

Publications – Authored or Co-authored  
by M.B. Kirkham  
as of December 6, 2023

- One. No journal (J)-no. Kirkham, M.B., W.R. Gardner, and G.C. Gerloff. 1969. Leaf water potential of differentially salinized plants. *Plant Physiology* 44:1378-1382.
- Two. No J-no. Kirkham, M.B., W.R. Gardner, and G.C. Gerloff. 1972. Stomatal conductance of differentially salinized plants. *Plant Physiology* 49:345-347.
- Three. No- J-no. Kirkham, M.B., W.R. Gardner, and G.C. Gerloff. 1972. Regulation of cell division and cell enlargement by turgor pressure. *Plant Physiology* 49:961-962.
- Four. No J-no. Saffigna, P.G., D.R. Keeney, C.B. Tanner, and M.B. Kirkham. 1973. Water and nitrogen balance on potatoes grown on irrigated sandy soils. *Proceedings Fertilizer and Aglime Conference (Madison, Wisconsin)* 12:30-37.
- Five. No J-no. Kirkham, M.B., W.R. Gardner, and G.C. Gerloff. 1974. Internal water status of kinetin-treated, salt-stressed plants. *Plant Physiology* 53:241-243.
- Six. No J-no. Kirkham, M.B., D.R. Keeney, and W.R. Gardner. 1974. Uptake of water and labelled nitrate at different depths in the root zone of potato plants grown on a sandy soil. *Agro-Ecosystems* 1:31-44.
- Seven. No J-no. Kirkham, M.B., and D.R. Keeney. 1974. Air pollution injury of potato plants grown in a growth chamber. *Plant Disease Reporter* 58:304-306.
- Eight. No J-no. Kirkham, M.B., P.G. Saffigna, and D.R. Keeney. 1974. Nitrogen and nitrate in potato plants grown on an irrigated, sandy soil in central Wisconsin, Section VII, Appendix D, 21 p. In: D.R. Keeney and W.R. Gardner (Principal Investigators). Final Report of NSF-RANN for the period September 1971 through June 1974. Dynamics of the Terrestrial Nitrogen Cycle. (Available from Department of Soil Science, University of Wisconsin, Madison, Wisconsin 53706 U.S.A.)
- Nine. No J-no. Kirkham, M.B. 1974. Disposal of sludge on land: Effect on soils, plants, and ground water. *Compost Science* 15(2):6-10.
- Ten. No J-no. Kirkham, M.B. 1974. Trace elements in sludge. *Science* 184:1030 (one page).
- Eleven. No J-no. Kirkham, M.B., and G.K. Dotson. 1974. Growth of barley irrigated with wastewater sludge containing phosphate precipitants, p. 97-106. In: *Proceedings of the National Conference on Municipal Sludge Management*. Information Transfer, Inc., Washington, D.C.

- Twelve. No J-no. Kirkham, M.B. 1975. Uptake of cadmium and zinc from sludge by barley grown under four different sludge-irrigation regimes. *Journal of Environmental Quality* 4:423-426.
- Thirteen. No J-no. Kirkham, M.B. 1975. Trace elements in corn grown on long-term sludge disposal site. *Environmental Science and Technology* 9:765-768.
- Fourteen. No J-no. Kirkham, M.B. 1976. Correspondence on the Note, "Trace Elements in Corn Grown on Long-Term Sludge Disposal Site." *Environmental Science and Technology* 10:285 (one page).
- Fifteen. U. Mass. J-no. 1075. Kirkham, M.B. 1976. Growth of chrysanthemums in conditioned sludge media. *Mededelingen Fakulteit Landbouwwetenschappen Rijksuniversiteit Gent* 41(1):267-280.
- Sixteen. U. Mass. J-no. 1977. Kirkham, M.B., and E.R. Emino. 1976. Growth of chrysanthemums fertilized with liquid sewage sludge. *HortScience* 11:157-158.
- Seventeen. U. Mass. J-no. 1978. Kirkham, M.B. and E.R. Emino. 1975. Using sludge for growing flowers and shrubs. *New England Gardening Magazine* 2(5):25-26.
- Eighteen. U. Mass. J-no. 2029. Kirkham, M.B., and E.R. Emino. 1975. Effect of cold storage on the rooting of deciduous azalea cuttings. *The Plant Propagator* 21(4):4-5.
- Nineteen. U. Mass. J-no. 2002. Kirkham, M.B. 1976. Soil testing. *American Horticulturist* 55(3):38-40.
- Twenty. U. Mass. J-no. 2055. Kirkham, M.B. 1976. Heavy metals in vegetables grown on sludge-treated land. *New England Gardening Magazine* 3(7):18-20.
- Twenty-one. U. Mass. J-no. 2025. Kirkham, M.B. 1977. Trace elements in sludge on land: Effect on plants, soils, and ground water, p. 209-247. In: R.C. Loehr (Ed.) *Land as a Waste Management Alternative*. Ann Arbor Science Pub., Inc., Ann Arbor, Michigan.
- Twenty-two. U. Mass. J-no. 2001. Kirkham, M.B. 1977. Growth of tulips treated with sludge containing dewatering chemicals. *Environmental Pollution* 13:11-20.
- Twenty-three. U. Mass. J-no. 2066. Kirkham, M.B. 1977. Organic matter and heavy metal availability. *Compost Science* 18(1):18-21.
- Twenty-four. No J-no. Kirkham, M.B. 1976. Potassium concentrations of kinetin-treated, salt-stressed plants, p. 46-47. In: Fifth IPI-Competition for Young Research Workers. IPI Research Topics No. 2. International Potash Institute, Bern, Switzerland. Publications, M.B. Kirkham

Twenty-five. No J-no. One of thirty authors (L.M. Walsh, Chairman) of Council for Agricultural Science and Technology Report No. 64: Application of Sewage Sludge to Cropland: Appraisal of Potential Hazards of the Heavy Metals to Plants and Animals. Council for Agricultural Science and Technology, Ames, Iowa, November 22, 1976. EPA 430/9-76-013. U.S. Environmental Protection Agency, Washington, D.C. 63 p.

Twenty-six. No J-no. One of twenty-six Task Force Members (R.L. Christensen, Chairman). The Feasibility of Application of Municipal Sewage Sludge on Agricultural Land in Massachusetts. Research Bulletin No. 650. Massachusetts Agricultural Experiment Station, University of Massachusetts at Amherst, College of Food and Natural Resources, December, 1977. Six chapters + appendix (pages not numbered sequentially)

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Twenty-eight. No J-no. Kirkham, M.B. 1977. Review of book: Recovery and Restoration of Damaged Ecosystems. Ed. By J. Cairns, Jr., K.L. Dickson, and E.E. Herricks. University Press of Virginia, Charlottesville. 531 p. Journal of Environmental Quality 6:478 (one page).

Twenty-nine. No J-no. Kirkham, M.B., and J.C. Corey. 1977. Pollen as indicator of radionuclide pollution. Journal of Nuclear Agriculture in Biology 6:71-74.

Thirty. Okla. J-no. 3278. Kirkham, M.B. 1977. Uptake by barley of water table- or surface-applied cadmium. Soil Science Society of America Journal 41:1125-1129.

Thirty-one. U. Mass. J-no. 2074. Zuckerman, L.S., and M.B. Kirkham. 1978. Cadmium and zinc availability in soil irrigated with sludge containing a cationic conditioner. Water, Air, and Soil Pollution 9:467-473.

Thirty-two. Okla. State J-no. 3581. Kirkham, M.B. 1978. Availability to wheat of elements in sludge-treated soil with earthworms, p. 103-121. In: R. Hartenstein (Ed.) Utilization of Soil Organisms in Sludge Management. The National Science Foundation, Washington, D.C., and The State University of New York College of Environmental Science and Forestry, Syracuse, New York.

Thirty-three. No J-no. Kirkham, M.B. 1978. Will Gutenberg survive? Letter to editor. Science 199:123 (one page).

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Thirty-six. Okla. State J-no. 3364. Kirkham, M.B., and E.L. Smith. 1978. Water relations of tall and short cultivars of winter wheat. *Crop Science* 18:227-230.

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Thirty-eight. U. Mass. J-no. 2035. Kirkham, M.B. 1978. Water relations of cadmium-treated plants. *Journal of Environmental Quality* 7:334-336.

Thirty-nine. Okla. State J-no. 3568. Peck, R.A., and M.B. Kirkham. 1979. Water relations and yield of winter wheat grown under three water regimes in the High Plains. *Proceedings of the Oklahoma Academy of Science* 59:53-59.

Forty. Okla. State J-no. 3480. Kirkham, M.B. 1979. Water relations of wheat alternated between two root temperatures. *New Phytologist* 82:89-96.

Forty-one. No J-no. Greene, D.M., S.M. Sutherland, and M.B. Kirkham. 1979. Influence of area on winter wheat climatic models. *Climatic Change* 2:21-32.

Forty-two. Okla. State J-no. 3425. Erickson, P.I., and M.B. Kirkham. 1979. Growth and water relations of wheat plants with roots split between soil and nutrient solution. *Agronomy Journal* 71:361-364.

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