

VII. REFERENCES

- Ackerly, D.D. and Bazzaz, F.A.** 1995. Plant growth and reproduction along CO₂ gradients: non-linear responses and implications for community change. *Global Change Biology*, 1: 199-207.
- Ackerly, D.D., Coleman, J.S., Morse, S.R. and Bazzaz, F.A.** 1992. CO₂ and temperature effects on leaf area production in two annual plant species. *Ecology*, 73: 1260-1269.
- Allen, L.H. Jr.** 1990. Plants responses to rising carbon dioxide and potential interactions with air pollutants. *Journal of Environmental Quality*, 19: 15-34.
- Allen, L.H. Jr., Baker, J.T., Albrecht, S.L., Boote, K.J., Pan, D. and Vu, J.C.V.** 1995. Carbon dioxide and temperature effects on rice. In *Climate Change and Rice* (eds, Peng, S., Ingram, K.T., Neue, H.-U and Ziska, L.H.), Springer, Berlin, pp. 258-277.
- Arnone, J.A. and Körner, Ch.** 1993. Influence of elevated CO₂ on canopy development and red-far-red ratios in two-storied stands of *Ricinus communis*. *Oecologia*, 94: 510-515.
- Baker, J.T., Allen, L.H. Jr., Boote, K.J., Jones, P. and Jones, J.W.** 1989. Response of Soybean to air temperature and carbon dioxide concentration. *Crop Science*, 29: 98-105.
- Bazzaz, F.A.** 1990. The response of natural ecosystems to the rising global CO₂ levels. *Annual Review of Ecology and Systematics*, 21: 167-196.
- Bazzaz, F.A.** 1996. Plants in Changing Environments. Cambridge University

Press, UK. pp. 82-107.

Bazzaz, F.A., Ackerly, D.D., Woodward, F.I. and Rochefort, L. 1992. CO₂ enrichment and dependence of reproduction on density in an annual plant and a simulation of its population dynamics. *Journal of Ecology*, 80: 643-651.

Bazzaz, F.A., Bassow, S.L., Berntson, G.M. and Thomas, S.C. 1996. Increased CO₂ and terrestrial vegetation. In *Implications for and beyond the global carbon budget: Global Change and Terrestrial Ecosystems* (eds, Walker, B. and Steffen, W.), Cambridge, Cambridge University Press, UK, pp. 43-76.

Bazzaz, F.A., Coleman, J.S. and Morse, S.R. 1990. Growth responses of seven major co-occurring tree species of the northeastern United States to increased CO₂. *Canadian Journal of Forest Research*, 20: 1479-84.

Bazzaz, F.A. and Garbutt, K. 1988. The response of annuals in competitive neighborhoods: effects of increased CO₂. *Ecology*, 69: 937-946.

Bazzaz, F.A. and McConnaughay. 1992. Plant-plant interactions in increased CO₂ environments. *Australian Journal of Botany*, 40: 547-563.

Bazzaz, F.A. and Miao, S.L. 1993. Successional status, seed size, and response of tree seedlings to CO₂, light and nutrients. *Ecology*, 74: 104-112.

Bazzaz, F.A., Miao, S.L. and Wayne, P.M. 1993. CO₂-induced growth enhancements of co-occurring tree species decline at different rates. *Oecologia*, 96: 478-482.

Beerling, D.J. and Woodward, F.I. 1994. Climate change and the British scene. *Journal of Ecology*, 82: 391-398.

- Berntson, G.M., McConnaughay, K.D.M. and Bazzaz, F.A.** 1993. Elevated CO₂ alters deployment of roots in "small" growth containers. *Oecologia*, 94: 558-564.
- Berry, J.A. and Björkman, O.** 1980. Photosynthetic response and adaptation to temperature in higher plants. *Annual Review of Plant Physiology*, 31: 491-543.
- Berry, J.A. and Raison, J.K.** 1981. Response of macrophytes to temperature. In *Encyclopedia of Plant Physiology, New Series, Vol. 12A* (eds, Lange, O.L., Nobel, P.S., Osmond, C.B. and Ziegler, H), Springer-Verlag, Berlin. pp.277-338.
- Black, C.C.** 1971. Ecological implications of dividing plants into groups with distinct photosynthetic production capacities. *Advance in Ecological Research*, 7: 87-114.
- Booth, J.C.** 1993. The new IEEE standard dictionary of electrical and electronics terms. The institute of electrical electronics engineers, Ins. USA. p. 256.
- Bowes, G.** 1993. Facing the inevitable: plants and increasing atmospheric CO₂. *Annual Review of Plant Physiology and Plant Molecular Biology*, 44: 309-332.
- Bowes, G.** 1996. Photosynthetic responses to changing atmospheric carbon dioxide concentration. In *Photosynthesis and the Environment* (ed Baker, N.R.), Advances in Photosynthesis, Vol. 5 Kluwer, Dordrecht, pp 387-407.
- Boysen Jensen.** 1932. "Die Stoffproduktion der Pflanzen" Fischer, Jena.
- Byrd, G.T. and Brown, R.H.** 1989. Environmental effects on photorespiration of

C3-C4 species. I. Influence of CO₂ and O₂ during growth on photorespiratory characteristics and leaf anatomy. *Plant Physiology*, 90: 1022-1028.

Campbell, W.J., Allen, L.H. and Bowes, G. 1990. Response of soybean canopy photosynthesis to CO₂ concentration, light and temperature. *Journal of Experimental Botany*, 41: 427-433.

Cerling, T.E., Wang, Y. and Quade, J. 1993. Expansion of C4 ecosystems as an indicator of global ecological change in the late Miocene. *Nature*, 361: 344-345.

Clark, B.B, Henninger, M.R. and Brennan, E. 1983. An assessment of potato losses caused by oxidant air pollution in New Jersey. *Phytopathology*, 73: 104-108.

Coie, D.R. and Monger, H.C. 1994. Influence of atmospheric CO₂ on the decline of C4 plants during the last deglaciation. *Nature*, 368: 533-536.

Coleman, J.S. and Bazzaz, F.A. 1992. Effects of CO₂ and temperature on growth and resource use of co-occurring C3 and C4 annuals. *Ecology*, 73: 1244-1259.

Crawford, R.M.M. and Wolfe, D.W. 1999. Temperature: Cellular to Whole – Plant and Population Responses. In *Carbon Dioxide and Environmental Stress* (eds, Luo, Y. and Mooney, H.A.), Academic Press, London, UK. pp. 61-106.

Curtis, P.S, Drake, B.G., Leadley, P.W., Arp, W.J. and Whigham, D.F. 1989. Growth and senescence in plant communities exposed to increased CO₂ concentrations on an estuarine marsh. *Oecologia*, 78: 20-26.

Decker, W.L., Jones, V.K. and Achutuni. 1986. The Impact of Climate Change

from Increased Atmospheric Carbon Dioxide on American Agriculture. DOE/NBB-0077, U.S. Department of Energy, Carbon Dioxide Research Division, Washington, DC. pp. 44.

de Jong, T.M., Drake, B.G and Pearcy, R.W. 1982. Gas exchange responses of Chesapeake Bay tidal marsh species under field and laboratory conditions. *Oecologia*, 52: 5-11.

Drake, B.G., Peresta, G., Beugeling, E. and Matamala, R. 1996. Long term increased CO₂ exposure in a Chesapeake Bay Wetland: In *Carbon Dioxide and Terrestrial Ecosystems* (eds, Koch, G.W. and Moony, H.A.), Academic Press, San Diego, CA. pp. 197-214.

Eamus, D. and Jarvis, P.G. 1989. The direct effects of increase in the global atmospheric CO₂ concentration on natural and commercial temperate trees and forests. *Advance in Ecological Research*, 19: 1-55.

Ehleringer, J.R. 1978. Implications of quantum yield differences on the distributions of C3 and C4 grasses. *Oecologia* (Berlin), 31: 255-264.

Ehleringer, J.R. and Björkman, O. 1977. Quantum yields for CO₂ uptake in C3 and C4 plants. *Plant Physiology*, 59: 86-90.

Ehleringer, J.R., Cerling, T.E., Coyne, P.I. and Helliker, B.R. 1997. C4 photosynthesis, atmospheric CO₂, and climate. *Oecologia*, 112: 285-299.

Ehleringer, J.R. and Monson, R.K. 1993. Evolutionary and ecological aspects of photosynthetic pathway variation. *Annual Review of Ecology and Systematics*, 24: 411-439.

Epstein, H.E., Lauenroth, W.K., Burke, I.C. and Coffin, D.P. 1997. Productivity patterns of C3 and C4 functional types in the U.S. Great Plains. *Ecology*, 78: 722-731.

- Evans, L.T.** 1975. The physiological basis of crop yield. In *Crop physiology*. Cambridge University Press, Cambridge. UK. pp. 327-356.
- Farrar, J.F. and Williams, M.L.** 1991. The effects of increased atmospheric carbon dioxide and temperature on carbon partitioning, source-sink relations and respiration. *Plant, Cell and Environment*, 14: 819-830.
- Ferris, R. and Taylor, G.** 1995. Inter- and intra-generic differences in growth, reproduction, and fitness of nine herbaceous annual species grown in increased CO₂ environments. *Oecologia*, 104: 454-466.
- Field, C.B., Chapin III, F.S., Chiariello, N.R., Holland, E.A. and Mooney, H.A.** 1996. The Jasper Ridge CO₂ experiment: Design and Motivation. In *Carbon Dioxide and Terrestrial Ecosystems* (eds, Koch, G.W. and Mooney, H.A.), Academic Press, San Diego, CA. pp.121-145.
- Furbank, R.T. and Hatch, M.D.** 1987. Mechanism of C₄ photosynthesis. The size and composition of the inorganic carbon pool in bundle-sheath cells. *Plant Physiology*, 85: 958-964.
- Garbutt, K., Williams, W.E. and Bazzaz, F.A.** 1990. Analysis of the differential response of five annuals to elevated CO₂ during growth. *Ecology*, 71: 1185-1194.
- Gifford, R.M.** 1992. Interaction of carbon dioxide with growth-limiting environmental factors in vegetation productivity: implications for the global carbon cycle. *Advances in Bioclimatology*, 1: 24-58.
- Gribbin, J. and Gribbin, M.** 1996. The greenhouse effect. *New Science*, 151 No. 2083, 'Inside Science' No. 52.
- Goudriaan, J., van Keulen, H. and van Laar, H.H. (eds).** 1990. The Greenhouse Effects and Primary Productivity in European

Agro-ecosystems. Pudoc, Wageningen. p. 90.

Goudriaan, J. and Unsworth, M.H. 1990. Implications of increasing carbon dioxide and climate change for agricultural productivity and water resources. Impact of carbon dioxide, trace gases and climate change on global agriculture. ASA special publication. p. 90

Hadley, P., Batts, G.R., Ellis, R.H., Morison, J.I.L., Pearson, S. and Wheeler, T.R. 1995. Temperature gradient chambers for research on global environment change. II a twin-wall tunnel system for low stature, field-grown crops using a split heat pump: technical report. *Plant, Cell and Environment*, 18: 1055-1063.

Harper, J.L. 1977. Population biology of plants. Academic Press, London, UK.

Hasegawa, S. 1979. Classification and geological distribution of C3 and C4 plants. *Journal of Agricultural Meteorology*, 34, 195-200 (in Japanese).

Hattersley, P.W. 1983. The distribution of C3 and C4 grasses in Australia in relation to climate. *Oecologia* (Berlin), 57:113-128.

Hayashi, I. 1977. Secondary succession of herbaceous communities in Japan. *Japanese Journal of Ecology*, 27: 191-200.

Hendrey, G.R., Ellsworth, D.S., Lewin, K.F. and Nagy, J. 1999. A free-air enrichment system for exposing tall forest vegetation to increased atmospheric CO₂. *Global Change Biology*, 5: 293-309.

Hendrey, G.R., Lewin, K.F. and Nagy, J. 1993. Free air CO₂ enrichment: development, progress, results. *Vegetatio*, 104/105: 17-31.

Hogan, K.P., Smith, A.P. and Ziska, L.H. 1991. Potential effects of increased CO₂ and changes in temperature on tropical plants. *Plant, Cell and Environment*, 14: 763-778.

- Horie, T., Nakagawa, H., Nakano, J., Hamotani, K. and Kim, H.Y.** 1995. Temperature gradient chambers for research on global environment change. III. A system designed for rice in Kyoto, Japan. *Plant, Cell and Environment*, 18: 1064-1069.
- Houghton, J.T., Jenkins, G.J. and Ephraums, J.J.** 1990. *Climate Change. The IPCC Scientific Assessment.* Cambridge University Press, Cambridge, UK. p.365.
- Hunt R.** 1982. *Plant Growth Curves. The Functional Approach to Growth Analysis.* Edward Arnold, London.
- Hunt, R., Hand, D.W., Hannah, M.A. and Neal, A.M.** 1991. Response to CO₂ enrichment in 27 herbaceous species. *Functional Ecology*, 5: 410-421.
- Idso, S.B. and Kimball, B.A.** 1989. Growth responses of carrot and radish to atmospheric CO₂ enrichment. *Environmental and Experimental Botany*, 29: 135-139.
- Idso, S.B., Kimball, B.A., Anderson, M.G. and Mauney, J.R.** 1987. Effects of atmospheric CO₂ enrichment of plant growth: the interactive role of air temperature. *Agricultural Ecosystems and the Environment*, 20: 1-10.
- Imai, K., Coleman, D.F. and Yanagisawa, T.** 1985. Increase of atmospheric partial pressure of carbon dioxide and growth and yield of rice (*Oryza sativa* L.). *Japanese Journal of Crop Science*, 54: 413-418.
- IPCC.** 1996. *Climate change 1995. Impacts, Adaptations and Mitigation of Climate Change.* Scientific-Technical Analyses. Cambridge University Press, Cambridge, UK. pp. 19-53.
- Ito, A. and Oikawa, T.** 2000. A model analysis of the relationship between climate perturbations and carbon budget anomalies in global terrestrial

ecosystems: 1970-1997. *Climate Research*, 15: 161-183

Johnson, H.B., Polley, H.W. and Mayeux, H.S. 1993. Increasing CO₂ and plant-plant interactions: effects on natural vegetation. *Vegetatio*, 104/105: 157-170.

Jones, P.H., Allen, Jr.L.H., Jones, J.W., Boote, K.J. and Campbell, W.J. 1984. Soybean canopy growth, photosynthesis and transpiration responses to whole season carbon dioxide enrichment. *Agronomy Journal*, 76: 633-637.

Jordan, D.B. and Ogren, W.L. 1984. The CO₂/O₂ specificity of ribulose 1,5-bisphosphate carboxylase/oxygenase. Dependence on ribulose-bisphosphate concentration, pH and temperature. *Planta*, 161: 308-313.

Kalapos, T. 1991. C3 and C4 grasses of Hungary: environmental requirements, phenology and role in the vegetation. *Abstracta Botanica*, 15: 83-88.

Karpilov, Y.S. 1970. Cooperative photosynthesis in xerophytes. *Proceedings in Mold Institute of Irrigation Vegetable Research*, 11: 3-66.

Kattenberg, A., Giorgi, F., Grassl, H., Meehl, G.A., Mitchell, J.F.B., Stouffer, R.J., Tokioka, T., Weaver, A.J. and Wigley, T.M.L. 1996. Climate models – projections of future climate. In *Climate Change 1995* (eds, Houghton, J.T., Meira Filho, L.G., Callender, B.A., Harris, N., Kattenberg, A. and Maskell, K.), IPCC, Cambridge University Press, Cambridge, UK. pp. 285-357.

Kimball, B.A. 1992. Cost comparisons among free-air CO₂ enrichment, open-top chamber, and sunlit controlled-environment chamber methods of CO₂ exposure. *Critical Reviews in Plant Sciences*, 11: 265-270.

- Kimball, B.A.** 1985. CO₂ stimulation of growth and yield under environmental restraints. In *CO₂ enrichment of agricultural crops* (eds, Enoch, H.Z. and Kimball, B.A.). CRC Press, Boca Raton. pp. 53-67.
- Körner, Ch.** 1995. Towards a better experimental basis for upscaling plant responses to increased CO₂ and climate warming. *Plant, Cell and Environment*, 18: 1101-1110.
- Leadley, P.W. and Drake, B.G.** 1993. Open top chambers for exposing plant canopies to increased CO₂ concentration and for measuring net gas exchange. *Vegetatio*, 104/105: 3-15.
- Leadley, P.W., Niklaus, P., Stocker, R. and Körner, C.** 1997. Screen-aided CO₂ control (SACC): A middle ground between FACE and open-top chambers. *Acta-Oecologia*, 18: 207-219.
- Long, S.P.** 1991. Modification of the response of photosynthetic productivity to rising temperature by atmospheric CO₂ concentration: has its importance been underestimated? Opinion. *Plant, Cell and Environment*, 14: 729-739.
- Long, S.P. and Woodward, F.I.** 1988. Plants and temperature. *Society of Experimental Biology Symposia* 42.
- Loomis, R.S. and Gerakis, P.A.** 1975. Productivity of agricultural ecosystems. In *Photosynthesis and Productivity in Different Environments* (ed. Cooper, J.P.). Cambridge University Press, Cambridge, UK. pp.145-172.
- Mayeux, H.S., Johnson, H.B. and Polley, H.W.** 1991. Global change and vegetation dynamics. In *Noxious Range Weeds* (eds, James, L.F., Evans, J.O., Ralphs, M.H. and Child, R.D.), Westview Press, pp. 62-74.
- Menzel, A. and Fabian, P.** 1999. Growing season extended in Europe. *Nature*,

397: 659.

Mihara, Y. 1971. Proposing temperature response curve technique for field crop experiment. *Agriculture and Horticulture*, 46: 721-726 (in Japanese).

Mitchell, R.A.C., Mitchell, V.J., Driscoll, S.P., Franklin, J. and Lawlor, D.W. 1993. Effects of increased CO₂ concentration and temperature on growth and yield of winter wheat at two levels of nitrogen application. *Plant, Cell and Environment*, 16: 521-529.

Miyawaki, A. 1981. Vegetation of Japan. Sibuntou, Tokyo (in Japanese).

Monsi, M. and Saeki, T. 1953. Über den Lichtfaktor in den Pflanzengesellschaften und sein Bedeutung für die Stoffproduktion. *Japan Journal of Botany*, 14: 22-52 (in German).

Morse, S.R. and Bazzaz, F.A. 1994. Increased CO₂ and temperature alter recruitment and size hierarchies in C3 and C4 annuals. *Ecology*, 75: 966-975.

Morison, J.I.L. and Lawlor, D.W. 1999. Interaction between increasing CO₂ concentration and temperature on plant growth. *Plant, Cell and Environment*, 22: 659-682.

Morris, E.C. and Myerscough, P.J. 1984. The interaction of density and resource levels in monospecific stands of plants: a review of hypothesis and evidence. *Australian Journal of Ecology*, 9: 51-62.

Moteith, J.L. 1981. Climate variation and the growth of crops. *Quarterly Journal of the Royal Meteorological Society*, 107: 749-774.

Mousseau, M. 1993. Effects of elevated CO₂ on growth, photosynthesis and respiration of sweet chestnut (*Castanea sativa* Mill). *Vegetatio*, 104/105: 413-419.

- Myneni, R.B., Keeling, C.D., Tucker, C.J., Asrar, G. and Nemani, R.R.** 1997. Increased plant growth in the northern high latitudes from 1981 to 1991. *Nature*, 386: 698-702.
- Nicholls, N., Gruza, G.V., Jouzel, J., Karl, T.R., Ogallo, L.A. and Parker, D.E.** 1996. Observed climate variability and change. In *Climate Change 1995* (eds, Houghton, J.T., Meira Filho, L.G., Callender, B.A., Harris, N., Kattenberg, A., Maskell, K.), Ch.3, IPCC, Cambridge University Press, Cambridge, UK. pp. 132-192.
- Nijs, I., Impens, I. and Behaeghe, T.** 1989. Leaf and canopy responses of *Lolium perenne* to long-term elevated atmospheric carbon-dioxide concentration. *Planta*, 177: 312-320.
- Nijs, I., Kockelbergh, F., Teughels, H., Blum, H., Hendrey, G. and Impens, I.** 1996. Free air temperature increase (FATI): a new tool to study global warming effects on plants in the field. *Plant, Cell and Environment*, 19: 495-502.
- Norby, R.J., Edwards, N.T., Riggs, J.S., Abner, C.H., Wullschlegel, S.D. and Gunderson, C.A.** 1997. Temperature-controlled open-top chambers for global change research. *Global Change Biology*, 3: 259-267.
- Oberbauer, S.F., Strain, B.R. and Fetcher, N.** 1985. Effect of CO₂ enrichment on physiology and growth of seedlings of two tropical tree species. *Physiological Plant*, 65: 352-356.
- Oechel, W.C. and Vourlitis, G.** 1996. Direct effects of increased CO₂ on arctic plant and ecosystem function. In *Carbon Dioxide and Terrestrial Ecosystems* (eds, Koch, G.W. and Moony, H.A.), Academic Press, San Diego, CA. pp. 163-176.

- Okada, M.** 1986. Greenhouse thermal environment. In *Nogyo-Kisho Kankyo-Gaku*. (eds, Nagano *et al.*). Asakura-Shoten, Tokyo. pp. 135-150 (in Japanese).
- Okada, M., Hamasaki, T. and Hayashi, T.** 1995. Temperature gradient chambers for research on global environment change. I. Thermal environment in a large chamber. *Biotronics*, 24: 85-97.
- Okada, M. and Takakura, T.** 1981. The heating load of greenhouses. (2) Heat transmission in the greenhouse with pipe heating systems. *Journal of Agricultural Meteorology*, 37: 211-219.
- Olszyk, D.M., Tibbits, T.M. and Hertsberg, W.M.** 1980. Environment in open-top field chambers utilized for air pollution studies. *Journal of Environmental Quality*, 9: 610-615.
- Overdieck, D.** 1989. The effects of preindustrial and predicted future atmospheric CO₂ concentration on *Lyonica mariana* L.D. Don. *Functional Ecology*, 3: 569-576.
- Patterson, D.T., Flint, E.P. and Bevers, J.L.** 1984. Effects of CO₂ enrichment on competition between a C4 weed and a C3 crop. *Weed Science*, 32: 101-105.
- Pearcy, R.W. and Björkman, O.** 1983. Physiological effects. In CO₂ and Plants: The response of plants to rising levels of carbon dioxide. (ed Lemon, E.R.), Westview Oress, Boulder, CO, pp. 65-78.
- Pearcy, R.W., Tumosa, N. and Williams, K.** 1981. Relationships between growth, photosynthesis and competitive interactions for a C3 and a C4 plant. *Oecologia*, 48: 371-376.
- Pearson, C.J. and Derrick, G.A.** 1977. Thermal adaptation of *Pennisetum*

americanum: Leaf photosynthesis and photosynthate translocation. *Australian Journal of Plant Physiology*, 4: 763-769.

Polley, H.W., Johnson, H.B., Marino, B. D. and Mayeux, H.S. 1993. Increase in C₃ plant water-use efficiency and biomass over Glacial to present CO₂ concentrations. *Nature*, 361: 61-64.

Poorter, H. 1993. Interspecific variation in the growth response of plants to an increased ambient CO₂ concentration. *Vegetatio*, 104/105, 77-97.

Potvin, C., Simon, J.P. and Strain, B.R. 1986. Effect of low temperature on the photosynthetic metabolism of the C₄ grass, *Echinochloa crus-galli*. *Oecologia*, 69: 499-506.

Potvin, C. and Strain, B.R. 1985. Photosynthetic response to growth temperature and CO₂ enrichment in two species of C₄ grasses. *Canadian Journal of Botany*, 63: 483-487.

Potvin, C., Strain, B.R. and Goeschl, J.D. 1985. Low night temperature effect on photosynthate translocation of two C₄ grasses. *Oecologia* (Berlin), 67: 305-309.

Radford R. J. 1967. Growth analysis formulae - their use and abuse. *Crop Science*, 7: 171-175.

Rawson, H.M. 1992. Plant responses to temperature under condition of increased CO₂. *Australian Journal of Botany*, 40: 473-490.

Read, J. and Morgan, J. 1996. Growth and partitioning in *Paspopyrum smithii* (C₃) and *Bouteloua gracilis* (C₄) as influenced by carbon dioxide and temperature. *Annual Botany*, 77: 487-496.

Reekie, E.G. and Bazzaz, F.A. 1989. Growth and photosynthetic response of nine tropical species with long-term exposure to elevated carbon dioxide.

Oecologia, 79:212-222.

Reekie, J.Y.C., Hicklenton, P.R. and Reekie, E.G. 1994. Effects of increased CO₂ on time of flowering in four short-day and four long-day species. *Canadian Journal of Botany*, 72: 533-538.

Reeves, D.W., Rogers, H.H., Prior, S.A., Wood, C.W. and Runion, G.B. 1994. Increased atmospheric carbon dioxide effects on sorghum and soybean nutrient status. *Journal of Plant Nutrition*, 17: 1939-1954.

Rogers, H.H., Heck, W.W. and Heagle, A.S. 1983. A field technique for the study of plant responses to increased carbon dioxide concentration. *Journal of Air Pollution Control Association*, 33: 42-44.

Rowland-Bamford, A.J., Baker, J.T., Allen, Jr L.H. and Browes, G. 1991. Acclimation of rice to changing atmospheric carbon dioxide concentration. *Plant, Cell and Environment*, 14: 577-583.

Rozema, J. 1993. Plant responses to atmospheric carbon dioxide enrichment: interactions with some soil and atmospheric conditions. *Vegetatio*, 104/105: 173-190.

Sage, R.F. and Reid C.D. 1992. Photosynthetic acclimation to sub-ambient CO₂ (20 Pa) in the C3 annual *Phaseolus vulgaris* L.. *Photosynthetica*, 27: 605-617.

Sage, R.F. and Reid C.D. 1994. Photosynthetic response mechanisms to environmental change in C3 plants. In *Plant-Environment Interactions* (ed, R.E. Wilkinson), Marcel Dekker, NY. pp. 413-499.

Schimel, D., Ives, D., Enting, I., Heimann, M., Joos, F, Raynaud, D. and Wigley, T. 1996. CO₂ and the carbon cycle. In *Climate Change 1995* (eds, Houghton, J.T., Meira Filho, L.G., Callender, B.A., Harris, N.,

Kattenberg, A., Maskell, K.), Cambridge University Press, Cambridge, UK. pp. 65-131.

Sinclair, T.R., Allen, Jr.L.H. and Drake, G.M. 1995. Temperature gradient chambers for research on global environment change. II. Design for plot studies. *Biotronics*, 24: 99-108.

Sionit, N., Hellmers, H. and Strain, B.R. 1982. Interaction of atmospheric CO₂ enrichment and irradiance on plants growth. *Agronomy Journal*, 74: 721-725.

Smith, S.D., Strain, B.R., and Sharkey, T.D. 1987. Effects of CO₂ enrichment on four Great Basin grasses. *Functional Ecology*, 1: 139-143.

Strain, B.R. and Cure, J.D. 1985. "Direct effects of increasing carbon dioxide on vegetation. Carbon dioxide research, State of the Art," Publication No. ER-0238. U.S. Dept. of Energy, Washington, DC.

Street-Perrott, F.A., Huang, Y., Perrott, R.A., Eglinton, G., Barker, P., Khelifa, L.B., Harkness, D.D. and Olago, D.O. 1997. Impact of lower atmospheric carbon dioxide on tropical mountain ecosystems. *Science*, 278: 1422-1426.

Takeda, T., Tanikawa, T., Agata, W. and Hakoyama, S. 1985. Studies on the Ecology and Geographical Distribution of C₃ and C₃ Grasses. I. Taxonomic and geographical distribution of C₃ and C₄ grasses in Japan with special reference to climatic conditions. *Japan Journal of Crop Science*, 54: 54-64 (in Japanese).

Teeri, J.A. and Stowe, L.G. 1976. Climatic patterns and the distribution of C₄ grasses in North America. *Oecologia*, 23: 1-12

Thomas, R.B. and Strain, B.R. 1991. Root restriction as a factor in

photosynthetic acclimation of cotton seedling grown in increased carbon dioxide. *Plant Physiology*, 96: 627-634.

Tissue, D.T., Griffin, K.L., Thomas, R.B. and Strain, B.R. 1995. Effects of low and increased CO₂ on C₃ and C₄ annuals. II. Photosynthesis and leaf biochemistry. *Oecologia*, 101: 21-28.

Vitousek, P.M. 1994. Beyond global warming: Ecology and global change. *Ecology*, 75: 1861-1876.

Wand, S.J.E., Midgley, G.F, Jones, M.H. and Curtis, P.S. 1999. Responses of wild C₄ and C₃ grass (Poaceae) species to increased atmospheric CO₂ concentration: a meta-analytic test of current theories and perceptions. *Global Change Biology*, 5: 723-741.

Warrick, R.A., Gifford, R.M. and Parry, M.L. 1986. CO₂, climatic change and agriculture. In *The Greenhouse Effect. Climate Change and Ecosystems* (eds, Bolin, B., Doos, B.R. and Warrick, R.A.). SCOPE 29, Wiley, Chichester, UK. pp. 363-39.

Watson, R.T., Rodhe, H., Oeschger, H. and Siegenthaler, U. 1990. Greenhouse gases and aerosols. In *Climate Change* (eds, Houghton, J.T., Jenkins, G.J., Ephraums, J.J.). *The IPCC Scientific Assessment* Cambridge, Cambridge University Press, Cambridge, UK. pp. 1-40.

Wayne, P.M., Reekie, E.G. and Bazzaz, F.A. 1998. Increased CO₂ ameliorates birch response to high temperature and frost stress: implications for modeling climate-induced geographic range shifts. *Oecologia*, 114: 335-342.

Weiner, J. 1990. Asymmetric competition in plant populations. *Trends in Ecology and Evolution*, 5: 360-364.

- Wong, S.C., Kriederm, P.E. and Farpuhar, G.D.** 1992. CO₂ × nitrogen interaction on seedling growth of four species Eucalypt. *Australian Journal of Botany*, 40: 457-472.
- Wheeler, T.R., Batts, G.R., Ellis, R.H., Hadley, P. and Morison, J.I.L.** 1996. Growth and yield of winter wheat (*Triticum aestivum*) crops in response to CO₂ and temperature. *Journal of Agricultural Science (Cambus)*, 127: 37-48.
- Yoshida, S.** 1981. Fundamental of Rice Crop Science. International Rice Research Institute, Los Baños, Philippines. pp. 269
- Zangerl, A.R. and Bazzaz, F.A.** 1984. The response of plants to increased CO₂. II. Competitive interactions among annual plants under varying light and nutrients. *Oecologia* (Berlin), 62: 412-417.
- Ziska, L.H., Hogan, K.P., Smith, A.P. and Drake, B.G.** 1991. Growth and photosynthetic response of nine tropical species with long-term exposure to elevated carbon dioxide. *Oecologia*, 86: 383-389.