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**Curriculum Vitae**

**Jack Dekker**

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**CAREER HISTORY**

**Education**

*Degree Institution Date granted*

B.A., Anthropology Michigan State University l974

B.S., Agronomy University of Minnesota l977

M.S., Crop Science/Weed Science Michigan State University l978

Ph.D., Crop Science/Weed Science Michigan State University l980

**Positions Held**

l977-l980 Graduate Research Assistant Crop & Soil Sciences Dept., Michigan State University

l980-l984 Assistant Professor Crop Science Dept; University of Guelph, Ontario, Canada; with tenure 1984.

l985-l986 Assistant Professor Dept. of Plant Pathology, Seed & Weed Sci., Iowa State University

1986 Associate Professor Dept. of Plant Pathology, Seed & Weed Sci., Iowa State University; with tenure

l986-2014 Associate Professor Dept. of Agronomy; Iowa State University

1989 Visiting Professor Botany Department, University of Wisconsin, Madison; sponsor: Tom Sharkey

1993, 1994 Visiting Professor Dept. of Plant Physiology, Wageningen Agricultural University, The Netherlands; sponsor: Cees Karsen

2000-2001 Visiting Professor Dept. of Plant and Microbial Biology, Univ. of California, Berkeley; sponsor: Michael Freeling

2014 Retired

**Professional Affiliations**

Botanical Society of America

Ecological Society of America

European Weed Research Society

International Society for Seed Science

International Society for Chronobiology

North Central Weed Science Society

Society for the Study of Evolution

Weed Science Society of America

**Iowa State University Affiliations**

Agronomy Department: Crop Production and Physiology Faculty

Interdepartmental Graduate Programs Faculty

Bioinformatics and Computational Biology

Complex Adaptive Systems

Ecology and Evolutionary Biology

Plant Physiology

Osborn Research Club

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**PUBLICATIONS: 1978-2016**

**Google Scholar Citations and Citation Index:**

http://scholar.google.com/citations?user=70480ysAAAAJ&hl=en

**Digital Respository @ Iowa State University:** <http://lib.dr.iastate.edu/>

Selected Works Dekker Gallery: http://works.bepress.com/jdekker/

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**Weed Seed Germplasm Collection**

Dekker, J. 2014. Weed seed germplasm collection 1964-2014 of the Weed Biology Laboratory.

Iowa State University Digital Repository: http://works.bepress.com/jdekker/

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**Publications**

Dekker, J. 2016. Evolutionary ecology of weeds, 2nd edition. CreateSpace Publishing; Weeds-R-Us

Press, Ames, IA. Pp. 552. ISBN-13: 978-1535401074; ISBN-10: 1535401074

Dekker, J. 2016. Evolutionary ecology of s-triazine resistant plants: Pleiotropic photosynthetic reorganization in the chloroplast chronomutant. Handbook of Photosynthesis, 3rd Edition,

Chapter 39, pp. 705-722. M. Pessarakli (ed.). CRC Press, Taylor and Francis Group, Boca Raton, FL. 804p.

Brenner, D.M., J. Dekker, J. Niemi, and L. Pfiffner. 2015. Medical oxygen concentrators for

releasing seed dormancy. Crop Science 55:2291-2293.

Dekker, J. 2014a. Evolutionary ecology models of weed life history. arXiv:1403.7122 [q.bio.PE].

http://arxiv.org/abs/1403.7122

Dekker, J. 2014b. Seed dormancy, germination and seedling recruitment in weedy *Setaria*. In:

Handbook of Plant and Crop Physiology, 3rd Edition, Chapter 2, pp. 33-102; M. Pessarakli, Ed. Taylor and Francis Group, CRC Press, Boca Raton, FL; 1031 pp.

Dekker, J. and J. Gilbert. 2014. Weedy adaptation in *Setaria* spp.: IX. Effects of salinity, temperature,

light, and seed dormancy on *Setaria faberi* seed germination. arXiv: 1408.6187 [q.bio.PE]. http:arxiv.org/abs/1408.6187 Journal of Life Sciences Research 1(2):45-50.

Donnelly, J.L., D.C. Adams and J. Dekker. 2014. Weedy adaptation in *Setaria* spp.: VI. *S. faberi* seed hull shape as soil germination signal antenna. arXiv:1403.7064 [q.bio.PE]. <http://arxiv.org/abs/1403.7064> Does phylogeny determine the shape of the outer seed hull in

*Setaria* seeds? In: Dekker, J., D. Adams, A. van Aelst, B. Dekker, J. Donnelly, and M. Haar, M. Hargrove, H. Hilhorst, C. Karssen, J. Lathrop, E. Luschei, and D. Todey. 2012. Weedy *Setaria* seed germination-dormancy behavior: Regulatory compartmentalization. Lambert Academic Publishing, Saarbrücken, Germany. ISBN: 978-3-659-24309-7

Haar, M.J. and J. Dekker. 2014. Weedy adaptation in *Setaria* spp.: VII. Seed germination heteroblasty in *Setaria faberi*. arXiv:1403.7072 [q.bio.PE]. <http://arxiv.org/abs/1403.7072> Seed rain

dormancy structure in *Setaria faberi*. In: Dekker, J., B. Atchison, M. Haar, and K. Jovaag. 2012. Weedy *Setaria* seed life history: Heterogeneous seed rain dormancy predicates seedling recruitment. Lambert Academic Publishing, Saarbrücken, Germany. ISBN: 978-3-8454-7859-3

Haar, M.J., A. van Aelst and J. Dekker. 2014. Weedy adaptation in *Setaria* spp.: VIII. Structure of *Setaria faberi* seed, caryopsis and embryo germination. arXiv:1403.7096 [q.bio.PE].

<http://arxiv.org/abs/1403.7096> Micrographic analysis of *Setaria faberi* seed, caryopsis and

embryo germination. In: Dekker, J., D. Adams, A. van Aelst, B. Dekker, J. Donnelly, and M. Haar, M. Hargrove, H. Hilhorst, C. Karssen, J. Lathrop, E. Luschei, and D. Todey. 2012. Weedy *Setaria* seed germination-dormancy behavior: Regulatory compartmentalization.

Schutte, B.J., B.J. Tomasek, A.S. Davis, L. Andersson, D.L. Benoit, A. Cirujeda, J. Dekker, F. Forcella, J.L. Gonzalez-Andujar, F. Graziana, A.J. Murdock, P. Neve, I.A. Rasmussen, B. Sera, J. Salonen, F. Tei, K.S. Torresen, J.M. Urbano. 2014. An investigation to enhance understanding of the stimulation of weed seedling emergence by soil disturbance. Weed Research 54(16):1-12.

Altenhofen, L. and J. Dekker. 2014. The effects of light, temperature, after-ripening, nitrate and water on *Chenopodium album* seed germination. Environment and Ecology Research 2(2):80-90.

Andujar, J.G., D.L. Benoit, A. Davis, J. Dekker, F. Graziani, A. Grundy, L. Karlsson, A. Mead, P. Milberg, P. Neve, I.A. Rasmussen, J. Salonen, B. Sera, E. Sousa, F. Tei, K.S. Torresen, J.M. Urbano. 2013. Continental diversity of *Chenopodium album* seedling recruitment. arXiv:1310.0483[q.bio.PE]. http://arxiv.org/abs/1310.0483

Dekker, J. 2013. Soil-weed seed communication systems. Universal Journal of Plant Science 1(1):9-

20.

Dekker, J., D. Adams, A. van Aelst, B. Dekker, J. Donnelly, and M. Haar, M. Hargrove, H. Hilhorst, C. Karssen, J. Lathrop, E. Luschei, and D. Todey. 2012. Weedy *Setaria* seed germination- dormancy behavior: Regulatory compartmentalization. Lambert Academic Publishing, Saarbrücken, Germany. ISBN: 978-3-659-24309-7

Dekker, J., B. Atchison, M. Haar, and K. Jovaag. 2012. Weedy *Setaria* seed life history: Heterogeneous seed rain dormancy predicates seedling recruitment. Lambert Academic Publishing, Saarbrücken, Germany. ISBN: 978-3-8454-7859-3

Jovaag, K., J. Dekker, and B. Atchison. 2012. *Setaria faberi* seed heteroblasty blueprints seedling recruitment: I. Seed dormancy heterogeneity at abscission. International Journal of Plant Research 2(3): 46-56.

Jovaag, K., J. Dekker, and B. Atchison. 2012. *Setaria faberi* seed heteroblasty blueprints seedling recruitment: III. Seedling recruitment behavior. International Journal of Plant Science 2(6):165- 180.

Jovaag, K., J. Dekker, and B. Atchison. 2011. *Setaria faberi* seed heteroblasty blueprints seedling recruitment: II. Seed behavior in the soil. International Journal of Plant Research 1(1):1-10.

Dekker, J., H. MacKenzie, and K. Chandler. 2011. The effects of soil pH on *Elymus repens* growth

and tissue nutrients. Resources and Environment 1(1):20-25.

Haar, M.J. and J. Dekker. 2011. Seed production in weedy *Setaria* spp.-gp. Journal of Biodiversity

and Ecological Sciences 1(3):169-178.

Darmency, H. and J. Dekker. 2011. *Setaria*. In: Wild crop relatives: Genomic and breeding resources, Millets and grasses, C. Kole (ed.); Wealth of Wild Species: Role in Plant Genome Elucidation and Improvement, Vol 2.; Chapter 15, pp. 275-296;. Springer-Verlag Berlin, Heidelberg.

Dekker, J. 2011. Evolutionary models of weed life history population dynamics. In: Advances in environmental research, Volume 10, pp. 143-165; J.A. Daniels (Ed.). Nova Science Publishers, Hauppauge, NY.

Dekker, J. 2011. Evolutionary ecology of weeds. http://www.agron.iastate.edu/~weeds/AG517/517Course/EEWbook.html

Dekker, J. 2009. FoxPatch: An evolutionary model system for weedy *Setaria* spp.-gp. seed life history dynamics. XIIIth International Conference on Weed Biology, Dijon, France. Association Française pour la Protection des Plantes Annales: 117-127.

Dekker, J. and E.C. Luschei. 2009. Water partitioning between environment and *Setaria faberi* seed exterior-interior compartments. Agriculture Journal 4(2):66-76.

Dekker, J., H. MacKenzie and K. Chandler. 2006. The effects of soil pH on *Setaria viridis* and *Abutilon theophrasti* seedling growth and tissue nutrients. Agriculture Journal 1(1):1-4.

Dekker, J. 2005. Biology and anthropology of plant invasions. In: Invasive plants: ecological and

agricultural aspects; Inderjit (Ed.). Birkhäuser Verlag BioSciences, Basel. Pp. 235-250.

Dekker, J. 2004b. Invasive plant life history determinants of yield in disturbed agro-ecosystems. XIIth

International Conference on Weed Biology, Dijon, France. Association Française pour la Protection des Plantes Annales: 5-14.

Dekker, J. 2004a. The evolutionary biology ofthe foxtail (*Setaria*) species-group. In: Weed Biology

and Management; Inderjit (Ed.). Kluwer Academic Publishers, The Netherlands. Pp. 65-113.

Dekker, J, B. Atchison and K Jovaag. 2003. *Setaria* spp. seed pool formation and initial assembly in

agro-communities. Aspects of Applied Biology 69:247-259.

Dekker, J. 2003. The foxtail (*Setaria*) species-group. Weed Science 51:641-646.

Tranel, D. and J. Dekker. 2002. Differential seed germinability in triazine-resistant and -susceptible giant foxtail (*Setaria faberii*). Asian Journal of Plant Sciences 1(4):334-336.

Dekker J., M.Hargrove. 2002. Weedy adaptation in *Setaria* spp.: V. Effects of gaseous environment

on giant foxtail (*Setaria faberii* R. Hermm.) (Poaceae) seed germination. American Journal of Botany 89(3):410-416.

Dekker, J., J. Lathrop, B. Atchison, and D. Todey. 2001. The weedy *Setaria* spp. phenotype: How

environment and seeds interact from embryogenesis through germination. Proceedings of the Brighton Crop Protection Conference-Weeds 2001:65-74.

Dekker, J. 2000. Emergent weedy foxtail (*Setaria* spp.) seed germinability behavior. In: Seed Biology: Advances and Applications (M. Black, K.J. Bradford, and J. Vasquez-Ramos, Eds). CAB International International, Wallingford, UK, pp. 411-423.

Dekker, J. 1999. Ethics and choice of research topics in the public sector. Weed Science 47:629-630.

Dekker, J. 1999. Soil weed seed seed banks and weed management. "Expanding the Context of Weed Management", D. Buhler (Ed.), Haworth Press Inc. New York. Simulataneously published in: Journal of Crop Production 2(1):139-166.

Luschei, E.C., D.D. Buhler, and J. Dekker. 1998. Effect of separating giant foxtail (*Setaria faberi*)

seeds from soil using potassium carbonate and centrifugation on viability and germination. Weed Science 46:545-548.

Forcella, F., R.G. Wilson, J. Dekker, R.J. Kremer, J. Cardina, R.L. Anderson, D. Alm, K.A. Renner, R.G. Harvey, S. Clay, and D.D. Buhler. 1997. Weed seed bank emergence across the corn belt. Weed Science 45:67-76.

Dekker, J. 1997. Weed diversity and weed management. Weed Science 45:357-363.

Dekker, J., B.I. Dekker, H. Hilhorst and C. Karssen. 1996. Weedy adaptation in *Setaria* spp.: IV.

Changes in the germinative capacity of *S. faberii* embryos with development from anthesis to after abscission. American Journal of Botany 83(8):979-991.

Wang, R.L, J. Wendell and J. Dekker. 1995a. Weedy adaptation in *Setaria* spp.: I. Isozyme analysis of

the genetic diversity and population genetic structure in *S. viridis*. American Journal of Botany 82(3):308-317.

Wang, R.L, J. Wendell and J. Dekker. 1995b. Weedy adaptation in *Setaria* spp.: II. Genetic diversity

and population genetic structure in *S. glauca*, *S. geniculata* and *S. faberii*. American Journal of Botany 82(8):1031-1039.

Wang, R.L. and J. Dekker. 1995. Weedy adaptation in *Setaria* spp.: III. Variation in herbicide

resistance in *Setaria* spp. Pesticide Biochemistry and Physiology 51:99-116.

Dekker, J. and S.O. Duke. 1995. Herbicide resistance in field crops. Advances in Agronomy 54:69-

116.

Dekker, J. 1993. Pleiotropy in triazine resistant *Brassica napus*: Leaf and environmental influences on

photosynthetic regulation. Zeitschrift Naturforschung 48c:283-287.

Thornhill, R. and J. Dekker. 1993. Mutant weeds of Iowa: V. S-triazine resistant Giant Foxtail

(*Setaria faberii* Hermm.). Journal of the Iowa Academy of Science 100:13-14.

Dekker, J.H. and R.G. Burmester. 1993. Pleiotropy in triazine resistant *Brassica napus*: Differential

stomatal and leaf responses to the environment. *In*: Research in photosynthesis, N. Murata (Ed.), Vol. IV:631-634. Kluwer Academic Publishers, Dordrecht, The Netherlands.

Dekker, J. and G. Comstock. 1992. Ethical, environmental and ecological considerations in the release

of herbicide resistant crops. Agriculture and Human Values 9(3):31-44.

Dekker, J.H. and R.G. Burmester. 1992. Pleiotropy in triazine resistant *Brassica napus*: Ontogenetic

and diurnal influences on photosynthesis. Plant Physiology 100:2052-2058.

Dekker, J. and T. D. Sharkey. l992. Regulation of photosynthesis in triazine resistant and susceptible

*Brassica napus*. Plant Physiology 98:1069-1073.

Dekker, J. 1992. Pleiotropy and photosynthetic regulation in triazine resistant *Brassica napus*.

Photosynthesis Research 34:235.

Forcella, F., R.G. Wilson, K.A. Renner, J. Dekker, R.G. Harvey, D.A. Alm, D.D. Buhler and J.A.

Cardina. 1992. Weed seedbanks of the U.S. corn belt: magnitude, variation, emergence, and application. Weed Science 40:636-644.

Tranel, P. and J. Dekker. 1992. Inheritance of clomazone resistance in maize seedlings. Maydica

37:137-142.

Dekker, J. 1991. An overview of new techniques and advances in weed physiology and molecular

biology. Weed Science 39: 480-481.

Akey, W. C., T. W. Jurik and J. Dekker. l991. A replacement series evaluation of competition

between velvetleaf (*Abutilon theophrasti*) and soybean (*Glycine max*). Weed Research 31:63-72.

Dekker, J., R. Burmester and J. Wendel. l991. Mutant weeds of Iowa: S-triazine resistant

*Polygonum pensylvanicum* L. Weed Technology 5:211-213

Akey, W. C., T. W. Jurik and J. Dekker. l990. Competition for light between velvetleaf (*Abutilon*

*theophrasti*) and soybean (*Glycine max*). Weed Research 30:403-411.

Dionigi, C. P. and J. H. Dekker. l990. The effects of tridiphane on the growth and structure of

soybean leaf tissue. Pesticide Biochemistry and Physiology 37:287-292.

Dekker, J. and R. G. Burmester. l990. Differential pleiotropy in a psbA gene mutant of *Brassica*

*napu*s implies altered temporal photosynthesis and thermal tolerance. Zeitschrift fur Naturforschung 45c:474-477.

Dekker, J. and R. G. Burmester. l990. Differential diurnal photosynthetic function in a psbA plastid

gene chronomutant of *Brassica napus* L. *In*: Chronobiology: Its role in clinical medicine, general biology and agriculture; Pt. B., Cellular and Molecular Mechanisms. Eds. D. Hayes, J. E. Pauly and R. J. Reiter. Pp. 243-25l. Wiley-Liss, N.Y., N.Y.

Dekker, J. and R. G. Burmester. l989. Differential diurnal carbon exchange and photoinhibition in a

psbA plastid gene chronomutant of *Brassica napus*. *In*: Current Research in Photosynthesis, M. Baltscheffsky (Ed.), Kluwer Academic Publishers, Dordrecht, The Netherlands, Vol. IV(l6):263-266.

Dekker, J. and R. G. Burmester. l989. Differential diurnal photosynthesis in a psbA gene

chronomutant of *Brassica napu*s. Physiologia Plantarum 76:l82.

Dekker, J. and R. Burmester. l989. Mutant weeds of Iowa: s-triazine resistant plastids in

*Chenopodium album* L. Journal of the Iowa Academy of Science 96:6l-64.

Dekker, J. and R. Burmester. l989. Differential diurnal photosynthetic function and regulation in a

psbA plastid gene chronomutant of *Brassica napus*. Chronobiologica l6:l27.

Blackshaw, R. E., G. Walker and J. Dekker. 1989. Interference among *Sinapis arvensi*s,

*Chenopodium album* and *Brassica napus*. II. Interference for light. Phytoprotection 70:7-l4.

Blackshaw, R. E. and J. Dekker. 1988. Interference among *Sinapis arvensis*, *Chenopodium album*

and *Brassica napus*. I. Yield response and interference for nutrients and water. Phytoprotection 69:l05-l20.

Dekker, J. and R. Burmester. l988. Fluorometric determination of *in vivo* p-halohydroxybenzonitrile

detoxification kinetics in *Zea mays*. Analytical Letters 2l(ll):2077-2089.

Harker, K. N. and J. Dekker. l988. Temperature effects on translocation patterns of several herbicides

within quackgrass (*Agropyron repen*s). Weed Science 36:545-552.

Harker, K. N. and J. Dekker. l988. Effects of phenology on translocation patterns of several

herbicides within quackgrass (*Agropyron repens*). Weed Science 36:463-472.

Walker, G. K., R. E. Blackshaw and J. Dekker. l988. Leaf area and competition for light between plant

species using direct sunlight transmission. Weed Technology 2:l59-l65.

Menkveld, J. W. and J. H. Dekker. l988. Persistence of EPTC+ and Butylate+ in Butylate+ acclimatised

Soils. Phytoprotection 69:23-30.

Sikkema, P. H. and J. H. Dekker. l987. Use of infrared thermometry in determining critical stress

periods induced by quackgrass (*Agropyron repens*) in soybeans (*Glycine max*). Weed Science 35:784-79l.

Dekker, J., R. Burmester, K. C. Chi and L. Jensen. l987. Mutant Weeds of Iowa: s-triazine resistant

plasids in *Kochia scopari*a. Iowa Journal of Research 62:l83-l88.

Harvey, R. G., J. H. Dekker, R. S. Fawcett, F. W. Roeth and R. G. Wilson. l987. Enhanced biodegradation of herbicides in soil and effects on weed control. Weed Technology l:34l-349.

Dekker, J. and K. C. Vaughn. l987. An adaptive advantage of triazine resistance: A temporal phase

mutation of photosynthetic function. Chronobiologica l4:49.

Dekker, J. and R. G. Dekker. l987. Mutant Weeds of Iowa: Fasciation in *Taraxacum officinal*e.

Phytologia 63:l55-l56.

Dekker, J. and B. Westfall. l987. Circadian oscillations in chlorophyll fluorescence in a triazine-

resistant chronomutant of *Brassica napus*. J. E. Pauly and L. E. Schering(eds.), *In*: Progress in

Clinical and Biological Research. Advances in Chronobiology Pt. A., Pp. 8l-93. Alan R. Liss,

Inc., New York.

Blackshaw, R. E., G. W. Anderson and J. Dekker. l987. Interference of *Sinapis arvensi*s L. and

*Chenopodium album* L. in spring rapeseed (*Brassica napus* L.). Weed Research 27:207-213.

Dekker, J. H. and B. Westfall. l987. A temporal phase mutation of chlorophyll fluorescence in

triazine resistant *Brassica napus*. Zeitschrift fur Naturforschung 42c:l35-l38.

Dekker, J. H. and W. F. Meggitt. l986. Field emergence of velvetleaf (*Abutilon theophrasti*) in relation to time and burial depth. Iowa State Journal of Research 6l(1):65-80.

Dekker, J. H. and K. N. Harker. l985. Comparative efficacy of several graminicides in controlling

*Elymus repen*s. Proc. l985 British Crop Prot. Conf., Brighton: Weeds 2:47l-478.

Dekker, J. H. and K. Chandler. l985. Effects of several graminicides on the viability of quackgrass

(*Agropyron repens*) rhizome buds. Canadian Journal of Plant Science 65:l057-l064.

Ezra, G., J. H. Dekker and G. R. Stephenson. l985. Tridiphane as a synergist for herbicides in corn

(*Zea may*s L.) and Proso millet (*Panicum miliaceum* L.). Weed Science 33:287-290.

Dekker, J. H. l983. Annual weed control in triazine tolerant rapeseed. Proc. 6th Int'l. Rapeseed Conf.,

Paris. Pp. l239-l244.

Dekker, J. H., W. F. Meggitt and A. R. Putnam. l983. Experimental methodologies to evaluate

alleleopathic plant interactions: the *Abutilon theophrasti*-*Glycine max* model. Journal of Chemical Ecology 9:945-98l.

Dekker, J. H. and W. F. Meggitt. l983. Interference between velvetleaf (*Abutilon theophrasti* (L.)

Medic.) and soybeans (*Glycine max* (L.) Merr.). I. Growth. Weed Research 23:9l-l0l.

Dekker, J. H. and W. F. Meggitt. l983. Interference between velvetleaf (*Abutilon theophrasti* (L.)

Medic.) and soybeans (*Glycine max* (L.) Merr.). II. Population dynamics. Weed Research 23:l03-l07.

Dekker, Jack, W. F. Meggitt, P. F. Boldt. l98l. Soil herbicidal activity from postemergence HOE

29l52 and diclofop. Weed Science 29:3l4-3l6.

Dekker, Jack. 1981. Proso Millet. Ontario Ministry of Agriculture and Food, Canada.

Dekker, J. 1980. Interference between velvetleaf (*Abutilon theophrasti* Medic.) and soybeans (*Glycine*

*max* (L.) Merrill). Ph.D. Thesis, Michigan State University.

Dekker, J. H. and William F. Meggitt. l979. Laboratory Manual for Weed Science. 2nd ed. Michigan State University Press.

Dekker, J. H. and William F. Meggitt. l978. Laboratory Manual for Weed Science. lst ed. Michigan State University Press.

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