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### S. Elwynn Taylor

Professor of Agronomy and Extension Climatologist

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#### A. Education

Ph.D.	Biology	1970	Washington University (St Louis)
B.S.	Botany	1966	Utah State University

#### B. Job Description

I am responsible for statewide leadership in the development and implementation of extension education and information programs in **agricultural climatology**. I also have teaching responsibilities on and off-campus for graduate courses in Meteorology/Climatology : (100% Extension Education, divided between Integrated Pest management and Extension Teaching). Advisor to 34 graduate students and member of more than 100 graduate committees during Iowa State University tenure. Member of the Faculties of Agronomy, Ecology and Evolutionary Biology Program, and the Water Resources Program.

#### C. Professional Experience

1979-Present	Assistant to Full Professor	Iowa State University
1973-1979	Adjunct Assistant Professor	Auburn University
1973-1979	Agricultural Meteorologist	National Weather Service
1971-1973	Adjunct Assistant Professor	New Mexico State University
1971-1973	Atmospheric Research	U.S. Army Atmospheric Sciences Laboratory

Also, performed as a Project Scientist, Investigator, Board Member for various military and Federal research projects related to climate, energy, and environmental issues pertaining to agriculture.

**D. Military and Federal Research Projects (selected)**

Project Scientist: Models to Predict Earth-Air Interface Temperature Regimes During Freeze Conditions, National Aeronautics and Space Administration, Contract No. NAS 10-877.  
 Associate Investigator: Heat and Cold Stress of Peach Plantings in Georgia, Alabama, and Florida. National Oceanic and Atmospheric Administration, Agricultural Meteorology Program. 1973-1976.  
 Associate Investigator: Utilization of Solar Energy for Heating of Poultry Houses in the United States. U.S. Department of Agriculture, A.R.S. 1974-1977  
 Co-Investigator: Weather and Migration of Black Cutworm, ARS/USDA, 1980-1991  
 National Review Board Member: USDA/APHIS project for the establishment of a national pest information database. No. 12-16-84-003 1983-1988.  
 Co-Investigator: High Plains Soil Water Balance: NOAA/USDA Regional Project, 1987-1993.  
 Principal Investigator: National Climate Program Office project to establish regional climate center. Award No. NA90AA-D-AD651 1984-1989.  
 Principal Investigator: USAID and India Council of Agricultural Research. Project 386-0470 “Strengthening Agro-meteorological Research to Enhance Crop Production” 1987-1989.

**E. Service to Department, College, and Profession (1985-present)**

Content Adviser, Compass Point Books, 3109 W 50<sup>th</sup> St. #115, Minneapolis, MN 55410 (2003)  
 Technical Editor, Korean Journal of Agricultural and Forest Meteorology (2003- 2009)  
 Content Reviewer, Missouri Climate Bulletin (2004-2008)  
 Member, Agronomy Extension Panel (1979-present)  
 Technical Review Board, Ecological Society of America (1976-present)  
 President, Phi Kappa Phi Chapter 6 (1990-1991)  
 Technical Review Committee - USDA Proposals in Agricultural Meteorology (1991-2000)  
 Contributing Reviewer - Glossary of Terms in Soils for the American Society of Agronomy (1985-present)  
 Contributing Reviewer - Glossary of Terms in Meteorology for the World Meteorological Organization (1996)  
 Papers Presented at ASA National Meetings, 1985, 1986, 1987, 1988, 1989, 1990, 1992, 1995, 1996, 1997, 1998, 1999.  
 Papers Presented at American Meteorological Society Annual Meetings, 1985, 1989, 1993, 1994, 1995, 1996, 1997, 1998, 1999.  
 Advisor, ISU Student Organization - LDSSA, 1981- 1998.  
 Agronomy Senator, I.S.U. Faculty Senate, 1987-1992  
 Member, USDA-APHIS, IPM Steering Committee, 1985-1988

Member NASA - Mission to Planet Earth Applications Committee, 1994-1996  
 Peer Review Committee Member for USDA Entomology, 1989-1993  
 Peer Review Committee Member for Utah State University Plant Science Department, 1995-1996  
 Chair, Technology Transfer Committee (Computer Committee), Agronomy, 1987-1994  
 Member, Equipment Committee, Agronomy, 1979-1993  
 Session Chair, Agroclimatology and Agronomic Modeling, American Society of Agronomy Annual Meeting, 1984  
 Member, University Computer Committee, 1988-1991  
 Member, College of Agriculture Technology (Computer) Committee, 1988-1994  
 Member, College of Agriculture Planning Committee - Brenton Center, 1991-1993  
 Chair, Iowa Crop Improvement Association, Masters Growers Contest, 1989-1995  
 Member, ISU IPM Pest Management Task Force, 1979-1989  
 Member, Iowa Crop Condition Task Force (Office of the Governor), 1988-1998  
 Member, Secretary of Agriculture Drought Advisory Team, 1988-1989  
 Technical Advisor, Advances in Electronics at Living History Farms, 1984-1989  
 Member, Ames City/ISU Joint Flood Management Task Force, 1993-1998  
 Chair, Climate Change Task Force, Iowa Academy of Science, 1998-2002  
 Chair, Awards Committee, Agronomy (2004)  
 Member ISU Museums advisory council (2001-present)

#### **F. Private Consulting (selected)**

Stauffer Chemical: Computer methods in seed production advisory information generation. (1979-1982)  
 Dow Chemical: Computer graphics for assessment of geographical area of risk in crop production and protection. (1984-1986)  
 Grass Roots Inc.: Application of computer network technology in acquisition and dissemination of information crucial to agricultural production and marketing. (1984-1987)  
 Dow Chemical: Computer assessment of the fate of soil-applied nitrogen. (1992-1996)  
 Forensic Meteorologist: Mid-west legal consultants. (1984-present)  
 U S Energy Services Inc. Weather impact on energy demand and supply (1994-present)

#### **G. Membership in Honorary and Professional Societies**

Gamma Sigma Delta  
 Phi Kappa Phi  
 Sigma Xi  
 Ecological Society of America (Physiological Ecology/Education section)  
 American Institute of Biological Science (member of committee for BioMeteorological Instrumentation, 1968-1972)

American Society of Agronomy  
 American Meteorological Society  
 Crop Science Society of America  
 Iowa Academy of Science

## **H. Awards and Honors**

Who's Who in Science Education

Who's Who in the Midwest

Raymond and Mary Baker Agronomic Excellence Award, 1981

Extension Meritorious Service Award, ISU Extension, 1989

Centennial Medalist, Phi Kappa Phi, 1997

Iowa Regents Award, 2000

American Agricultural Economics Association, Outstanding Extension Contribution (National),  
 co-recipient, 2000

Distinguished Service to Agriculture, 2003 (by Iowa Farm bureau, 3 ISU professors have  
 previously received this honor: William G. Murray 1987, Neil E. Harl 1992,  
 Louis Thompson 1995.

Gamma Sigma Delta Extension Award of Merit, ISU Chapter April 13, 2004.

Outstanding Presentation Award, National No-tillage Conference 2007.

Carl F. Hertz Distinguished Service in Agriculture Award (National), American Society of  
 Farm Managers and Rural Appraisers. Oct. 2014

## **I. Teaching (example)**

Agronomy 206, Introduction to Weather and Climate (Sample year 1997)	Sec. 1	372 students			
	Sec. 2	36 students			
	XM	56 students			
	XN	3 students			
	XO	12 students			
Agronomy 503, Climate and Crop Growth	Sec. 1	20 students			
Agronomy 508, Biophysical Crop Ecology	Sec. 1	15 students			
Agronomy 541, Applied Agricultural Meteorology	Sec. 1	12 students			
Teaching assignments:	Agronomy 206	F	S	SS	1996-2008
	Agronomy 503	F		SS	1998-2013
	Agronomy 508	F			1980-2014
	Agronomy 541	F	S	SS	1995-2014

Introduction to Crop Growth Modeling, 1990, Central Arid Zone Research Institute, Jodhpur, India.

Introduction to Meteorology, 1996-2008, *Iowa State University*.

*Biophysical Crop Ecology (resource capture modeling)*, 1980- present, *Iowa State University*

*Applied Agricultural Meteorology*, 1995-present, *Iowa State University*

*Microcomputer Methods in Agronomy*, 1982-1997, *Iowa State University*

Advanced Agricultural Meteorology and Modeling, 1984- present, *Iowa State University*

## **J. Graduate Student Advising and Committees (since 1988) [partial listing]**

1988 – Yunus Gul (M.S.); Yimei Guo (Ph.D.); Mohammad H. Memar (Ph.D.); Carmen Milla (Committee – Ph.D.); Robert Stefanski (M.S.); Jerome Fast (Committee – Ph.D.); Steven Finley (Committee – M.S.); William Hendrix (Committee – Ph.D.); Xiadyue Li (Committee – Ph.D.); Mohamad Mousli (Committee – Ph.D.); Julie Rursch (Committee – M.S.)

1990 – Hanzhong Zang (Ph.D.); Mahmoud Ali (Committee – M.S.); Mohamad Mousli (Committee - Ph.D.); Richard Turner (Committee – Ph.D.)

1994 – Dennis Todey (Committee – Ph.D.)

1996 – Paul Castleberry (Committee – Ph.D.); Wenying Du (Committee – Ph.D.); Leonor Leandro (Committee – Ph.D.); Jinmei Shen (Committee – Ph.D.); Cheryl Walley (Committee – M.A.)

1998 – Daniel Nelson (Committee – Ph.D.)

2000 – Steve Anthofer (M.S.); Kwang-Soo Kim (M.S.); Paul Esker (Committee – M.S.)

2001 – Darren Miller (M.S.); Kwang-Soo Kim (Ph.D.); Scott Robinson (M.S.); Jean Batzer (Committee – Ph.D.); Jin-Ho Yoon (Committee – Ph.D.)

2002 – Ryan Stewart (Committee – Ph.D.); Qi Jiang (M.S. Co-Chair)

2003 – Ryan Stewart (Committee – Ph.D.); Qi Jiang (Committee – Ph.D.); Kwang-Soo Kim (Chair-Ph.D.)

2004 – Ryan Stewart (Committee – Ph.D.); Qi Jiang (Committee – Ph.D.); Kwang-Soo Kim (Chair-Ph.D.)

2005 - Ryan Stewart (Committee – Ph.D.); Qi Jiang (Committee – Ph.D); Paul Esker (Committee-Ph.D.), Correia, James Jr. (Committee-PhD), Duttweiler, Katrina Beth (Committee-MS), Kabela, Erik David (Committee-MS), Ramler, Ivan Peter (Committee-MS), Rursch, Julie Ann (Committee-MS), Tsay, Jenq-Dar (Committee-MS), Wang, Shih-Yu (Committee-MS).

## **K. Publications**

### **Books and Educational Products**

1. Taylor, S. E. 1980. Profit Programmer (Manual and Instruction Course in Computerized Methods for Optimizing Profits in Agronomy). Westport, CT: Stauffer Chemical Co.
2. Brewer, R. N., C. A. Flood, Jr., S. E. Taylor, J. L. Koon, and M. White. 1981. Solar applications in agriculture. Philadelphia, PA: The Franklin Institute Press.
3. Taylor, S. E. 1982. Green Plan - Computerized. Farm Service Coop.
4. DeWitt, J., and S. E. Taylor. 1984. IPM Decision Guide. Iowa State University Cooperative Extension Service, IPM-22, 114 pp.
5. Taylor, S. E. 1984. Crop Management Computerized Methods, Vol. I. Crop production. Logan, UT: FarmComp. 56 pages.
6. Taylor, S. E. And Larry K. Bond. 1986. Crop and Livestock Production: Computerized Methods. Unit 1 - Corn Production. Logan, UT: FarmComp. 56 pages.
7. McGee, Dennis, and S. E. Taylor. 1987. A Corn Path, a Computerized Compendium of Diseases of Corn. Am. Soc. of Phytopathology.
8. Killorn, R. J., and S. E. Taylor. 1994. Fate of Anhydrous Ammonia in Iowa Soils. A Computer Method for the Estimating of Nitrogen Loss. Cooperative Extension Service, Iowa State University, Ames, IA. 40 pp.
9. Taylor, S. E. 1998. The Effect of Weather on Crops and Crop Production. Teaching Guide, Work Book and 2hr. Video. Agronomy Extension Education, Iowa State University. pp56.
10. Taylor, S. E. 1998. Introduction to Climate and Weather. Student paced course for Agronomy/Meteorology 206, Video (42 hours), Student Manual (150 pp.), and Student Learning Exercises. Iowa State University Distance Education Program, Ames.
11. Taylor, S. E. 1998 Applied Agricultural Meteorology. Student paced course for Agronomy 541. Video (28 hours), Student Manual (410 pp.), Student Work Sheets. Iowa State University Distance Education Program, Ames.
12. Taylor, S. E. and D. P. Todey, 1999. Climate and Crop Growth. Student paced course for Agronomy 503. Computer CD with illustrated text, Interactive training exercises, Animation and Audio selections. Master of Science in Agronomy, Iowa State University Distance Education Program, Ames.

### Book Chapters

Taylor, S. E. 1974. An optimal Leaf Form, in Chapter 5 in David M. Gates, et al., Ed, Perspectives in Biophysical Ecology. New York: Springer-Verlag, pp. 73-86.

Taylor, S. E. and J. A. Andresen. 1999. Climate Change: Impacts on Grain Yields, Price Variability, and Risk Management. Chapter 2 in Managing Risks and Profits, Tutorial and Software, E. N. Blue. Ed. Ohio State University.

### Technical Publications

1. Gates, D. M., R. Alderfer, and S. E. Taylor. 1968. Leaf temperatures of desert plants. *Science* 159:994-5.
2. Taylor, S. E., and D. M. Gates. 1970. Some field methods for obtaining meaningful leaf diffusion resistances and transpiration rates. *Oecol. Plant.* V:103-112.
3. Taylor, S. E. 1971. Ecological implications of leaf morphology considered from the standpoint of energy relations and productivity. Ph.D. dissertation, Washington University, St. Louis, MO. 192 pp.
4. Taylor, S. E., and O. J. Sexton. 1972. Some implications of leaf tearing in Musaceae. *Ecology* 53(1):143-149.
5. Taylor, S. E., and L. E. Williamson. 1973. Satellite calibration site has brightness equivalent to clouds. *Bull. Am. Met. Soc.* 54(6):551.
6. Taylor, S. E. 1973. Solar radiation measurements at White Sands satellite calibration site. In Proceedings of Symposium on Solar Radiation—Measurements and Instrumentation, Smithsonian Institution, Radiation Biology Laboratory, pp. 394-413, Washington, D.C. 481 pp.
7. Taylor, S. E., D. R. Davis, and R. E. Jensen. 1975. Satellite technology improves freeze warnings. *Proceedings Florida State Horticultural Society* 88:55-60.
8. Taylor, S. E. 1975. Optimal Leaf Form. In Gates, D. M. 1975. Perspectives of Biophysical Ecology. Springer-Verlag New York Inc. pp 73-86.
9. Taylor, S. E., and R. Getz. 1976. Solar energy for poultry and livestock production: Meteorological data collection and application. Proceedings of Symposium on Use of Solar Energy, Auburn University. 140 pp.

10. Taylor, S. E., J. M. Davis, and J. Mason. 1977. Measuring soil surface moisture with a laser sensing device. U.S. Army Technical Report, Atmospheric Sciences Laboratory, White Sands, New Mexico.
11. Taylor, S. E. 1978. Acquisition and use of meteorological data for evaluation of solar energy collection systems. Proceedings 3rd Southeast Conference on Application of Solar Energy, University of Alabama, Huntsville.
12. Taylor, S. E. 1979. Measured emissivity of soils in the southern United States. *Remote Sensing of Environment* 8:359-364.
13. Taylor, S. E., and D. R. Davis. 1979. A measurement of air temperature near the ground. World Meteorological Organization. CagM Report No. 3. Geneva. 21 p.
14. Davis, J. M., and S. E. Taylor. 1980. Leaf physiognomy and climate: A multivariate analysis. *Quaternary Research* 14:337-348.
15. Taylor, S. E. 1983. The resistance of agricultural pests to control measures. Contributing author to CAST Report No. 97.
16. Domino, R. P., W. B. Showers, S. E. Taylor, and R. H. Shaw. 1983. A spring weather pattern associated with suspected black cutworm moth (*Lepidoptera:Noctuidae*) introduction to Iowa. *Environ. Entomol.* 12:1863-1871.
17. Yun, J. I., and S. E. Taylor. 1986. Adaptive implications of leaf thickness for sun- and shade-grown *Abutilon theophrasti*. *Ecology* 67(5):1314-1318.
18. Milla, C., D.C. McGee, and S.E. Taylor. 1989. Improvement of the Pod Test Predictive Method for Phomopsis Seed Decay of Soybeans. *Iowa Seed Science* 11:1-5
19. Showers, W. B., R. B. Smelser, F. Whitford, A. J. Keaster, J. F. Robinson, J. D. Lopez, and S. E. Taylor. 1989. Recapture of marked black cutworm (*Lepidoptera: Noctuidae*) males after long-range transport. *Environ. Entomol.* 18:447-458.
20. Showers, W. B., F. Whitford, R. B. Smelser, A. J. Keaster, J. F. Robinson, J. D Lopez, and S. E. Taylor. 1989. Direct evidence for meteorologically driven long-range dispersal of an economically important moth. *Ecology* 70:987-992.
21. Reinke, B. C., and S. E. Taylor. 1991. Historical climate data management for agriculture; a microcomputer-based methodology. *Computers and Electronics in Agriculture* 5:297-304.



22. Smelser, Richard B., William B. Showers, Robert H. Shaw, and S. Elwynn Taylor. 1991. Atmospheric trajectory analysis to project long-range migration of black cutworm (Lepidoptera: Noctuidae) adults. *J. Econ. Entomol.* 84:880-885.
23. Yun, J. L., M. J. Lauer, and S. E. Taylor. 1991. Role of mesophyll morphology in determination of leaf photosynthesis in field grown soybeans. *Korean J. Crop Sci.* 36(6):560-567.
24. Engelken, L. K., W. B. Showers, and S. E. Taylor. 1991. Weed management to minimize black cutworm damage in no-till corn. *Journal of Economic Entomology* 83(3):1058-1063.
25. Kephart, K. D., D. R. Buxton, and S. E. Taylor. 1992. Group of C<sub>3</sub> and C<sub>4</sub> perennial grasses under reduced irradiance. *Crop Sci.* 32:1033-1038.
26. Gleason, M. L., S. E. Taylor, T. M. Loughin, and K. J. Koehler. 1994. Development and validation of an empirical model to estimate the duration of dew periods. *Plant Dis.* 78:1011-1016.
27. Carlson, R. E., D. P. Todey, and S. E. Taylor. 1996. Midwestern corn yield and weather in relation to extremes of the Southern oscillation. *J. Prod. Agric.* 9(3):347-352.
28. Taylor, S. E. 1996. Possible influence of global warming on climate variability in the central United States. p. 350. *In Agricultural and Forest Meteorology Symposium*, American Meteorological Society, Atlanta, Georgia.
29. Huerd, S. C., and S. E. Taylor. 1998. Leafy spurge (*Euphorbia esula* L.) spread in Iowa. *Jour. Iowa Acad. Sci.* 105(1):27-29.
30. Yun, J. I., and S. E. Taylor. 1998. Modeling soil temperature of sloped surfaces by using a GIS technology. *Korean Society of Crop Science* 43(2):113-119.
31. Taylor, S. E. 1999. Functional crop production models and mega-trends of climate. *Revista de Ciencias Agrarias* 22(1):17-32.
32. Todey, D. P., R. E. Carlson, and S. E. Taylor. 1999. ENSO and soil moisture effects on corn yields in the Midwest. Abstract: *Apl. Clim.* 79<sup>th</sup> Am. Meteor. Soc. Meeting, Dallas.
33. Lau, Y.F., M.L. Gleason, N. Zriba, S.E. Taylor, P.N. Hinz. 2000. Effects of coating, deployment angle, and compass orientation on performance of electronic wetness sensors during dew periods. *Plant Dis.* 84:192-197
34. Gleason, M. L., S. E. Taylor, R. Villalobos, L. F. Arauz, and K. S. Kim. 2001. Assessment

of the accuracy of site-specific estimates of rainfall, air temperature relative humidity, and wetness duration in the northern Pacific region of Costa Rica. *Agronomía Costarricense* 25(2):45-55.

35. Kim, K. S., S. E. Taylor, M. L. Gleason, and K. J. Koehler. 2002. Optimal weather variables for estimation of leaf wetness duration using an empirical method. *Korean Journal of Agricultural and Forest Meteorology* 4(1):23-28.
36. Kim, K. S., S. E. Taylor, M. L. Gleason, and K. J. Koehler. 2002. A model to estimate site-specific estimation of wetness duration using a wind speed correction. *Plant Disease* 86:179-185.
37. Madeira, A. C., K. S. Kim, S. E. Taylor, and M. L. Gleason. 2002. A simple cloud-based energy balance model to estimate dew. *Agricultural and Forest Meteorology* 111:55-63.
38. Nutter, F.W., R. R. Rubsam, S. E. Taylor, J. A. Harri, and P. D. Esker. 2002. Use of geospatially-referenced disease and weather data to improve site-specific forecasts for Stewart's disease of corn in the U.S. corn belt. *Computers and Electronics in Agriculture* 3:7-14.
39. Taylor, S. Elwynn. 2002. Climate trends and agricultural management. pp. 1-9 *in* Proceedings of the 1<sup>st</sup> Agricultural Drainage Field Day, University of Minnesota, Lamberton, MN.
40. Kim, K.S., Taylor, S.E., Gleason, M.L., 2003. Estimation of Leaf Wetness Duration Using Empirical Models in Northwestern Costa Rica. Fifth Conference of Agricultural and Forest Meteorology, The Korean Society of Agricultural and Forest Meteorology, Suwon, Korea. pp.54-57
41. Kim, K.S., Taylor, S.E., and Gleason, M.L. 2004. Development and validation of a leaf wetness duration model using a fuzzy logic system. *Agricultural and Forest Meteorology* 127 (2004) 53-64.
42. Kim, K. S., Taylor, S. E., Gleason, M. L., Villalobos, R., and Arauz, L. F. 2005. Estimation of leaf wetness duration using empirical models in northwestern Costa Rica. *Agricultural and Forest Meteorology* 129:53-67.
43. Taylor, S. Elwynn, 2006. Environmental Implications of an Increasingly Erratic Climate. *Korean Journal of Agricultural and Forest Meteorology* 8(1):22-27
44. Kim, K. S., M. L. Gleason, and S. E. Taylor. 2006. Forecasting Site-Specific Leaf Wetness

Duration for Input to Disease-Warning Systems. *Plant Disease* 90(5):650-656.

45. Gleason, M. L., Duttweiler, K. B., Batzer, J. C., Taylor, S.E., Sentelhas, P.C., Monteiro, E.B.A., Gillespie, T.J., 2008. Obtaining Weather Data for Input to Crop Disease-warning Systems: Leaf Wetness, Duration as a Case Study. *Sci. Agric. (Braz.)* v.65, special Issue, p76-87, December 2008.
46. Batzer, J.C., **Gleason, M.L.**, Taylor, S.E., Koehler, K.J., and Monteiro, J. E. B. M. 2007. Spatial heterogeneity of leaf wetness duration in apple trees and its influence on performance of a warning system for sooty blotch and flyspeck. *Plant Disease*:

#### Extension/Educational Publications and Abstracts

1. Taylor, S. E. 1968. The clouds of the climatron. *Mo. Botanical Garden Bull.*, OVI, No. 4, 21-22.
2. Taylor, S. E. 1969. The redbud, adaptation for survival. *Mo. Botanical Garden Bull.*, LVII, No. 4, 8-10.
3. Taylor, S. E. 1970. Tattered banana leaves. *Mo. Botanical. Garden Bull.*, LVIII, No. 5, 14-17.
4. Taylor, S. E., and G. Pingel. 1971. Asphalt and artificial turf. *Mo. Botanical Garden Bull.*, LXIX, No. 1, 26-29.
5. Taylor, S. E., and G. Pingel. 1971. Green grass that's not so green. *New York Times*, April 11.
6. Taylor, S. E. 1978. Solar radiation: Shedding some light on the subject. Technical Note, National Weather Service, Southern and Western Regions, 7 pp.
7. Creswell, John L., and S. E. Taylor. 1979. Soybean yield contest. Iowa State University Extension, AG-100(3)-TI, 5 pp.
8. Creswell, John L., and S. E. Taylor. 1979. Corn Yield Contest. Iowa State University Extension, AG-100(4)-TI, 5 pp.
9. Taylor, S. E. 1979. Field Population. Iowa State University Extension Service, AG-100(5)-TI, 2 pp.
10. Taylor, S. E. 1979. Field Size: Acre/hectare for rectangular fields. Iowa State University

Cooperative Extension Service, AG100(6)-TI, 3 pp.

11. Taylor, S. E., J. M. Laflen, and M. Amemiya. 1979. Soil erosion of corn fields: Quantitative estimate. Iowa State University Cooperative Extension Service, AG-100(7)-TI, 5 pp.
12. Benson, G. O., and S. E. Taylor. 1979. Influence of climate and weather on potential pollution. Iowa State Cooperative Extension Service Report Pm-901b, 4 pp.
13. Taylor, S. E., and R. D. Voss. 1980. Soil: Agricultural lime recommendation. Iowa State University Cooperative Extension Service, AG-100(8)-TI, 6 pp.
14. Taylor, S. E., R. H. Shaw, and G. O. Benson. 1980. Corn: Early freeze yield reduction. Iowa State University Cooperative Extension Service, AG-100(9)-TI, 5 pp.
15. Taylor, S. E. 1980. Growing degree days: Weather Service method. Iowa State University Cooperative Extension Service, AG-100(10)-TI, 3 pp.
16. Taylor, S. E., and M. Amemiya. 1980. Universal soil loss equation. Iowa State University Cooperative Extension Service, AG-100(11)-TI, 12 pp.
17. Taylor, S. E. 1980. Corn: Estimate of yield. Iowa State University Cooperative Extension Service, AG-100(12)-TI, 5 pp.
18. Taylor, S. E. 1980. Agricultural climatology in integrated pest management. Iowa State University Cooperative Service, EC-1498h, 3 pp.
19. Vincent, G. B., D. C. Seebach, and S. E. Taylor. 1981. Economics of alternative tillage systems. Iowa State University Cooperative Extension Service, AG-100(13)-HP, 12 pp.
20. Taylor, S. E. 1980. Center pivot irrigation for applying pesticides and fertilizer. Iowa State University Cooperative Extension Service, AG-100(14)-HP, 5 pp.
21. Taylor, S. E., and G. O. Benson. 1980. Corn: Yield for reduced stand or for date of planting. Iowa State University Cooperative Extension Service, AG-100(15)-HP, 5 pp.
22. Taylor, S. E., and J. L. Michael. 1980. Iowa crop--pest--weather information system. Abstract in Proceedings, American Society of Agronomy, Madison, Wisconsin.
23. Taylor, S. E. 1980. Utility of differential leaf and air temperature measurements in determining plant water stress. Abstract in Proceedings, American Society of Agronomy, Madison, Wisconsin.

24. Benson, G. O., J. Cresswell and S. E Taylor. 1981. Corn: Selection of the more profitable hybrid. Iowa State University Extension Service, AG-100(16)-HP, 3 pp.
25. Taylor, S. E., and R. Voss. 1981. Fertilizer: Least cost blending. Iowa State University Cooperative Extension Service, AG-100(17)-HP, 11 pp.
26. Taylor, S. E. 1981. Computers for fertilizer and agricultural chemical operations. Proceedings of 33rd Annual Fertilizer and Agricultural Chemical Dealers Conference, CE-1602L.
27. Taylor, S. E., R. E. Foster, and J. J. Tollefson. 1981. Corn rootworm beetle: Sequential sampling. Iowa State University Cooperative Extension Service, IPM 200(8)-HP, 5 pp.
28. Taylor, S. E. 1981. Pest control and computers. Proceedings of the 33rd Illinois Custom Spray Operators Training School, pp. 52-55.
29. Taylor, S. E. 1981. Weather and pest management. Proceedings of the 33rd Illinois Custom Spray Operators Training School, pp. 91-94.
30. Taylor, S. E. 1982. How weather affects Iowa's crops. Iowa Seed Association, Proceedings of 80th Annual meeting. 22 pages.
31. Taylor, S. E. 1982. Micro-computers in agricultural decision making. Proceedings of Conference in Agriculture, Moscow, Idaho. 15 pages.
32. Taylor, S. E., and J. M. Skadburg. 1982. Feeding cattle to higher grade. Cooperative Extension Service M-1201(1)-HP: 1.
33. Taylor, S. E., and Unknown Author. 1982. Economics of feeding hogs to heavier weight. Cooperative Extension Service M-1201(2)-HP: 1.
34. Taylor, S. E., and J. M. McGrann. 1982. Gross margin equating formula for corn and an alternative crop. Cooperative Extension Service FM-1730(17)-HP: 1.
35. Taylor, S. E., and E. J. Stevermer. 1982. Gestation and Livestock Management Calendar. Cooperative Extension Service AS-445(222)-HP: 2.
36. Taylor, S. E., and W. Wangsness. 1982. Cost comparison for fertilizer application. Cooperative Extension Service FM-1730(38)-HP: 1.
37. Taylor, S. E., and E. Stevermer. 1982. Adequacy of swine ration. ISU Extension Service

- AS-445(210)-HP: 2.
38. Taylor, S. E., and E. J. Stevermer. 1982. Swine ration analyzer. ISU Extension Service AS-445(210)-HP: 2.
  39. Taylor, S. E., and W. Edwards. 1982. Rental terms for cropland. ISU Cooperative Extension Service FM 1730(41)-HP: 2.
  40. Taylor, S. E., and W. Edwards. 1982. Farm loan analysis: Installment loans. ISU Cooperative Extension Service FM-1730(15)-HP: 2.
  41. Taylor, S. E., W. Edwards, and E. Ozkan. 1982. Machinery capacity and fuel consumption analysis. ISU Cooperative Extension Service AE-1099(4)-HP: 2.
  42. Taylor, S. E., P. J. Holden, and E. J. Stevermer. 1982. Ration analysis and formulation for swine and poultry. ISU Cooperative Extension Service AS-445(220)-HP: 4.
  43. Taylor, S. E., J. McGrann, and W. Edwards. 1982. Combine ownership or custom hire. After-tax cost. ISU Cooperative Extension Service FM-1730(16)-HP: 2.
  44. Taylor, S. E., J. McGrann, and D. L. Williams. 1982. Measuring soybean harvesting losses. ISU Cooperative Extension Service AE-1099(3)-HP: 1.
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109. Miller, Darren, S. E. Taylor, R. W. Arritt, D. P. Todey, and P. J. Sherman. 2003. An Aridity Index as a tool for Mid-Season Evaluation of Midwest Corn Yield. Poster presentation. 19<sup>th</sup> International Conference on Interactive Information Processing Systems for Meteorology, Oceanography, and Hydrology. 2003AMS Annual Meeting, 9-13 February 2003, Long Beach, CA.
110. Taylor, Elwynn. 2003. Managing Weather Risk. In Marketing Outlook & Strategies. Farm Credit Services of America. January 9, 2003.
111. Taylor, S. E. 2003. Climate Trends and Agricultural Management. Proceedings of the Southwest Nutrition & Management Conference, February 20-21, University of Arizona, Phoenix, Arizona. Pp. 73-81.

## L. Invited Presentations

2003 (selected regional/national presentations):

Feb. 4, 2003 Technical Presentation, "Crop Weather Risks" 9am, Cargill Production School, Houston, TX.

Feb. 21, 2003 General Presentation, "Weather and Livestock Production," 11am, National Dairy Nutrition Conference, Tempi, AZ.

Mar. 4, 2003 Key Note Presentation, "Long-Term Weather Patterns and No-Till Farming," 12pm, National No-Till Conference, Des Moines, IA.

Apr. 10, 2003 Key Note Presentation, "6 Leading Weather Indicators," 9am, SD Bankers Commercial Credit Conference, Pierre SD.

Jun. 12, 2003 Workshop (3 hr), "Management of Weather Risk," Texas Extension Service, Lubbock, TX.

Jun. 23-28, 2003, Seminar (90 min), "Weather Outlook for Production and Marketing," Brock Associates Inc., Indianapolis, IN, Bloomington, IL, Grand Island, NE, Nevada, IA.

Nov. 11, 2003 Key Note Presentation, "Weather Outlook for Agriculture," 8 AM, ABA National Agricultural Bankers Conference, San Antonio, TX.

2004\* (all invited presentations):

1/5/2004	7pm	Iowa City	Jim Jensen	165
1/6/2004	10am	Burlington Safty conf	Gwyn	30
1/9/2004	5pm	Agron 493	Eric Hoiberg (panel)	
1/9/2004		Agron 493	ET cost recovery	
1/9/2004		Agron 493	Agron Fales	
1/9/2004	noon	Des Moines no till	Frank Lessiter	703
1/19/2004	9am	Thompson IA	Jim Franzen	85
1/22/2004		IA Crop Advntg.	Brent Prig.	1560
1/23/2004	8am	Farm Bureau DSM	Denny Harding	20
1/26/2004	1pm	Auburn, NE	Ruth Gerdes	67
1/28/2004	1pm	St.Louis, MO	Wayne Stuedeman	321
1/29/2004	1pm	Ft. Dodge, IA	Ladlie attn. B Boone	87
1/30/2004	11am	Marshall Town	Naomi Maahs	87
1/31/2004	2pm	Storm Lake	Marilyn	76
2/4/2004	9am	Madison WI	Nancy Kavazanijan	230
			Bob Wells 641-673-	
2/5/2004	1pm	Oskaloosa	5841	19

2/5/2004	7pm	Burlington	Jim Jensen	128
2/6/2004	6am	Mt Pleasant	Jim Jensen	23
2/9/2004	10am	Tampa, FL	Rich Tiller	228
2/10/2004	10am	Atlantic IA	Bob Williams	52
2/11/2004	10am	St Peter MN	Ed Usset	56
2/12/2004	11am	Chicago IL	Jim Graham	57
2/17/2004	11am	Indianapolis IN	Paul Carter	342
2/18/2002	1pm	Ames	S.Barnhart/M.Owen	146
2/20/2004	10am	Cincinnati	Mike Klein	214
2/21/2004	1pm	Indianola IA	Cathy Nutting	48
2/23/2004	1pm	LeMars IA	Ron Lorenzen	372
2/24/2004	8am	Lincoln HS DSM	Ace Hendricks	23
2/25/2004	10am	Nevada, IA	Dave Andrews	46
2/25/2004	6pm	Mt Ayr IA	Kim Greenland	84
2/27/2004	1pm	Cedar Falls	Craig Chase	121
3/2/2004	1pm	Vernon TX	Mark Waller	65
3/5/2004	10am	Waverly IA	Shannon Grooms	74
3/8/2004	7pm	Indianola IA	Jeff Labertew	34
3/9/2004	12pm	Grinnel	John Tomasic	28
3/9/2004	3pm	Kinze Eq.	Cole Murray	28
3/9/2004	7pm	Linnville	Debbie VanArkel	65
3/10/2004	6pm	Conrad	Ann Smith	58
3/11/2004	1pm	Ft. Dodge, IA	Ladlie attn. B Boone	84
3/14/2004	2pm	Red Oak IA	Betty McKenzie	58
3/15/2004	1pm	Johnston, IA	Dave Harwood	72
3/17/2004	9am	Ames, IA	Ron Ziggafos	162
3/17/2004	4pm	Moline, IA	Field Speicalists	149
3/18/2004	6pm	Kankanee, IL	Chad Miller	82
3/22/2004	10am	Ames	Ann Winkel	322
3/22/2004	7pm	Geneso	Katie Boruff	71
3/23/2004	7pm	Audubon	Gayle Klever	41
3/24/2004	10am	Pocahontas	Nancy Jenson	66
3/25/2004	7am-3pm	Sioux City, IA	E. High	182
3/29/2004	9am	Waterloo	Glen Ring	212
3/31/2004	7am	Osage	Neil Wubben	38
4/1/2004	4pm	Storm Lake	Steve Tonsfeldt	214
4/3/2004	10am	Des Moines	eii 85mi	18
4/7/2004	2pm	Kearney,NE	Ron Arrigo	270
4/13/2004	3pm	Des Moines, IA	HS	32
4/16/2004	3pm	Scheman Ames	Patti Wright	89
4/19/2004	8am	L-M HS Marion IA	HS	41
4/22/2004	10am	Marriott Wichita, KS	Chuck Stones	451
4/24/2004	9am	Sci. Fair Mankato		138
5/6/2004	1pm	Richland, WA	Ms Dauble	23
5/12/2004	7:30am	Ames	Bill Bathe	156
6/3/2004	10am	Bloomington IL	Tiller Group	312

6/10/2004	1pm	Dallas TX	Mark Waller	47
6/16/2004	1pm	StFrancisville, IL	Chuck Hill	216
6/17/2004	7pm	Moline, IL	DeAnne Bloomberg	29
6/17/2004	10:30am	Crawfordsville, IA	J. Fawcett	214
6/21/2004	8:30am	Gilbert (country c)	Jim Smith	19
6/28/2004	10:30am	IN, IL, IA	Brock assoc.	679
6/30/2004	9:30am	Cherokee	Mark Honeyman	361
7/13/2004	11am	Hamburg, IA	Mike Welch	37
7/15/2004	11am	Lake View, IA	Mike Welch	68
			Jess Lowenberg-	
7/20/2004	11am	Purdue	DeBoer	172
7/21/2004	9am	Atty General DSM		14
8/18/2004	4am	WDC	Pam O'Dell	48
8/24/2004	4pm	Pekin, IL	Kevin	37
8/26/2004	9am	Boone, IA	Farm Show	306
9/2/2004	11am	Lincoln, NE		457
9/9/2004	3pm	Carroll/Cedar Rapids,	Ed Kordick	214
9/16/2004	11am	Lincoln, NE	Ron Arrigo	416
9/17/2004	11am	Denver CO	Janet Schoniger	19
9/18/2004	7pm	Mason City, IA	Dave Justrand	86
9/22/2004	7pm	Ossian, IA	Dale Smith	214
9/28/2004	10am	Johnston, IA	NWS-	7
10/12/2004	10am	Pioneer, Johnston	Lynee Draisey	26
10/5/2004	9am	US Energy	conf. Call	28
10/19/2004	9am	Agri-bank	Allene Walz	442
10/28/2004	9:45am	Lafayette, LA	Meila Stone	244
11/12/2004	8:30am	Davenport, IA	C. Haynes	114
11/13/2004	4pm	Dubuque, IA	Carl Bolwinkel	48
11/23/2004	9am	Yakima, WA	Mr. Paredes	37
11/29/2004	8pm	Bloomington IL	Channel Bio Corp	365
11/30/2004	7pm	Lynnville, IA	John Tomasic	82
12/10/2004	9am	Sioux Falls, SD	Brian Hefty	238
12/16/2004	9am	Rock Port, MO	Wally Riebesell	96

## 2005\*:

1/3/2005	8am	Jewell, IA	HS visit	16
1/4/2005	2pm	Osceola, IA	Wade Wood	46
1/6/2005	9am	Burlington, IA	Kristen Porter	83
1/6/2005	1:30pm	Cedar Rapids	Crop Advantage	199



1/11/2005	9:30am	Cedar Rapids	S. Knoepke	297
1/11/2005	2pm	Waverly IA	S. Gomes	127
1/12/2005	11am	Carroll, IA	Crop Advantage	173
1/12/2005	2pm	Boone, IA	Rich Wrage	16
1/13/2005	1pm	Scottsdale, AZ	Wayne Stuedeman	80
1/17/2005	0	Breeze product	Steven Johnson	840
1/18/2005	7pm	Neola	Joe Turner	59
1/18/2005	7pm	Neola	Joe Turner	
1/19/2005	1pm	Ft. Dodge, IA	John Holmes	233
1/20/2005	10:30am	Waterloo	Craig Chase	62
1/20/2005	7pm	Centerville, IA	Greg Mauley	57
1/24/2005	1pm	Auburn, NE	Ruth Gerdes	67
1/26/2005	10am	Hills, IA	Bob Wells 641-673-5841	235
1/27/2005	9am	WI Dells, WI	Nancy Kavazanjian	737
1/29/2005	9am	Dubuque, IA	eii 375mi	38
2/2/2005	1pm	Salt Lake City, UT	Andy Springer	93
2/3/2005	10am	Oskaloosa	High School	77
2/3/2005	1pm	Oskaloosa	Bob Wells 641-673-5841	8
2/3/2005	7pm	Burlington	Chuck Albright	82
2/4/2005	7am	Mt Pleasant	Jim Jensen	18
2/5/2005	1pm	Des Moines	eii	49
2/8/2005	11am	Cherokee	Don Avis	112
2/9/2005	9am	Jackson, MN	Ed Usset	72
2/9/2005	7pm	Conrad	Tama Ex (tri county	22
2/10/2005	2pm	Omaha	Ralph Pilkington	79
2/14/2005	12:30pm	Maquoketa	Christine Cornelius	86
2/15/2005	9am	Newell	DFS Feed	57
2/17/2005	8am	Gainsville, TX	Mark Waller	19
2/21/2005	10:15am	Destin, FL	Brock assoc.	179
2/22/2005	11:30am	Grinnel	John Tomasic	42
2/22/2005	3pm	Victor, IA		67
2/22/2005	7pm	Lynnville, IA	Elizabeth Roberts	82
2/24/2005	11am	Ada, OH	Randal Reader	552
2/25/2005	11am	Elkader, IA	Matt Nosbisch	175
2/28/2005	7pm	Geneseo, IL	Katie Boruff	69
3/1/2005	6:30pm	Newton, IL	Rich Tiller	62
3/4/2005	1pm	Cedar Falls	Craig Chase	96
3/5/2005	7pm	Greenfield, IA	corn/soy	58
3/8/2005	3pm	Sioux Falls, SD	Ron Sorensen	635
3/10/2005	12pm	Kanawa		62
3/10/2005	7pm	Audubon		73
3/11/2005	9am	Hamburg, IA	HS	165
3/11/2005	12pm	Hamburg, IA	Kiwanis	66
3/11/2005	3pm	Shenandoah, IA	Gary Peregine	58
3/12/2005	9am	Lake City, IA	Jerry Chizek	26
3/16/2005	9:45am	Nashua	George Cummins	73
3/16/2005	7pm	Harlan, IA	Terry Torneten	89

3/17/2005	9am	Harlan, IA	Terry Torneten	42
3/19/2005	2:45pm	Fort Worth, TX	C.Johnson 800-242-7820	485
3/21/2005	10:30am	Ames, IA	IA Bankers	340
3/23/2005	9am	Sioux Center, IA	Troy 712-722-4846	162
3/23/2005	12pm	LeMars IA	Don 712-546-2345	354
3/24/2005	10am	Avoca	Wm. Hardisty	46
3/25/2005	7pm	Ames	BSA Weather	7
3/28/2005	7pm	Story City, IA	Library friends	31
3/29/2005	1pm	Baxter, IA	School visit	26
3/30/2005	7am	Osage	Neil Wubben	65
4/2/2005	2pm	WI Dells	Bob Brennan	462
4/5/2005	11am	Lincoln, NE	Doug Kluck NWS	56
4/8/2005	3pm	DeKalb, IL		43
4/9/2005	8:30am	DesMoines, IA	eii	31
4/10/2005	10am	Ames, IA	Campus Pres. Ch.	82
4/14/2005	7pm	Macon Co, IL	Phone Conf	27
4/18/2005	10:45am	GrandView Des Moines	Larry Kallem	12
4/22/2005	11am	Marshall Town		64
4/28/2005	12:30pm	Chicago IL	Bob Kirschner	172
5/13/2005	7:30am	Kansas City, MO	US Energy	214
5/18/2005	1pm	Ames		300
5/20/2005	2pm	Boone, IA	Brenda Hartwig	16
6/1/2005	1pm	WDC	US Crop Ins Board	18
6/14/2005	12pm	Ankeny	<a href="#">Sandra Gartz 4-6136</a>	62
6/14/2005	4pm	DesMoines, IA	Randi Weeks	16
6/16/2005	6pm	Moline, IA	DeAnne Bloomberg	65
6/18/2005	8pm	Hedrek, IA		25
6/21/2005	12pm	Carroll, IA		19
6/22/2005	7pm	Nevada, IA	Susan Radke	23
6/23/2005	11am	New Hampton, IA		32
6/27/2005	10am	Lebanon, IN	Brock assoc.	1037
7/1/2005	8am	Dike, IA	Glen Ring	47
7/19/2005	11am	Purdue	Jess Lowenberg-DeBoer	245
7/26/2005	11:30am	Waterloo	Steve Schmit	42
8/2/2005	1pm	Champaign, IL	NWS-Doug Kluck	54
8/15/2005	12pm	State Fair, IA		200
8/18/2005	1:30pm	Mitchell DakotaFarm fest	Laura Baumeister	439
8/22/2005	7pm	Princeton, IL		68
8/25/2005	10am	Des Moines	AgReliant Inc.	80
8/29/2005	8:30am	Barcelona, Spain	Raj Iragavarapu	72
8/31/2005	11am	Amana. IA	Mark	16
9/1/2005	2pm	Boone, IA	Rich Wrage	280
9/2/2005	11am	Hampton, IA	Travis Miller	39
9/3/2005	6pm	Jefferson, IA		12
9/7/2005	3pm	Cedar Rapids	Ed Kordick	174
9/8/2005	3pm	Carroll	Ed Kordick	83
9/12/2005	7pm	Fayette, IA	Jim Artis	182

9/17/2005	10am	Des Moines, IA		29
9/20/2005	1pm	ISU	Dave Flory	46
9/21/2005	4pm	Scheman Ames	Trede	183
9/22/2005	11am	Jackpot Jct, MN	Robert H. Craven	294
9/29/2005	11am	Sangju, Korea		285
10/4/2005	3pm	Phoenix, AZ	Paul Horel	114
10/6/2005	1:30pm	Johnston, IA	Nancy Boyd	77
10/7/2005	5pm	Red Oak IA	Dick Mullenix	37
10/12/2005	10am	2026 Agron	Ray Arritt's class	21
10/15/2005	3pm	Omaha		23
10/25/2005	7pm	Mitchellville, IA	Cecil Harry charry@heartlandcoop.com	41
10/25/2005		Cincinnati, OH	ADVANCE	32
10/27/2005	9am	Oshkosh, WI	Jeff Horness	0
11/1/2005	1pm	Louisville, KY	Lindsey Thomas	96
11/7/2005	9:30am	Bridger School	Mrs. Hadfield	431
11/15/2005	1pm	Ocean City, MD	Bob Kratochvil	47
11/16/2005	10am	Ocean City, MD	Richard Taylor	44
11/17/2005	1pm	Indianapolis IN	Greg Lake	46
11/28/2005	12pm	ISU	Paula's class	66
11/28/2005	6pm	Council Bluffs	Rick Killion	19
11/30/2005	2pm	Kearney, NE	Wanda Winder	334
12/1/2005	2pm	Scheman Ames	ICM conf	168
12/5/2005		Monroe, LA	Janet Rutledge	500
12/5/2005	12pm	Council Bluffs	Kiwanis	92
12/5/2005	2pm	IA Western Com College	Carol Huffman	51
12/6/2005	1pm	Ames, IA	Chuck Fulk	63
12/9/2005	9:30am	Clear Lake, IA		31
12/9/2005	12:30pm	Northwood, IA		183
12/13/2005	5pm	Sioux Falls, SD	Kathy Zander	168
12/15/2005	1:30pm	Waverly IA	Molly Mace	71
12/15/2005	6:30pm	Lynnville, IA		108
12/16/2005	10:30am	Thompson IA	Roger Olsen	74

Total attendance at invited programs = 16,624

2006\*:

1/4/2006	9:30am	Burlington	CA	54
1/5/2006	9:30am	Cedar Rapids	CA	186
1/6/2006	9am	Burlington	Kristen Akers	155
1/9/2006	1pm	Ames	CA	98
1/10/2006	10am	Hills, IA	Eugene Mohling	93
1/11/2006	9am	Mason City, IA		132
1/12/2006	9:30am	Carroll, IA		128

1/13/2006	2:45pm	Iowa Falls	Darwin Miller	119
1/14/2006	1:45pm	Des Moines		91
1/16/2006	9am	Defiance, OH	Rex Williamson	97
1/17/2006		WI Dells	Kim Philipson	
1/17/2006	9am	Osceola	CA	92
1/18/2006	9am	Ft. Dodge	CA	218
1/19/2006	10am	Spirit Lake	CA	196
1/19/2006	7:30pm	LaMars, IA	Matt Brown	62
1/21/2006	10AM	Monroe, LA	Leo/Janet Rutledge	46
1/23/2006	11:50AM	Oregon, IL	MattGinder	133
1/24/2006		Storm Lake, IA	CA	182
1/25/2006		Waterloo, IA	CA	240
1/25/2006	1:15pm	Cedar Rapids	Mike Dabney	65
1/26/2006	10am	Atlantic, IA	CA	136
1/27/2006	2:15pm	Moorhead, MN	Ed Ussett	121
1/30/2006	10:30am	Waterloo, IA	Craig Chase	31
1/31/2006	8:30	DeKalb, IL	Dan Hueber	167
2/2/2006	9am	Tampa, FL	Mosaic/Tiller	94
2/3/2006	1pm	Treynor	Nick	67
2/4/2006	11am	Mason City, IA	eii	34
2/6/2006	9am	Council Bluffs, IA	Russell Consulting	66
2/6/2006	1pm	Storm Lake, IA	Russell Consulting	58
2/7/2006	9am	Ames-Starlight	Russell Consulting	67
2/7/2006	1pm	Amana-Holiday	Russell Consulting	104
2/8/2006	11am	Cincinnati, OH	Carrie Tibbetts	97
2/9/2006	7pm	Burlington	Jim Jensen	105
2/10/2006	7am	Mt. Pleasant	Jim Jensen	46
2/10/2006	11:30am	Burlington HS	Ben Carter	52
2/13/2006	10:55am	Hamburg HS	Steve Swartout	214
2/13/2006	12pm	Hamburg Kiwanis	Greg Warden	68
2/13/2006		Mankato for 10/27/06	Kim Philipson	
2/14/2006	10:30am	Cedar Rapids	Brad Buchanan	52
2/15/2006	10am	Owatonna, MN	Ed Usset	78
2/16/2006	8:30am	Ogden, IA	Eric Johnson	21
2/16/2006	1pm	Gateway Ames	S L Barnhart	86
2/16/2006	6pm	Scheman Ames	Pat Heitman	142
2/20/2006	11am	Sandestin, FL	Brock assoc.	121
2/21/2006	9am	Ft. Dodge	Gary Willett	86
2/22/2006	12:30pm	Auburn, IN	Greg Lake/Jane Loomis	345
2/23/2006	9am	Ada, OH	Randal Reader	1489
2/27/2006	1pm	Atlantic, IA	Jan Muller	87
2/27/2006	7pm	Audubon	Gayle Klever	106
2/28/2006	7pm	Springbrook, IA	Donna Muhm	74
3/1/2006	7pm	Mankato, MN	Buddy Knepley	40
3/2/2006	9am	Mason City, IA	Julie Fritz	47
3/2/2006	1pm	Cedar Falls	Craig Chase	108
3/2/2006	7pm	Shellsburg, IA	Eric Zumbach (319)228-8221	91

3/3/2006	1pm	Cedar Falls	Craig Chase	93
3/6/2006	7pm	Geneseo, IL	Katie Boruff	121
3/7/2006	12pm	Griinnell, IA	John Tomasic	38
3/7/2006	2:30pm	Kinze Eq.	Curtis Heitshusen	49
3/8/2006	11am	Shenandoah, IA	Gary Peregrine	81
3/8/2006	3pm	Humeston, IA	Greg	41
3/9/2006	1pm	Welton, IA	Virgil Scmitt/Kevin Brown	84
3/9/2006	7:30pm	Decatur, IL foncon		47
3/14/2006	2pm	Ames		123
3/14/2006	6:30pm	Lynnville, IA	Debbie VanArkel	100
3/15/2006	4pm	Storm Lake, IA	Steve Tonsfeldt	354
3/16/2006	6pm	Kankanee, IL	Chad Miller	47
3/18/2006	1pm	Muscatine, IA		108
3/20/2006	10:30am	Scheman Ames	Iowa Bankers	230
3/22/2006	7pm	Harlan, IA	Terry Torneten	167
3/23/2006	8am	Harlan, IA	Terry Torneten	27
3/23/2006	6:30	Emmetsburg IA LCC Sullivan Bros.	Jim Stillman	51
3/28/2006	8am	Waterloo	Glen Ring	86
				138
3/28/2006	5:30pm	Izaak Walton, DSM		218
4/11/2006	7am	Osage		63
4/11/2006	10am	Fredericksburg, IA	Robert Tichner	7
4/12/2006	10am	Greenhills, Ames	Frank Shaller	66
4/12/2006	12pm	Basil, Ames		32
4/19/2006	1:30pm	LDS, Ames	College for Senrs	78
4/27/2006	10am	DSM Sheraton W	Sharie Fett, comptroller	432
5/1/2006	9am	Enterprise MidSchool		213
5/8/2006	12pm	Lynn Co Water conf	Stacie Johnson	86
5/9/2006	2pm	Heady Hall ISU	Edwards	16
5/9/2006	7pm	Waseka, MN		78
5/12/2006	7:30am	Bloomington, MN	Usenergy	231
5/16/2006	9:45am	Newton, IA HS		37
5/16/2006	12pm	Newton, IA	Rotary	124
5/16/2006	2pm	Sully, IA		44
5/17/2006	11:45am	Scheman Ames	Duffy	288
5/18/2006	1pm	Baxter, IA	Betty Peterson	27
5/22/2006	2pm	Ames, IA	ET	2
5/23/2006	12:30pm	DSM, IA	smgartz@iastate.edu	76
6/1/2006	10:30am	Ft. Dodge	extension	222
6/6/2006	11am	WDC		
6/8/2006	7am	Omaha	Kent Vickre NAFBAS	184
6/8/2006	12:30pm	DSM, IA	Jenny Felt, Validus corp.	71
6/8/2006	7:30pm	Story City, IA		22
6/9/2006	12:30pm	DSM, IA	Jenny Felt, Validus corp.	54
6/10/2006	12pm	Clayton, MI	Kathlene Kurowicki	
6/13/2006	10am	Des Moines, IA	Larry Kallem	26

6/17/2006	7am	Treynor	Mary Jorgensen LeRoy Cobia	62
6/18/2006	10am	Plattsmouth, NE	143	
6/19/2006	7pm	Minden, IA	Zach Coffelt	228
6/26/2006	11am	Lafayette, IN	Brock assoc.	265
6/27/2006	11am	Bloomington, IL	Brock assoc.	198
6/28/2006	11am	Omaha	Brock assoc.	182
6/29/2006	11am	Austin, MN	Brock assoc.	127
7/3/2006		Datona 19Jan07	Wayne Stuedeman	
7/13/2006	8am	WI Dells	Upper Midwest Ag jCr. Council	59
7/18/2006	11am	Purdue		97
			NWS-Doug Kluck	
7/19/2006	11:30am	Purdue	59	
8/23/2006	12:30pm	Senica, MI	Kathlene Kurowicki	367
8/29/2006	12pm	Amana	Doug Cooper	37
8/31/2006	11am	Clear Lake	Cbrown@ifbf.org	61
9/1/2006	1pm	Nevada, IA	Cbrown@ifbf.org	87
9/5/2006	1pm	Agron/Met 201	Dave Flory	22
9/6/2006	9am	phone conference	Bill Bathe	23
9/6/2006	11am	Gateway, Ames	Sandra Gartz 4-6136	41
		Chariton, Carpenter		130
9/6/2006	6pm	Hall		
		Lincoln, NE Corn		
9/7/2006	1pm	Husker	Tammy.Stanley@nebankers.org	182
9/8/2006	1pm	Kanawha		83
9/16/2006	9:30am	Ames Public Library		42
9/18/2006		Davis Co.	Bob Wells 641-673-5841	64
9/19/2006	7:30pm	Greenfield, IA	Clark Bredahl	176
9/26/2006	8:30	Perry		8
9/29/2006	1pm	Webinar	Alicia Morris	48
10/5/2006	12pm	Glen Oaks Golf, DSM	Melisa Cox 515-313-3064	59
10/10/2006	2pm	Rain & Hail, w DSM		32
10/13/2006	6pm	Red Oak IA	Dick Mullenix	11
10/14/2006	11am	Red Oak IA	Dick Mullenix	12
		Hyerian Club,	Vicki Place	
10/18/2006	1:30pm	Johnston, IA	vplace@courtavenuesuites.com	38
10/19/2006	11am	Storm Lake, IA	Ryan berg	58
11/28/2006	1pm	Kearney,NE	Wanda Winder	
10/23/2006	11am	State Collage, PA	John Westbrook	33
10/27/2006	9am	Mankato, MN	Anne Huntley	89
11/6/2006	12pm	ISU (class)	Paula's class	17
11/8/2006	1:30pm	Red Oak IA	Cliff Marts	13
11/13/2006	11:30am	Las Vegas, NV	Cynthia Watkins	574
11/15/2006	1pm	Wichita, KS	Kelly Pataky	265
11/28/2006	1pm	Kearney,NE	Wanda Winder	542
12/1/2006	10am	Independence, IA	Joel Dinger	26
12/4/2006	1pm	Peoria	Keith W. Braucht	465
12/5/2006	10am	Ringsted, IA	Jim McDermott	41

		Des Moines HI Merl		
12/8/2006	10:30am	Hay	Sally washick	87
12/11/2006	9am	Cherokee	Charity Anerson	92
12/13/2006	10am	Algona, IA	Chad Meyer	196
12/13/06	8pm	Des Moines, IA		581
12/15/2006	5pm	Ames	Troop 164	5
12/19/2006	9am	Newark, OH	Howard Siegrist	143

Total invited presentations in 2006 = 143

Presentations in 46 of Iowa's 99 counties

Total attending invited presentations in 2006 = 17,776

2007\*:

1/1/2007				
1/4/2007	11am	Cedar Rapids	Brent P	237
1/5/2007	9am	Burlington	Brent P	360
1/8/2007	9am	Gutherie Center, IA	Heather Schachtner	49
1/9/2007	2p	Cedar Rapids	Bruce Gaardner	142
1/10/2007	10am	Cedar Rapids	Bruce Gaardner	135
1/11/2007	10am	Cedar Rapids	Doug Burns	241
1/12/2007	9am	Humeston, IA	Kristen Akers	48
1/12/2007	3pm	Iowa Falls, IA	Darwin Miller	121
1/13/2007	11am	Des Moines	Frank Lessiter	331
1/16/2007	10am	Hills, IA	G. Molling	242
1/17/2007	1pm	Chicago, IL	Marcia Taylor	408
1/19/2007	1pm	Daytona, FL	Wayne Studemann	285
1/20/2007	11am	Dubuque, IA	eii	46
1/23/2007	10am	Grinnell, IA	Nancy Cole (Union of Concerned Scientists)	32
1/24/2007	9am	MoValley, IA	Heather Schachtner	73
1/25/2007	8pm	Burlington	James Jensen	142
1/26/2007	7am	Mt. Pleasant, IA	James Jensen	31
3/10/2007	7pm	Owatonna, MN	Central coop deposit	
1/30/2007	10am	Hamburg, IA	Steve Swartout	22
1/30/2007	12pm	Hamburg, IA	Greg Warden	67
1/30/2007	7pm	Sidney, IA	Lynn Johnson	48
1/31/2007	12:30pm	Atlantic, IA	Brent P	171

2/1/2007	2:30	St Petersburg, FL	Rich Tiller	103
2/9/2007	10am	Mason City, IA	Stewart-Peterson group	
2/6/2007	8:30am	Sioux City, IA	Terry Jones	58
2/6/2007	2:30pm	Ames, IA	Terry Jones	62
2/7/2007	8:30am	Amana, IA	Terry Jones	114
2/7/2007	12:30pm	Waverly IA	Terry Jones	112
2/9/2007	10:30am	Mason City, IA	Stewart-Peterson group	217
2/10/2007	10:30am	Des Moines	eii	21
2/11/2007	2pm	Ames, IA		24
		phone conference to		
2/12/2007	9am	TX	Mark Waller	38
2/12/2007	11am	Waterloo	Craig Chase	71
2/13/2007	1pm	Pocahontas	Lori Hopkins	49
2/15/2007	8am	Lubbock, TX	Mark Waller	53
2/19/2007	9am	Sioux Falls, SD	Risk Management School	147
2/19/2007	3pm	Watertown, SD	Risk Management School	96
2/20/2007	9am	Aberdeen, SD	Risk Management School	93
2/21/2007	9am	Huron, SD	Risk Management School	96
2/22/2007	9am	Yankton, SD	Risk Management School	142
2/24/2007	10:30am	Indianola IA	Darla Kickbush	134
2/27/2007	7am	Osage	Neil Wubben	41
2/27/2007	9:30am	Mason City, IA	Julie Fritz	51
2/28/2007	1pm	Cedar Falls	Craig Chase	51
3/1/2007	9am	Fairfield, IA	Kristen Akers	47
3/1/2007	3pm	Ames, IA	John.Harri@idals.state.ia.us	35
3/5/2007	7pm	Audubon, IA	Gayle Klever	121
3/6/2007	12pm	Grinnell, IA	John Tomasic	25
3/6/2007	2:30pm	Victor, IA	Rohrer Bros Inc	37
3/6/2007	7pm	Lyneville, IA	Poweshiek Extension	84
3/7/2007	10am	Nashua	George Cummins	207
3/8/2007	7:30pm	1-800-347-8268	conference call	41
3/9/2007	10am	Council Bluffs, IA	Stewart-Peterson group	106
3/12/2007	9am	Nevada, IA	Brandon 515-291-7236	73
3/12/2007	6:30pm	Geneseo, IL	Katie Boruff	114
3/13/2007	1pm	Malvern, IA	Kyle Jenen 712-769-2660	54
3/14/2007	11am	Underwood, IA	Kyle Jenen 712-769-2660	28
3/16/2007	10am	Cherokee	Leigh Adcock	16
3/19/2007	10:30am	Scheman Ames	Iowa Bankers	263
3/19/2007	1pm	Baxter, IA		37
3/21/2007	1:45pm	Scottsdale, AZ	sheri.resa@USAgBank.com	152
3/22/2007	10am	Le Mars, IA	Sue Butcher	186
3/23/2007	10am	Luverne, MN	Steve Tofteland	119
3/24/2007	11am	Cresco, IA	Charlie Baier	54
3/27/2007	10am	Bettendorf Capri	jay.jacobi@rainhail.com	281
3/27/2007	7pm	Audubon	Heather Schachtner	51
3/29/2007	10am	Mahnomen, MN		461
3/31/2007	11am	Dubuque, IA	Carl Bolwinkel	37



4/10/2007	2pm	Johnston, IA	Vicki Place vplace@courtavenuesuites.com	32
4/12/2007	9am	Lake City, IA	Jeff Newbaum	54
4/21/2007	8:30am	West Des Moines	eii	29
4/21/2007	11:30am	West Des Moines	Paul Castelberry	23

Total invited presentations through April 24, 2007 = 70

Total attending invited presentations through April 24, 2007 = 7,783

Total attending invited presentations for year of 2007 = 14,393 persons

Total invited presentations 2008 = 132

Total attending invited presentations in 2008 = 15,291. (av. Attendance = 117 persons)

Total invited presentations 2009 = 106

Total attending invited presentations in 2009 = 12,698.

Total invited presentations 2010 = 112

Total attending invited presentations in 2010= 12,780

Total invited presentations 2011 = 92

Total attending invited presentations in 2011= 11,115

\*Date, time, place, attendance data of invited presentations only, details on specific conference(s) provided on request.