar on Challenges to Agriculture to the year 2000 Within the Changing environment.
- Smit , M. (2002). Personal Communication with Principal Crop Scientist SASEX P/Bag X02, Mt Edgecombe 4300 South Africa (T) (031) 539-3205 x2161.
- Smith, J.M. (1994). Crop, pasture and timber yield index. Natal Agricultural Research Institute, Cedara. Cedara Report, N/A/94/4. pp 82.
- Solow, R.M. (1970). *Growth Theory: An exposition*. Oxford: Oxford University Press.
- Southworth, J., Randolph, J.C., Habeck, M., Doering, O.C., Pfeifer, R.A., Rao, D.G and Johnston, J.J. (2000). "Consequences of future climate change and changing climate variability on maize yield in the Midwestern United States". *Agriculture, Ecosystem and Environment*, Vol. 82:3, pp. 139-158.
- Townsend, R.E. (1997). Policy Distortions and agricultural performance in the South African Economy. Development Bank of Southern Africa, Development Information Business Unite. Discussion Paper No. 138.

- Turpie, J. (2002). The existence value of South Africa's natural heritage and implications of its loss through climate change, a Western Cape perspective. Energy and development research center, University of Cape Town.
- Turpie, J., Winkler, H., Fecher, R.S., and Midgley, G. (2002). Economic impacts of climate change in South Africa. A preliminary analysis of Unmitigated Damage Costs. Energy and development research center, University of Cape Town.
- Van Jaarsveld, A.S., and Chown, S.L., 2001. "Climate Change and its impacts in South Africa". *Trends in ecological evolution*, Vol.16: 1, pp. 13-14.
- Van Zyl, J., Nel, H.J., and Groenewald, J.A. (1988). "Agriculture's contribution to the South African Economy". *AGREKON*, Vol. 27:2, pp.1-9.
- Vink, N. and Kirsten, J.F. (1999). "A descriptive analysis of employment trends in South African agriculture". *AGREKON*, Vol. 38:2, pp. 204-228.
- Winter, P., Muragi, R., Sadoulet, E., DeJanvry.A. (1996). Climate Change, Agriculture, and Developing Economies. Department of Agricultural and Resource economics, Division of Agriculture and Resource Economics. University of California at Berkley. Working paper No. 785.
- Xiao, X., Melillo, J., M., Kicklighter, D.W., McGurie, A. D., Tian, H., Pan, Y., Vorosmarty, C.J., and Yang, Z., (2002). Transient Climate Change and Potential Croplands of the World in the 21st Century. Massachusetts Institute of Technology, Joint program on the Science and Policy of Global Change. Report No. 18.
- Yates, D.N., and Strzepek, K.M., (1998). "Modeling the Nile Basin under climate change". *Journal of Hydrologic engineering*, Vol. 3:2, pp. 98 -108.