

DYMEX Citations and Applications

This list is not official and is provided as a guide for interested parties to view the range of CLIMEX and/or DYMEX applications. If you are aware of any omissions or errors please advise us. Some key references are duplicated under different headings for convenience.

- Concepts
- Forest Pests and Diseases
- Crop Pests
- Weeds
- Livestock Pests
- Biological Control
- Global change
- Vertebrate Pests
- Environmental Pests
- Conservation
- Public Health and Climate Change
- Plant Breeding

Concepts

Sutherst, R.W. & Maywald, G.F. (2005). A climate-model of the red imported fire ant, *Solenopsis invicta* Buren (Hymenoptera: Formicidae): implications for invasion of new regions, particularly Oceania. *Environmental Entomology* 34: 317-335.

Sutherst, R.W. (2004). Global change and human vulnerability to vector-borne diseases. *Clinical Microbiology Reviews* 17:136-173.

Sutherst, R.W. (2004). Prediction of species' geographical ranges. A critical comment on M.J. Samways, R. Osburn, H. Hastings and V. Hattingh (1999) Global climate change and accuracy of prediction of species geographical ranges: establishment success of introduced ladybirds (Coccinellidae, *Chilocorus* spp.) worldwide. *J. Biogeography* 26, 795-812. *J. Biogeography*, 30:805-816.

Samways, M.J. (2003). Critical response from Professor Michael J. Samways. *J. Biogeography*, 30:817

Sutherst, R.W. (2001). The vulnerability of animal and human health to parasites under global change. *International Journal for Parasitology* 31:933-948.

Kriticos, D.J. and P.R. Randall. (2001). A comparison of systems to analyse potential weed distributions, p. 61-79. In R.H. Groves, F.D. Panetta and J.G. Virtue (eds.), *Weed Risk Assessment*. CSIRO, Melbourne.

Sutherst, R.W., Maywald, G.F. and Russell, Beth, L. (2000) Estimating vulnerability under global change: modular modelling of pests. *Agriculture Ecosystems & Environment* **82**:303-319.

Sutherst R.W., Maywald G.F., Yonow T., Stevens P.M., (1999) CLIMEX: predicting the effects of climate on plants and animals. *CLIMEX: predicting the effects of climate on plants and animals*. Collingwood, Australia CSIRO Publishing iv + 88 pp.

Young, A.M., Blackshaw, B., Maywald, G.F. and Sutherst, R.W. (1999). *CLIMEX for Windows 1.1. Tutorials*. 49pp. CSIRO Melbourne.

Sutherst, R.W. (1998). Implications of global change and climate variability for vector-borne diseases: generic approaches to impact assessments. *International Journal for Parasitology*. **28**: 935-945.

Sutherst, R.W. & Maywald, G.F. (1998). CLIMEX - A bio-geographical approach to entomology. In Zalucki, M.P., Drew, R.A.I. & White, G.G. (Eds) *Pest Management – Future Challenges*. Proc. 6th Australasian Applied Entomological Research Conference. **2**: 344-345. University of Queensland, Brisbane.

Sutherst, Robert W, Floyd, Robert B. and Maywald, Gunter F., (1995). The potential geographical distribution of the cane toad, *Bufo marinus*L. in Australia. *Conservation Biology*,**10**:294-299.

Sutherst, R.W., Maywald, G.F. and Skarratt, D.B. (1995). Predicting insect distributions in a changed climate. pp 59-91. In Harrington, R. and Stork, N.E. (Eds). *Insects in a Changing Environment*. Academic Press, London. 535 pp.

Maywald G.F. and Sutherst R.W. (1991). User's guide to CLIMEX a computer program for comparing climates in ecology. 2nd edition. *CSIRO Australia, Division of Entomology Report No. 48*, 51pp.

Sutherst R.W., Maywald, G.F. and Bottomley, W. (1991). From CLIMEX to PESKY, a generic expert system for pest risk assessment. *EPPO Bulletin* **21**:595-608.

Worner, S.P. (1991). Use of models in applied entomology: the need for perspective. *Environmental Entomology*, **20**:768-773.

Maywald G.F. and Sutherst R.W. (1989). CLIMEX: recent developments in a computer program for comparing climates in ecology. *Proceedings from the Simulation Society of Australia/IMACS Eighth Biennial Conference*. Canberra, pp. 134-140.

Maywald G.F. and Sutherst R.W. (1985). User's guide to CLIMEX a computer program for comparing climates in ecology. *CSIRO Australia, Division of Entomology Report No. 36*, 29pp.

Sutherst R.W. and Maywald G.F. (1985). A computerised system for matching climates in ecology. *Agriculture Ecosystems and Environment* **13**:281-99.

Forest Pests and Diseases

(See also: Concepts and Global change)

Macleod, A., Evans, H.F., Baker, R.H.A. 2002. An analysis of pest risk from an Asian longhorn beetle (*Anoplophora glabripennis*) to hardwood trees in the European community. *Crop Protection* 21: 635-645.

Steinbauer, M.J., Yonow, T., Reid, I.A. & Cant, R. 2002. Ecological biogeography of species of *Gelonus*, *Acantholybas* and *Amorbus* in Australia *Austral Ecology* 27:1-25.

Brasier, C.M., Dreyer, E. (ed.) and Aussenac, G. (1996). *Phytophthora cinnamomi* and oak decline in southern Europe. Environmental constraints including climate change. *Ecology and physiology of oaks in a changing environment. Annales des Sciences Forestieres*. 53:347-358.

Allen, J.C., Foltz, J.L., Dixon, W.N., Liebhold, A.M., Colbert, J.J., Regniere, J., Gray, D.R., Wilder, J.W. and Christie, I. (1993). Will the gypsy moth become a pest in Florida? *Florida Entomologist* 76:102-113.

Crop Pests

(See also: Concepts and Global change)

Olfert, O. R.M. Weiss. 2006. Impact of climate change on potential distributions and relative abundances of *Oulema melanopus*, *Meligethes viridescens* and *Ceutorhynchus obstrictus* in Canada. *Agriculture, Ecosystems and Environment* 113:295-301.

O. Olfert, R. Hallett, R.M. Weiss, J. Soroka, S. Goodfellow. 2006. Potential distribution and relative abundance of swede midge, *Contarinia nasturtii*, an invasive pest in Canada. *Entomologia Experimentalis et Applicata*. 120: 221-228

Olfert, O. and R.M. Weiss. 2006. Bio-climatic model of *Melanoplus sanguinipes* (Fabricius) (Orthoptera: Acrididae) populations in Canada and the potential impacts of climate change. *Journal of Orthoptera Research* 15: 65-77.

Sutherst, R.W. & G. Maywald. 2005. A climate-model of the red imported fire ant, *Solenopsis invicta* Buren (Hymenoptera: Formicidae): implications for invasion of new regions, particularly Oceania. *Environmental Entomology* in press.

Zalucki, M.P. & M.J. Furlong. 2005. Forecasting *Helicoverpa* populations in Australia: a comparison of regression based models and a bio-climatic based modelling approach. *Insect Science* 12(1): 45-56.

Olfert O, Weiss RM, Woods S, Philip H, Dosdall L. 2004. Potential distribution and relative abundance of an invasive cereal crop pest, *Oulema melanopus* L. (Coleoptera: Chrysomelidae), in Canada. *The Canadian Entomologist* **136**:277-287.

Yonow, T., Kriticos, D.J., Medd, R.W. (2004) The Potential Geographic Range of *Pyrenophora semeniperda*. *Phytopathology* **94**:8-

Pethybridge, S.J. Nelson, and M.E. Wilson, (2003). Forecasting climate suitability of Australian hop-growing regions for establishment of hop powdery and downy mildews. *Australasian Plant Pathology***32**: 493-497.

Dominiak, B.C., Westcott, A.E. & Barchia, I.M. (2003). Release of sterile Queensland fruit fly, *Bactrocera tryoni*(Froggatt) (Diptera: Tephritidae), at Sydney, Australia. *Australian Journal of Experimental Agriculture***43**:519-528.

Mason, P.G., Olfert O., Sluchinski L., Weiss R.M., Boudreault C., Grossrieder M. & Kuhlmann U. (2003) Actual and potential distribution of an invasive canola pest, *Meligethes viridescens*(Coleoptera: Nitidulidae), in Canada. *The Canadian Entomologist* **135**: 405 - 413.

Rafoss, T. and Saethre, M.G. (2003). Spatial and temporal distribution of bioclimatic potential for the codling moth and the Colorado potato beetle in Norway: model predictions versus climate and field data from the 1990s. *Agricultural and Forest Entomology* **5**: 75-85.

Baker, R.H.A. (2002) Predicting the limits to the potential distribution of alien crop pests. In Hallman, G.J. & Schwalbe, C.P. *Invasive Arthropods in Agriculture. Problems and Solutions*. Pp207-241. Science Publishers, Inc. Plymouth UK.

Worner, S.P. (2002) Predicting the invasive potential of exotic insects. In Hallman, G.J. & Schwalbe, C.P. *Invasive Arthropods in Agriculture. Problems and Solutions*. Pp. 119-137. Science Publishers, Inc. Plymouth UK.

Dentener, P.R., Whiting, D.C. & Connolly, P.G. (2002). *Thrips palmi* Karny (Thysanoptera: Thripidae): could it survive in New Zealand? *New Zealand Plant Protection* **55**:18-24.

Vera, M.T., Rodriguez, R., Segura, D.F., Cladera, J.L. & Sutherst, R.W. (2002). Potential geographical distribution of the Mediterranean fruit fly, *Ceratitidis capitata*(Diptera: Tephritidae), with emphasis on Argentina and Australia. *Environ. Entomol.* **31**:1009-1022.

Lanoiselet, V., Cothier, E.J., and Ash, G.J. (2002). CLIMEX and DYMEX simulations of the potential occurrence of rice blast disease in south-eastern Australia. *Australasian Plant Pathology*. **31**:1-7.

Ekins, M.G., Aitken, E.A.B. & Goulter, K.C. (2002). Carpogenic germination of *Sclerotinia minor* and potential distribution in Australia. *Australasian Plant Pathology*. **31**:259-265.

Robinson, M.T. & Hoffmann, A.A. (2001). The pest status and distribution of three cryptic blue oat mite species (*Penthaleus* spp.) and redlegged earth mite (*Halotydeus destructor*) in southeastern Australia. *Experimental and Applied Acarology* **25**:699-716.

Dosdall L.M., Weiss R.M., Olfert O. & Carcamo H.A. (2002). Temporal and geographical distribution patterns of cabbage seedpod weevil (*Coleoptera* : *Curculionidae*) in canola. *Canadian Entomologist* **134**:403-418.

Boag, B. Yeates, G.W. (2001). The potential impact of the New Zealand flatworm, a predator of earthworms, in western Europe. *Ecological Applications* **11**: 1276-1286.

Dominiak B.C., McLeod L.J. & Cagnacci M. (2000) Review of suppression program using three ground release methods of sterile Queensland fruit fly *Bactrocera tryoni* (Froggatt) at Wagga Wagga, NSW, in 1996/97. *General and Applied Entomology*. **29**:49-57.

Venette, R. C., Hutchison, W. D. (1999). Assessing the risk of establishment by pink bollworm (*Lepidoptera*: *Gelechiidae*) in the southeastern United States. *Environmental Entomology* **28**:445-455.

Yonow, Tania and Sutherst, Robert W. (1998). The geographical distribution of the Queensland fruit fly, *Bactrocera (Dacus) tryoni*, in relation to climate. *Aust J Agric Res.* **49**:935-953

Allsopp, P.G. (1996). Japanese beetle, *Popillia japonica* Newman (*Coleoptera*: *Scarabaeidae*): rate of movement and potential distribution of an immigrant species. *Coleopterists Bulletin*. **50**:81-95.

Baker R.H.A. (1996). Developing a European pest risk mapping system. *Bulletin EPPO*. **26**:485-494.

Boag, B., Evans, K. A., Neilson, R., Yeates, G. W., Johns, P. M., Mather, J. G., Christensen, O. M., Jones, H. D. (1995). The potential spread of terrestrial planarians *Artioposthia triangulata* and *Australoplana sanguinea* var. *alba* to continental Europe. *Annals of Applied Biology*. **127**:385-390.

Baker, R.H.A. and Dickens, J.W. (1993) Practical problems in risk assessment. In Ebbels, D (Ed) *Plant health and the European single market*. *British Crop Protection Council Symposium* **54**:209-220.

Sutherst, R.W. (1993). Role of modelling in sustainable pest management. In 'Pest Control and Sustainable Agriculture'. Corey, S.A., Dall, D.J. and Milne, W.M. (Eds). pp 64-69. 1993. CSIRO, Melbourne.

Sutherst, R.W. (1993). The role of models in integrated pest management for resource-poor farmers. In Saini, R.K. and Haskell, P.T. (Eds). *Community based and environmentally safe pest management*. 199pp. ICIPE Science Press, Nairobi.

Cahill, M. (1992). *Eco-climatic assessment of Atherigona orientalis (Diptera): and its pest potential in New Zealand*. Bureau of Rural Resources Information Paper No. IP/1/92. Bureau of Rural Resources, Canberra.

Sutherst, R.W. (1991). Predicting the survival of immigrant insect pests in new environments. *Crop Protection*. **10**:331-333.

Sutherst R.W. and Maywald G.F. (1991) Climate-matching for quarantine, using CLIMEX. *Plant Protection Quarterly* **6**: 3-7.

Hughes, R.D. and Maywald, G.F. (1990) Forecasting the favourableness of the Australian environment for the Russian wheat aphid, *Diuraphis noxia* (Homoptera: Aphididae), and its potential impact on Australian wheat yields. *Bulletin of Entomological Research* **80**: 165-175.

Sutherst, R.W. and Maywald, G.F. (1989). An analysis of CLIMEX predictions of establishment of *Dacus* spp in New Zealand. *CSIRO Division of Entomology Consultative Report Series* No. 12.

Worner, S.P. (1988). Ecoclimatic assessment of potential establishment of exotic pests. *Journal of Economic Entomology* **81**: 973-83.

Worner, S.P. (1987). Predictive models of insect development for quarantine services. Research Report. Lincoln College, New Zealand. 87pp.

Weeds

Goolsby, J.A.(2004). Potential distribution of the invasive Old World climbing fern, *Lygodium microphyllum* in North and South America. *Natural Areas Journal* **24**:351-353.

Kriticos, D.J., R.W. Sutherst, J.R. Brown, S.W. Adkins and G.F. Maywald (2003). Climate change and biotic invasions: a case history of a tropical woody vine. *Biological Invasions* **5**:145-165.

Kriticos, D.J., Sutherst, R.W., Brown, J.R., Adkins S.W. & Maywald G.F. (2003) Climate change and the potential distribution of an invasive alien plant: *Acacia nilotica*ssp. *indica* in Australia. *J. Applied Ecology* **40**:111-124.

Anon. (2002). *Predicting Invasions of Nonindigenous Plants and Plant Pests*. Committee on the Scientific Basis for Predicting the Invasive Potential of Nonindigenous Plants and Plant Pests in the United States. National Academy Press, Washington DC. [.pdf] <http://www.nap.edu/books/0309082641/html/>

Adair, R.J. Naser, S., Kolesik, P. (2000). Australian Seed-Preventing Gall Midges Diptera: Cecidomyiidae) as Potential Biological Control for Invasive Acacia spp. in South Africa. Proceedings of the X International Symposium on Biological Control of Weeds 4-14 July 1999, Montana State University, Bozeman, Montana, USA Neal R. Spencer [ed.]. pp. 605-613.

Holt, J. S. and Boose, A. B. (2000) USA Potential for spread of *Abutilon theophrasti* in California. *Weed Science***48**: 43-52

Scherm, H. and Yang, X.B. (1999). Risk assessment for sudden death syndrome of soybean in the north-central United States. *Agricultural Systems* **59**: 301-310.

Baker, G.H. (1998). The golden apple snail, *Pomacea canaliculata* (Lamarck) (Mollusca: Ampullariidae), a potential invader of fresh water habitats in Australia. Pp21-26 In Zalucki, M.P., Drew, R.A.I. & White, G.G. (Eds) *Pest Management – Future Challenges*. Proc. 6th Australasian Applied Entomological Research Conference. **2**: 57-62. University of Queensland, Brisbane.

Julien, M. & White, G. (eds) (1997) Biological control of weeds: theory and practical application. ACIAR Monograph Series No. 49. Canberra, Australia; ACIAR, 192 pp. Pbk. ISBN 1 86320 216 1.

Holt J.S. and Boose A.B. (1997). Modeling potential spread of *Abutilon theophrasti* (velvetleaf). 1997 Brighton crop protection conference: weeds. *Proceedings of an international conference*, Brighton, UK, British Crop Protection Council. p235-242

Scott JK, Scott JK, Wykes BJ (1997). The distribution of arum lily and its invasive potential. *Proceedings of a workshop on arum lily (Zantedeschia aethiopica)*. Glen Osmond, Australia,. p10-16. Cooperative Research Centre for Weed Management Systems.

Mcfadyen, R. C. and Skarratt, B. (1996) Potential Distribution of *Chromolaena Odorata* (Siam Weed) in Australia Africa and Oceania. *Agriculture Ecosystems and Environment*. **59**:89-96.

Center, T. D. Frank, J. H. and Dray, F. A. (1995). Biological Invasions- Stemming the Tide in Florida. *Florida Entomologist*. **78**:45- 55.

Julien, M.H., Skarratt, D.B. and Maywald, G.F. (1995). Potential geographical distribution of alligator weed (*Alternanthera philoxeroides*) and its biological control by the flea beetle, *Agasicles hygrophila*. *Journal Aquatic Plant Management* **33**:55-60.

Csurhes, S.M. & Kriticos, D. (1994). *Gleditsia triacanthos* L. (Caesalpiniaceae), another thorny, exotic fodder tree gone wild. *Plant Protection Quarterly* **9**(3): 101-105.

Carter, R.J. (1993). Rampion mignonette and its co-ordinated control. pp505-509. *Proceedings of the 10th Australian Weeds Conference & 14th Asian Pacific Weed Science Society Conference*. Weed Science Society of Queensland.

Harley, K.L.S. (1993). Floating aquatic weeds: What are they? Where are they? How should we manage them? In Greathead, A and de Groot, P. (Eds). *Control of Africa's Floating Water Weeds*. Pp 13-20. Proc. Workshop Management of Aquatic Weeds in Africa. Harare Zimbabwe June 1991. Commonwealth Science Council/ CABI-IIBC.

Harley, K.L.S., Bottomley, W. and Sutherst, R.W., (1991). The potential role of an expert system in the management of aquatic weeds in Africa. pp 147-148. In Greathead, A and de Groot, P. (Eds). *Control of*

Africa's Floating Water Weeds. Proc. Workshop Management of Aquatic Weeds in Africa. Harare Zimbabwe June 1991. Commonwealth Science Council/ CABI-IIBC.

Panetta, F.D. and Mitchell, N.D. (1991). Bioclimatic prediction of the potential distributions of some weed species prohibited entry to New Zealand. *New Zealand Journal of Agricultural Research* **34**: 341-350

Scott, J.K. (1991) *Acacia karroo* Hayne (Mimosaceae), a potentially serious weed in Australia. *Plant Protection Quarterly* **6**: 16-18.

Livestock Pests

White, N., Sutherst, R.W., Hall, N. and Whish-Wilson, P. (2003). The vulnerability of the Australian beef industry to impacts of the cattle tick (*Boophilus microplus*) under climate change. *Climatic Change*, **61**(1-2):157-190.

Jubb T. F. & Campbell N. J. (2002) Cattle tick (*Boophilus microplus*) in Victoria on horses from Queensland. *Australian Veterinary Journal*. **80**:92-93.

Bruce, D. and Wilson, A. (1997). The extensive spread of heartwater in Zimbabwe since 1975. In Coons, L. and Rothschild, M. (Eds). *Proc. 2nd Int. Conf. on tick borne pathogens at the host-vector interface: a global perspective*. Pp105-112.

Perry, B.D., Kruska, R.L., Mahan, S. and Pfeiffer, D. (1997). Predicting the changing epidemiology of heartwater in Zimbabwe. In Coons, L. and Rothschild, M. (Eds). *Proc. 2nd Int. Conf. on tick borne pathogens at the host-vector interface: a global perspective*. p136.

Stuart, M. A., Mayer, D. G., Atzeni, M. G., McKeon, G. M. and Spradbery, J. P. (1995). Determination of a relationship between soil moisture and screwworm fly (Diptera: Calliphoridae) activity. *Journal Australian Entomological Society*. **34**:1-5.

Sutherst, R.W. (1995). Tick populations in Africa and their occurrence based on the concepts of modelling. *Unpublished Tick-Host-Pathogen Interface Workshop*. Pretoria 1995.

Sutherst, R.W., Floyd R.B. and Yeomans, A.F. (1995). Modelling for management of African ticks. In Coons, L. and Rothschild, M. (Eds). *Proc. 2nd Int. Conf. on tick borne pathogens at the host-vector interface: a global perspective*. pp36-44.

Honer, M.R. (1994). Aplicacao da informatica em parasitologia veterinaria. *A Hora Veterinaria*. **13**:50-54.

Norval, R.A.I. and Deem, S.L. (1994). The development and application of models in the planning and implementation of reduced and strategic-minimal tick control strategies in Zimbabwe. In Perry, B.D. and Hansen, J.W. (Eds). *Modelling of vector-borne and other parasitic diseases*. ILRAD, pp283-295.

- Atzeni M.G., Mayer D.G., Spradbery J.P., Anaman K.A. and Butler D.G. (1994). Comparison of the predicted impact of a screwworm fly outbreak in Australia using a growth index model and a life-cycle model. *Med. Vet. Ent.* **8**: 281-291
- Fox, M. T. (1993). Ectoparasites and vectors of veterinary importance. *Parasitology Today*. **9**:437-438.
- Honer, M. R., Paloschi, C. G., Souza, A. P. de., Ramos, C. I., Beck, A. A. H. and De, Souza, A. P. (1993). Epidemiologia e controle do carrapato dos bovinos *Boophilus microplus* no Estado do Santa Catarina. *Boletim Tecnico Empresa Pesquisa Agropecuaria e Difusao de Tecnologia de Santa Catarina, S.A.* No. **62**, 26pp.
- Mayer, D. and Atzeni, M. (1993). Invasion of the dreaded screw worm fly: prediction of economic consequences and control strategies. *Agricultural Systems and Information Technology Newsletter*. **5**:22-24.
- Randolph, S. E (1993). Climate, satellite imagery and the seasonal abundance of the tick *Rhipicephalus app endiculatus* in southern Africa: a new perspective. *Medical and Veterinary Entomology*. **7**:243-258.
- Sutherst, R (1993). Development and use of models of the life cycle and control of cattle tick. *Agricultural Systems and Information Technology Newsletter*. **5**:19- 20.
- Honer, M.R., and Gomes,A. (1992). O manejo integrado de Mosca dos chifres, berne e carrapato em gado de corte. 1. reimp. . *Circulara Tecnica*, **22**, 60pp. EMBRAPA-CNPGC
- Spradbery, J.P. and Maywald, G.F. (1992). The distribution of the European or German wasp, *Vespula germanica* (F.) (Hymenoptera: Vespidae), in Australia: past, present and future. *Australian Journal of Zoology*. **40**:495-510.
- Butler, D.G., Atzeni, M.G., Mayer, D.G. (1991). GIS as a data manager for national epidemiological models. *Proceedings from the Simulation Society of Australia/IMACS Ninth Biennial Conference on Modelling and Simulation*, pp 410-415.
- Honer, M.R., Bianchin, I. and Gomes, A. (1991). Mosca-dos-chifres: historico, biologia e controle. I. reimp.: Documentos **45**, 34pp . EMBRAPA-CNPGC Campo Grande, Brazil.
- Honer, M.R., Paloschi, D.G. and Beck, A.A.H. (1991). Mocsa-dos-chifres no Estado de Santa Catarina. *EMPASC. Doc.* **122**, 28pp . EMPASC, Florianopolis.
- Lawrence, J.A. (1991). Retrospective observations on the geographical relationship between *Rhipicephalus app endiculatus* and East Coast fever in southern Africa. *Veterinary Record*. **128**:180-183.

Mayer, D., Atzeni, M., Butler, D., King, R., Glanville, R., Walthall, J., Douglas, I. (1991). Screwworm fly bio-economic decision aid modelling project. Feasibility Report. Queensland Department of Primary Industries, Brisbane. 73pp.

Mayer, D.G., Atzeni, M.G., Butler, D.G. (1991). Adaptation of CLIMEX for spatial screwworm fly population dynamics. *Proceedings Simulation Society of Australia/IMACS Ninth Biennial Conference on Modelling and Simulation*. pp 232-237.

Norval R.A.I., Lawrence, J.A., Young, A.S., Perry, B.D., Nolan, T.T. and Scott, J. (1991). *Theileria parva*: influence of vector, parasite and host relationships on the epidemiology of theileriosis in southern Africa. *Parasitology*. **102**:347-356.

Norval, R.A.I., Perry, B.D., Gebreab, F. and Lessard, P. (1991). East Coast fever: a problem of the future for the horn of Africa? *Preventative Veterinary Medicine*. **10**:163-172.

Perry, B. D., Kruska, R., Lessard, P., Norval, R. A. I., Kundert, K. and Hugh, Jones, M (1991). Estimating the distribution and abundance of *Rhipicephalus app endiculatus* in Africa. Applications of remote sensing to epidemiology and parasitology. *Preventive Veterinary Medicine*. **11**:261-268.

Spradbery, JP (1991). A manual for the diagnosis of screw, worm fly. 62 pp . Commonwealth Department of Primary Industries and Energy (AGPS Press) Canberra, Australia.

Standfast, H.A. and Maywald, G.F. (1991). Modelling for global changes affecting arboviruses. In Walton, T.E. and Osbourne, B.I. (eds). *Bluetongue, African horse sickness and related orbiviruses*. Proceedings of the Second International Symposium. CRC Press Florida, pp. 16-20.

Halliday, R.B. and Sutherst, R.W. (1990). An Australian record of the American dog tick *Dermacentor variabilis*, and the risk of its establishment outside North America. *Experimental and Applied Acarology*. **8**:65-70.

Honer, M.R. (1990). *Amblyomma variegatum*- um novo carrapato para a America do Sul. EMBRAPA-CNPGC Comunicado Tecnico No. 36, 4pp.

Lessard, P., L'Eplattenier, R., Norval, R.A.I., Perry, B.D., Kundert, K., Dolan, T.T., Croze, H., Walker, J.B. and Irvin, A.D. (1990). Geographical information systems for studying the epidemiology of cattle diseases caused by *Theileria parva*. *Veterinary Record*. **126**: 255-262.

Norval R.A.I. and Perry, B.D. (1990). Introduction, spread and subsequent disappearance of the brown ear-tick, *Rhipicephalus app endiculatus*, from the southern lowveld of Zimbabwe. *Experimental and Applied Acarology*. **9**:103-111.

Palca, J. (1990). Libya gets unwelcome visitor from the west. *Science*. **249**:117-118.

Perry, B.D., Lessard, P., Norval, R.A.I., Kundert, K. and Kruska, R. (1990). The effect of climate and vegetation on the distribution of the tick *Rhipicephalus app endiculatus* in Africa. *Parasitology Today*. **6**:100-104.

Sutherst, R.W. and Maywald, G.F. (1990). *Cochliomyia hominivorax* in Africa and Europe. *CSIRO Division of Entomology Consultative Report Series*.

Rajapaksa, N. and Spradbery, JP (1989). Occurrence of the Old World screw, worm fly *Chrysomya bezziana* on livestock vessels and commercial aircraft. *Australian Veterinary Journal*. **66**:94-96.

Spradbery JP (1989). Occurrence of the Old World screw-worm fly *Chrysomya bezziana* on livestock vessels and commercial aircraft. *Australian Veterinary Journal*. **66**:94-96.

Sutherst, R.W. (1989). Tick ecology: the importance of population dynamics in developing national tick control and eradication programmes. In: Anon. *The eradication of ticks*. Proc. FAO Expert Consultation on the Eradication of ticks with special reference to Latin America. Mexico City, 1987. 196-210.

Sutherst, R.W. and Bottomley, W. (1989). EXPERTIK: experiences in the evaluation of expert systems for pest management. *Proceedings Simulation Society of Australia/IMACS Eighth Biennial Conference*. pp 117-122. Canberra, September 1989.

Sutherst, R.W., Spradbery, J.P. and Maywald, G.F. (1989). The potential geographical distribution of the Old World screw-worm fly, *Chrysomya bezziana*. *Medical and Veterinary Entomology*. **3**:273-280.

Maywald, G.F., and Sutherst, R.W. (1987). Ecological models. I. Assessing climatic favourability with CLIMEX. In Sutherst, R.W. (Ed.) *Ticks and Tick-borne Diseases*. *ACIAR Proceedings*. **17**:68-71.

Ralph, W (1987) A simple model predicts an insect's distribution. *Rural Research*. **136**:14-16.

Sutherst, R.W. (1987). The role of models in tick control. In Hughes, K.B. (ed). *Proceedings of the International Conference of Veterinary Preventive Medicine and Animal Production*, Australian Veterinary Association, Melbourne, pp. 32-37.

Sutherst, R.W. and Maywald, G.F. (1987). Modelling tick management. 2. The role of CLIMEX. In Sutherst, R.W. (Ed.) *Ticks and Tick-borne Diseases*. *ACIAR Proceedings***17**: 137-140.

Walker, J.B. and Olwage, A. (1987). The tick vectors of *Cowdria ruminantium* (Ixodoidea, Ixodidae, genus *Amblyomma*) and their distribution. *Onderstepoort J. vet. Res.*, **54**:353-379.

Dallwitz, M.J., Young, A.S., Mahoney, D.F. and Sutherst, R.W. (1986). Comparative epidemiology of tick-borne diseases with emphasis on modelling. *International Journal for Parasitology*, **17**: 629-637.

Besier, R.B. (1985). Discovery of the tick *Haemaphysalis longicornis* in Western Australia. *Australian Veterinary Journal* **62**: 205-206.

Besier, R.B. (1984). The bush tick. *Journal of Agriculture - Western Australia*. **25**:72-74.

Biological Control

Lockett, C.J. & Palmer, W.A. (2003). Rearing and release of *Homichloda barkeri*(Jacoby) (Coleoptera: Chrysomelidae: Alticinae) for the biological control of prickly acacia, *Acacia nilotica*ssp *indica* (Mimosaceae) in Australia. *Australian Journal of Entomology***42**:287-293.

Bell, N.L. & Willoughby, B.E. (2003). A review of the role of predatory mites in the biological control of lucerne flea, *Sminthurus viridis* (L.) (Collembola : Sminthuridae) and their potential use in New Zealand. *New Zealand Journal of Agricultural Research*. **46**:141-146.

Van Klinken, R.D., Fichera, G. & Cordo, H. (2002). Targeting biological control across diverse landscapes: the release, establishment, and early success of two insects on mesquite (*Prosopisspp*) insects in Australian rangelands.*Biological Control* **26**:8-20.

Day, M. D. & McAndrew, T. D. (2002). Status of *Charidotis pygmaea* (Coleoptera : Chrysomelidae) as a biological control agent of *Lantana montevidensis* (Verbenaceae) in Australia, *Biological Control*, **23**:27-34.

Mo, J. H., Trevino, M. & Palmer, W. A. (2000). Establishment and distribution of the rubber vine moth, *Euclasta whalleyi*Popescu-Gorj and *Constantinescu*(Lepidoptera : Pyralidae), following its release in Australia. *Australian Journal of Entomology*. **39**: 344-350.

Palmer, W. A., Willson, B. W. and Pullen, K. R. (2000). Introduction, rearing, and host range of *Aerenicopsis championbates* (Coleoptera : Cerambycidae) for the biological control of *Lantana camara* L. in Australia. *Biological Control* **17**: 227-233.

Scott, J. K. & Yeoh, P. B. (1999). Bionomics and the predicted distribution of the aphid *Brachycaudus rumexicolens*(Hemiptera: Aphididae). *Bulletin of Entomological Research*. **89**:97-106.

McDermott, GJ & Hoy, MA. (1997) Persistence and containment of *Metaseiulus occidentalis*(Acari:Phytoseiidae) in Florida: Risk assessment for possible releases of transgenic strains. *Florida Entomologist***80**:42-53.

Stewart, C.A., Julien, M. H., Worner, S. P., (1995). The potential geographical distribution of alligator weed (*Alternanthera philoxeroides*) and a biological control agent, *Agasicles hygrophila*, in New Zealand. pp 270-275. In Popay, A. J. (Ed) *Proceedings of the Forty Eighth New Zealand Plant Protection Conference*, Hastings, New Zealand, August 1995. New Zealand Plant Protection Society, Rotorua, New Zealand.

Vanthielen, R., Ajuonu, O., Schade, V., Neuenschwander, P., Adite, A., Lomer, C.J. (1994). Importation, releases, and establishment of *Neochetinaspp* (Col, Curculionidae) for the biological control of water hyacinth, *Eichhorinia Crassipes* (Lil, Pontederiaceae) in Benin, West, Africa. *Entomophaga*. **39**:179-188.

Wapshere, A.J. (1993). Climate and the prospects for biological control of weeds: the contrasting examples of agents for *Solanum elaeagnifolium* and *Heliotropium amplexicaule*. In 'Pest Control and Sustainable Agriculture'. Corey, S.A., Dall, D.J. and Milne, W.M. (Eds). pp 200-202. 1993. CSIRO, Melbourne.

Scott, J.K. (1992). Biology and climatic requirements of *Perapion antiquum* (Coleoptera: Apionidae) in southern Africa: implications for the biological control of *Emex* spp . in Australia. *Bulletin of Entomological Research* **82**:399-406.

Adair, R.J. and Scott, J.K. (1991). Distribution, life history, host specificity and suitability of an undescribed Chrysolina species (Coleoptera: Chrysomelidae) for the biological control of *Chrysanthemoides monilifera* (Compositae). *Bulletin of Entomological Research*. **81**:235-242.

Cruttwell McFadyen, R.E. (1991) Climate modelling and the biological control of weeds: one view. *Plant Protection Quarterly*. **6**: 14-15.

Tyndale-Biscoe, M. (1990). Common dung beetles in pastures of south-eastern Australia. CSIRO Australia, 71pp.

Wright, A.D. and Stegeman, D.A. (1990). The weevil, *Neochetina bruchi*, could help control water hyacinth in Australia. *Proc. 9th Australian Weeds Conf.* pp 508-510.

Worner, S.P., Goldson, S.B. and Frampton, E.R. (1989). Comparative ecoclimatic assessments of *Anaphes diana*(Hymenoptera:Mymaridae) and its intended host, *Sitona discoideus* (Coleoptera: Curculionidae), in New Zealand. *Journal of Economic Entomology* **82**:1085-1090.

Global change

Sutherst, R.W. (2004). Global change and human vulnerability to vector-borne diseases. *Clinical Microbiology Reviews* **17**:136-173.

White, N., Sutherst, R.W., Hall, N. and Whish-Wilson, P. (2003). The vulnerability of the Australian beef industry to impacts of the cattle tick (*Boophilus microplus*) under climate change. *Climatic Change*, **61**(1-2):157-190.

Kriticos, D.J., Sutherst, R.W. Brown, J.R. Adkins, S.W. and Maywald, G.F. (2003). Climate change and biotic invasions: a case history of a tropical woody vine. *Biological Invasions* **5**:145-165.

Kriticos, D.J., Sutherst, R.W. Brown, J.R. Adkins S.W. and Maywald G.F. (2003). Climate change and the potential distribution of an invasive alien plant: *Acacia nilotica* ssp. *indica* in Australia. *Journal of Applied Ecology* **40**, 111-124.

Sutherst, R.W. (2001). The vulnerability of animal and human health to parasites under global change. *International Journal for Parasitology* **31**:933-948.

Sutherst, R.W. (2000). Climate change and invasive species - a conceptual framework. 211-240. In H.A. Mooney and R.J. Hobbs, (eds). *Invasive Species in a Changing World*. Island Press, Washington DC. 457pp.

Gutierrez, A.P. (2000). Crop ecosystem responses to climate change: pests and population dynamics. In Reddy K.R. and Hodges, H.F. (Eds) (2000). *Climate Change and Global Crop Productivity*. CABI Publishing. Wallingford. 488 pp.

Sutherst, R.W. (2000). Climate variability, seasonal forecasting and invertebrate pests -the need for a synoptic view. Pp381-397. In Hammer, G.L., Nicholls, N. & Mitchell, C. (Eds). *Applications of Seasonal Climate Forecasting in Agricultural and Natural Ecosystems. The Australian Experience*. Kluwer Academic Publishers, Dordrecht, 469pp.

Sutherst, R.W., Maywald, G.F. and Russell, Beth, L. (2000) Estimating vulnerability under global change: modular modelling of pests. *Agriculture Ecosystems & Environment* **82**:303-319

Sutherst, R W (2000). Climate change and invasive species - a conceptual framework. 211-240. In H.A. Mooney and R.J. Hobbs, (eds). *Invasive Species in a Changing World*. Island Press, Washington DC. 457pp.

Gutierrez, A.P. (2000). Crop ecosystem responses to climate change: pests and population dynamics. In Reddy K. R. and Hodges, H. F. (Eds) (2000). *Climate Change and Global Crop Productivity*. CABI Publishing. Wallingford. 488 pp.

Sutherst, R.W. (2000). Climate variability, seasonal forecasting and invertebrate pests –the need for a synoptic view. Pp381-397. In Hammer, G L., Nicholls, N.& Mitchell, C. (Eds). *Applications of Seasonal Climate Forecasting in Agricultural and Natural Ecosystems. The Australian Experience*. Kluwer Academic Publishers, Dordrecht, 469pp.

Sutherst, R.W., Maywald, G.F. and Russell, Beth, L. (2000). Estimating vulnerability under global change: modular modelling of pests. *Agriculture Ecosystems & Environment* **1652**: 1-17.

Samways, M. J., Osborn, R., Hastings, H., Hattingh, V. (1999). Global climate change and accuracy of prediction of species' geographical ranges: establishment success of introduced ladybirds (Coccinellidae, *Chilocorusspp.*) worldwide. *Journal of Biogeography* **26**:795-812.

Sutherst, Robert W., Collyer, Ben S. and Yonow, Tania (1999). The vulnerability of Australian horticulture to the Queensland fruit fly, *Bactrocera (Dacus) tryoni*, under climate change. *Australia Journal of Agricultural Research*. 51:467-480.

Baskin, Yvonne (1998). Winners and losers in a changing world. *BioScience* **48**:788-792.

Baker, R.H.A., MacLeod, A., Cannon, R.J.C., Jarvis, C.H. & Walters, K.F.A. 1998. Predicting the impacts of a non-indigenous pest on the UK potato crop under global climate change: reviewing the evidence for the Colorado beetle, *Leptinotarsa decemlineata*. Brighton Crop Protection Conference - Pests and Diseases. In Press.

Davis, A. J., Lawton, J. H. Shorrocks, B. & Jenkinson, L. S. (1998). Individualistic species responses invalidate simple physiological models of community dynamics under global environmental change. *Journal of Animal Ecology* **67**:600-612.

Davis, A. J, Jenkinson, L. S., Lawton, J. H, Shorrocks, B & Wood, S. (1998). Making mistakes when predicting shifts in species range in response to global warming. *Nature* **391**: 783-786.

Yeates, GW, Boag, B., Evans, KA & Neilson, R (1998). Impact of climatic changes on the distribution of *Paratrichodorus minor* (Nematoda : Trichodoridae) as estimated using 'CLIMEX'. *Nematologica* **44**:293-301.

Boag, B, Evans, KA, Yeates, GW, Brown, DJF, Neilson, R (1997). Global potential distribution of European longidorid virus-vector nematodes. *Nematologica* **43**: 99-106.

Sutherst, R. W., Mo, J., Harrison, S., Smith, A, Floyd, R. B. and Wylie, R. (1997). The impact of climate change on the cost of insect related dieback of rural woodlands. In MODSIM '97 Hobart, McDonald AD, McAleer M, (eds). **1**:155-158.

Baker, R. H. A., Cannon, R. J. C. and Walters, K. F. A. (1996) An assessment of the risks posed by selected non, indigenous pests to UK crops under climate change. *Implications of 'global environmental change' for crops in Europe. Aspects of Applied Biology*. **45**:323-330.

Brasier, C. M. (1996). *Phytophthora cinnamomi* and oak decline in southern Europe - environmental constraints including climate change. *Annales des Sciences Forestieres*. **53**:347-358.

Evans, K.A. and Hughes, J.M. (1996). Methods for predicting changes in pest distribution due to climate change: wheat bulb fly. *Implications of 'global environmental change' for crops in Europe. Aspects of Applied Biology*. **45**:285-292.

Evans, K.A. and Boag, B. (1996). The New Zealand flatworm: will climate change make it a potentially European problem. *Implications of "global environmental change" for crops in Europe. Aspects of Applied Biology*. **45**:335-338.

Fleming, R.A. (1996). Forest-insect defoliator interaction in Canada's forests in a warming climate. In Floyd, R.B., Sheppard, A.W. & De Barro, P.J. (Eds). *Frontiers of Population Ecology*. Pp93-101. CSIRO Publishing, Melbourne.

Hardwick, N.V., Armstrong, A.C., Ellis, S.A., Gladders, P., Yarham, D.J., Parker, W.E., Cannon, R.J.C., Baker, R.H.A., Polley, R.W. and Turner, J.A. (1996). The impact of climate change on crop pests and diseases. *Aspects of Applied Biology* **45**:261-268.

Hughes, J. M. and Evans, K. A. (1996). Global warming and pest risk assessment. In *Implications of 'Global environmental change' for crops in Europe*. *Aspects of Applied Biology*. **45**:339-342.

Sutherst, R.W. (1996). *Impacts of Climate Change on Pests, Diseases and Weeds in Australia*. Report of an International Workshop. Brisbane 9-12 October 1995. CSIRO Division of Entomology, Canberra. 52pp.

Sutherst, R.W., Ingram, J and Steffen, W. (1996). *Global Change Impacts on Pests, Diseases and Weeds. Implementation Plan*. Global Change in Terrestrial Ecosystems Report No. 11. GCTE Core Project Office, Canberra, Australia. 52pp.

Teng, P.S, Heong, K.L., Kropff, M.J., Nutter, F.W. and Sutherst, R. W. (1996) Linked pest-crop models under global change. pp 291-316. Walker, B. and Steffen, W. (Eds) *Global Change and Terrestrial Ecosystems*. Cambridge University Press.

Sutherst, R.W. (1995). The potential advance of pests in natural ecosystems under climate change: implications for planning and management. pp 83-98. In Pernetta, J.C., Leemans, R., Elder, D., and Humphrey, S. (Eds). *Impacts of Climate Change on Ecosystems and Species: Terrestrial Ecosystems*. IUCN, Gland, Switzerland. viii+ 99 pp.

Sutherst, R.W., Maywald, G.F. and Skarratt, D.B. (1995). Predicting insect distributions in a changed climate. pp 59-91. In Harrington, R. and Stork, N.E. (Eds). *Insects in a Changing Environment*. Academic Press, London. 535 pp.

Sutherst, R.W., Yonow, T., Chakraborty, S., O'Donnell, C. White, N. (1995). A generic approach to defining impacts of climate change on pests, weeds and diseases in Australasia. pp 281-307. In Bouma, W.J., Pearman, G.I. and Manning, M.R. (eds.), *Greenhouse: coping with climate change*, CSIRO, Melbourne.

Brasier, C. M. and Scott, J. K. (1994) European oak declines and global warming: a theoretical assessment with special reference to the activity of *Phytophthora cinnamomi*. *Bulletin OEPP* . **24**:221-232.

Sutherst, R.W. (1994). Climate change and arbovirus transmission. In Uren, M.F. and Kay, B.H. (Eds) *Arbovirus Research in Australia. Proc. Sixth Symposium*. p297-299.

Sutherst, R.W. (1993). Potential distributions of insect pests for the 2030 climate scenario. In Galbally, I. Ed. *Proc. Workshop on Agriculture and Greenhouse in South-Eastern Australia*.

Sutherst, R.W. (1993) Pests. In AIDAB Symposium on 'Climate impact assessment methods for Asia and the Pacific' Canberra, March 11-12.

Howden, S.M. (1991). Effects of ecosystems on climate and effects of climate change on ecosystems: towards an Asian perspective. *Proc. Association for Scientific Cooperation in Asia (ASCA) Workshop on greenhouse gases and climate change. An Asian perspective.* **6**:1-6.

Sutherst, R.W. (1991). Pest risk analysis and the greenhouse effect. *Review of Agricultural Entomology.* **79**:1177-1186.

Frampton, R. (1990). Impact of climate change on quarantine pests. In Prestidge, R.A. and Pottinger, R.P. (Eds). The impact of climate change on pests, diseases, weeds and beneficial organisms present in New Zealand agricultural and horticultural systems. *Report to New Zealand Minister for the Environment, Wellington.* 171-183.

Maywald, G.F. and Sutherst, R.W. (1990). Impact of climate change on Australia. (VIDEO DISPLAY). In 'Science for Survival' - a travelling exhibition about CSIRO's research for our environment. Developed by the Powerhouse Museum for CSIRO 1990/91. Estimated audience over 1 million.

Maywald, G.F. and Sutherst, R.W. (1990). Impact of climate change on Australia. (VIDEO DISPLAY). *CSIRO Brisbane Royal National Agricultural Show, August 1991.*

Rohitha, B.H. and Prestidge, R.A. (1990). In Prestidge, R.A. and Pottinger, R.P. (Eds). The impact of climate change on pests, diseases, weeds and beneficial organisms present in New Zealand agricultural and horticultural systems. *Report to New Zealand Minister for the Environment, Wellington.* 203-210.

Sutherst R.W. and Maywald G.F. (1990) Climate change and invertebrate pests in animal industries. *Bureau of Rural Resources Report R/3/90* 7-12.

Sutherst R.W. (1990). Biologists in the greenhouse. *Australian Biologist.* **3**:124-126.

Sutherst R.W. (1990) Impact of climate change on pests and diseases in Australasia. *Search* **21**:230-232.

Vertebrate Pests

(See also: Concepts and Global change)

Sutherst, R.W. (2001). The vulnerability of animal and human health to parasites under global change. *International Journal for Parasitology* **31**:933-948.

Sutherst, Bob, Murdiyarto, Daniel & Widayati, Atiek (1999). Modelling global change impacts on pests. Biotrop-GCTE IC-SEA Report No. 7. Bogor, Indonesia. 108pp.

Sutherst, Robert W, Floyd, Robert B. and Maywald, Gunter F., (1995). The potential geographical distribution of the cane toad, *Bufo marinus* L. in Australia. *Conservation Biology*, **10**: 294-299.

Cooke, B.D. (1992). Computer modelling for the biological control of wild rabbits. *The Australian Rural Science Annual*, 20-23.

Environmental Pests

(See also: Concepts and Global change)

Dadamo, P., Sackmann, P., Corley, J. C. & Rabinovich, M. (2002). The potential distribution of German wasps (*Vespula germanica*) in Argentina *New Zealand Journal of Zoology* **29**:79-85.

Sutherst, R.W. (1995). The potential advance of pests in natural ecosystems under climate change: implications for planning and management. pp 83-98. In Pernetta, J.C., Leemans, R., Elder, D., and Humphrey, S. (Eds). *Impacts of Climate Change on Ecosystems and Species: Terrestrial Ecosystems*. IUCN, Gland, Switzerland. viii+ 99 pp.

Tribe, G.D. and Richardson, D.M. (1994). The European Wasp, *Vespula germanica* (Fabricius) (Hymenoptera: Vespidae), in southern Africa and its potential distribution as predicted by ecoclimatic matching. *African Entomology* **2**:1-6.

Spradbery, J.P. (1988). The European wasp in Australia: present status and future prospects. *Proceedings of the Sydney Allergen Group*. **6**:79-86.

Conservation

Zalucki, M.P. & W.A. Rochester. (2004). Spatial and Temporal Population dynamics of Monarchs Down-Under: Lessons for North America. In: Oberhauser, K. and M. Solensky, eds. *The Monarch Butterfly: Biology and Conservation*. Cornell Univ. Press: Ithaca, NY.

Jenkins N. L. & Hoffmann, A. A. (2001). Distribution of *Drosophila serrata* Malloch (Diptera: Drosophilidae) in Australia with particular reference to the southern border. *Australian Journal of Entomology*. **40**:41-48.

Zalucki, M.P. & W.A. Rochester. 1999. Estimating the Effect of Climate on the Distribution & Abundance of the Monarch butterfly, *Danaus plexippus* (L.): a tale of two continents. In: J.Hoth, L. Merino, K. Oberhauser, I. Pisantry, S. Price & T. Wilkinson (eds). *The 1997 North American Conference on the Monarch Butterfly*. Commission for Environmental Co-operation, Montreal, Canada, pp 150-163.

Public Health and Climate Change

Sutherst, R.W. (2004). Global change and human vulnerability to vector-borne diseases. *Clinical Microbiology Reviews* **17**:136-173.

Sutherst, R.W. (2001). The vulnerability of animal and human health to parasites under global change. *International Journal for Parasitology* **31**:933-948.

Sutherst, R.W. (1998). Implications of global change and climate variability for vector-borne diseases: generic approaches to impact assessments. *International Journal for Parasitology*. **28**: 935-945.

Sutherst, R.W., Ingram, J., Yonow, T, Scherm, H. & Sutton, K. (1998). Global Change Impact Assessment Approaches for Vectors and Vector-Borne Diseases. IGBP-GCTE Working Document No. 27, Wallingford, UK.

Sutherst, R.W., Ingram, J. & Scherm, H. (1998). Global Change and Vector-Borne Diseases. *Parasitology Today*. **14**:297-299.

Bryan, Joan H., Foley, Desmond H. and Sutherst, Robert W. (1995). Malaria transmission and climate change in Australia. *Medical Journal of Australia*, **164**:345-347.

Martens, W. J. M., Niessen, L. W., Rotmans, J., Jetten, T. H. and McMichael, A. J. (1995). Potential impact of global climate change on malaria risk. *Environmental Health Perspectives*. **103**:458- 464.

Sutherst, R.W. (1993). Arthropods as disease vectors in a changing environment. *Environmental Change and Human Health*. Wiley Chichester (Ciba Foundation Symposium 175), 124-145.

Sutherst, R.W. (1992). The likely impact of climate change on medical vectors. *Proc. Australian Tropical Health and Nutrition Conf.* Brisbane. [Abstract].

Plant Breeding

Bennett S.J., Saidi N. & Enneking D. (1998) Modelling climatic similarities in Mediterranean areas: a potential tool for plant genetic resources and breeding programmes. *Agriculture, Ecosystem & Environment*. **70**:129-143.