

## References

Allison, A., 1993. Effectiveness of Ultrafine Water Fog as a Dust Suppressant. Final Report, Peavey Company, Con Agra, Omaha, Ne.

ASAE, 1994. ASAE Standard D245.4 Moisture Relationships of Grains. ASAE Standards 1994-Standards Engineering Practices Data. St. Joseph, MI.

Batterham, B., 1985. Personal correspondence from Bob Batterham, Department of Agricultural Economics, University of Sydney, to L.D. Hill, April 12.

Besley, H.J., 1925. "Harmonizing the Grain Standards Act with the Pure Food and Drugs Act", The Grain Dealers Journal, October 25, p. 516.

Bloome, P.D., 1982. "Legal and Physical Aspects of Restoring Moisture to Very Dry Grain", 1982 Grain Conditioning Conference Proceedings, 13-14 January, Urbana, University of Illinois, p. 19.

Bloome P.D., G.H. Brusewitz and D.C. Abbott 1982, "Moisture Absorption by Wheat", Transactions of The ASAE, p. 1071-1075.

Botos, J. P., 1993. Statement in the hearing before the Subcommittee on General Farm Commodities of the Committee on Agriculture, House of Representatives. "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain." Serial No. 103-38. Washington D. C., October 7, pp. 48 and 61.

Clark, L., 1993. Secretary-Treasurer, Supercargoes and Clerks, Local 40, International and Warehouse men's union. Statement in the Hearing before the Subcommittee on General Farm Commodities of the Committee on Agriculture, House of Representatives, "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain." Serial No. 103-38. Washington D. C., October 7.

Cooper, D.C and F. C. Alley, 1994. Air Pollution Control A Design Approach. Waveland Press, Inc., Second Edition, Prospects Heights, Ill.

Cordier, J., 1995. Personal correspondence from Jean Cordier, Ecole Nationale Superieure Agronomique, Rennes, France, to L. D. Hill, February 1.

Cronje, D.E., 1995. Personal correspondence from D.E. Cronje, Deputy General Manager (Services), South African Maize Board, to L.D. Hill, May 8.

Duvel, J.W.T. 1914. "Grain Standardization," Canadian Miller and Cerealist 6, July: 139.

EPA, 1984. Review of New Source Performance Standards for Grain Elevators, EPA-450/3-84-001, Office of Air Quality Planning and Standards, Research Triangle Park, N.C.

Federal Register, 1984a. Proposed Rule, Grain Handling Facilities, Department of Labor, OSHA, Vol. 49, No. 4, January 6, p. 996-1014.

Federal Register, 1984b. Proposed Rule, "Weighing Provisions and Procedures", USDA, FGIS, Vol. 49, November 28, 1984, p. 46415.

Federal Register, 1987a. Grain Quality Improvement Act Implementation - Comments and actions. FGIS, USDA, Washington, D.C., June 30.

Federal Register, 1987b. Final Rule Weighing Provisions and Procedures, USDA, FGIS, Vol. 52, No. 42, March 4, p. 6493-6497.

Federal Register, 1993a. Final Rule, "Certification of Additive-Treated Grain", USDA, FGIS, Vol. 58, No. 5, January 8. p 3211-3213.

Federal Register, 1993b. Proposed Rule, "Prohibition on Adding Water to Grain", USDA, FGIS, Vol. 58, No. 148, August 4. p 41439-41441.

Federal Register, 1994. Final Rule, Prohibition on Adding water to Grain. USDA, FGIS, Vol 59, No. 198, October 14, p 52071-52077.

FGIS, 1985. Report of the FGIS Subcommittee assigned to review the challenges triggered by the recent grain quality bills introduced in Congress, FGIS Advisory Committee minutes, July 13.

FGIS, 1993. Export Inspection records, USDA, unpublished.

Food and Drug Administration, 1979. Federal Food, Drug and Cosmetic Act, As amended, January 1979, "Adulterated Food", Sec. 402(b) (4) U. S. Department of Health, Education, and Welfare, Public Health Service, reissued September, p. 18.

Food and Drug Administration, 1982. Food Additives Permitted for Direct Addition to Food for Human Consumption: White Mineral Oil. Federal Register 47(41): 8763, Washington D.C.

Foster, G.H., 1967. "Moisture Changes During Aeration of Grain", Transactions of The ASAE, 10(30).

Galliar, David R., 1993. Acting Administrator Federal Grain Inspection Service U.S. Department of Agriculture, Statement before the Subcommittee on General Farm Commodities of the Committee on Agriculture, U.S. House of Representatives, October 7, p. 80-91.

Gillum, Charles R., 1993. Acting Inspector General, USDA. Letter to George Wollam, FGIS regarding the Proposed Rule: "Concerning the Prohibition on Adding Water to Grain," November 3.

Grain Journal, 1995. "Foundation Funds Dust Emission Study", March/April, p.27.

Gutierrez, M., 1995. Personal correspondence from Marta Gutierrez, INTA, Buenos Aires, Argentina, to L.D. Hill, April 17.

Hall, Glenn E., 1983 "Analysis of Grain Samples Stored and Evaluated by FGIS", unpublished report, September 19.

Hawk, Arvid, 1995. Personal correspondence. August 10.

Hile, J.P., 1981. Associate Commissioner for Regulatory affairs, FDA, letter to C. T. Haan, Agricultural Engineer, Oklahoma State University. April 7.

Hile, J. P., 1985. Associate Commissioner for Regulatory affairs, FDA, letter to Peter D. Bloome, Agricultural Engineer, Oklahoma State University, re: Docket No. 84A-0204, May 15.

Hill, Lowell D., Marvin R. Paulsen and Margaret Early, 1979. Corn Quality Changes During Export, College of Agriculture, University of Illinois, SP-58, September.

Hill, L. D. and R. Spangler, 1985. "A Grain Industry Solution to the Rewetting Problem." Department of Agricultural Economics, Agricultural Experiment Station. College of Agriculture. University of Illinois at Urbana-Champaign. AE-4594. April.

Hill, L.D. and Anning Wei, 1993. "Moisture Variability in Corn", Department of Agricultural Economics Staff Paper #92 E-481, University of Illinois at Urbana-Champaign, February.

Hill, Lowell D. and Carolyn Caponigri, 1995. "Economic Incentives for Adjusting the Moisture Content of Grain", Department of Agricultural Economics, University of Illinois, AE-4708, May.

Intervention Board, 1993. "Support Buying of Cereals", Leaflet No. CD15, October.

Jacobson, Jon A., 1993. Vice President of Marketing, Peavey Company, Statement at hearings the Subcommittee on General Farm Commodities of the Committee on Agriculture, U.S. House of Representatives. "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit The Addition of Water to Grain," Serial No. 103-108, Washington D.C. October 7.

Jeske, 1994. Personal correspondence to Lowell Hill, unpublished report.

Joyce, Henry L., 1988, Chief Regulatory Branch, FGIS, Letter to J. T. Ashier, Director, Compliance Division, FGIS, regarding the Recommendation to close case 87-gsa-26, Adulteration of Grain, State of Montana. February 22.

- Kaplan, S. L., 1984. Provisioning Paris, Cornell University Press, Ithaca, N.Y., p. 216.
- Lai, F. S., B. S. Miller, and C. R. Martin, 1979. Dust control Using Water Sprays. ASAE Paper No., 79-3090. Presented at 1979 Summer Meeting of ASAE and CSAE. Manhattan, KS.
- Lai, F. S., B. S. Miller, and C. R. Martin, 1982a. Examining the Use of Additives to Control Grain Dust. Final Report No OAC-82-036 submitted to the Fire and Explosion Council, National Grain and Feed Association, Washington, D. C.
- Lai, F. S., and D. W. Garrett, 1982b. Characterization of the Particle Size and Composition of Grain Dust. ASAE Paper No. 82-3082, Presented at 1982 Summer Meeting of ASAE. Manhattan, KS.
- Lai, F. S., B. S. Miller, and C. R. Martin, 1984. Examining the use of Additives to Control Grain Dust in a Commercial Grain Elevator. ASAE Paper No. 84-3575. Presented at 1984 Winter Meeting of ASAE. Manhattan, KS.
- Lai, F. S., C. R. Martin, Y. Pomeranz, T. L. Mounts, K. Warner, W. E. Burkholder, A. J. Peplinski, A. R. Class, R. Gebaur, K. H. Mansour, L. E. Lahman, C. W. Davis, 1986. Oils and Lecithin as Dust Suppression Additives in Commercially Handled Corn, Soybeans, and Wheat: Efficacy of Treatments and Effects on Grain Quality-Final Report. USDA Grain Marketing Research Laboratory, Manhattan, KS.
- Marshall, John W., 1982. Acting Director Field Management Division. Letter to Dr. Kenneth A. Gilles, Administrator. Position Paper on the Use of Water for Dust Control.
- Martin, Charles R., 1991 "Commercial Method for Adding Water to Grain" Agricultural Engineer, USDA. June 5.
- Matsumara, R. T., R. G. Flocchini, T. A. Cahill, O. Carvacho, K. Noderer, K. Charter, T. James, 1991. Effectiveness of Dust Control By Agglomeration of Fine Water Droplets at an Almond Hulling Plant. Air Quality Group, Crocker Nuclear Lab, University of California, Davis, CA.
- McFarland, A. R. and C. A. Ortiz, 1982. A 10  $\mu\text{m}$  Cutpoint Ambient Aerosol Sampling Inlet. Atmospheric Environment, Pergamon Press LTD., Vol 16 (12): pp 2959-2965.
- McFarland, A. R. and C. A. Ortiz, 1983. Evaluation of Prototype Pm-10 Inlets with Cyclonic Fractionators. APCA Paper No. 33.5, Presented at the 76th Annual Meeting of APCA.
- McLean, K.A., 1995. Personal correspondence from K.A. McLean, Grain Drying and Storage Specialist, ADAS, Suffolk, England, to L.D. Hill, February 3.
- Mestrich, K. R., 1993. Food and Allied Service Trades Department, AFC-CIO, Statement and Testimony in the Hearing before the Subcommittee on General Farm Commodities of the

Committee on Agriculture House of Representatives, "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain." Serial No. 103-38. Washington D. C., October 7, p. 182, and 193-194.

Michigan Farm Facts, 1983. ASCS, USDA, East Lansing, Michigan, June 10.

Miller, J. D., 1983. Assistant Surgeon General, Director, National Institute for Occupational Safety and Health. "Occupational Safety in Grain Elevators and Feed Mills." United States Department of Health and Human Resources. September.

Milling and Baking News, 1993. "Legislators Hear Statements on Plan to Ban Water From Grain." September 21.

NFPA, 1994. National Fire Protection Association, NFPA 61B, "Standards for the Prevention of Fires and Explosions in Grain Elevators and Facilities Handling Bulk Raw Agricultural Commodities". Quincy, MA pp. 61B-1 to 61B-20.

NGFA Newsletter, 1994. "Grain Organizations Urge Final Rule on Water Addition." Vol. 46, No.17, Washington D.C., August 4.

Ontario Soybean Growers, 1983. Personal Correspondence to L.D. Hill.

Parnell, C.B., 1981. " Testimony to The Agricultural Subcommittee of the Texas Senate," personal communication.

Parnell, C.B. 1985. Personal Communication from John Feehan, Environmentalist, to Parnell.

Parnell, C. B., 1993. Statement and Testimony in the Hearing before the Subcommittee on General Farm Commodities of the Committee on Agriculture House of Representatives. "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain." Serial No. 103-38. Washington D. C., October 7, p. 58, 60, and 151.

Parnell, C. B., 1994. Regulating Air Pollution Associated with Agricultural Operations. Paper No. 944538. Presented at the Winter Meeting of ASAE. College Station, Tx.

Parnell, C. B., Jr., B. J. Lesikar, and H. D. Wardlaw, Jr., 1989. Dust Suppression Results with Mineral Oil Applications for Corn and Milo. *Transactions of the ASAE* 32 (5) :1720-1726. St Joseph, Mi.

Parnell, C. B., Jr., D. D. Spillmann, and D. P. Whitelock, 1992. Impact Study of Prohibiting Recombining Recirculation Dust at Export Elevators. Department of Agricultural Engineering, Texas A&M University. Revised Final Report submitted to FGIS, Contract No. 53-6395-9-120. College Station, TX.

Parnell, C. B., Jr., B. J. Lesikar, and B. W. Shaw. 1994a. A Systems Approach to Regulation Air Pollution from Grain Handling Facilities. Paper No. 944043. Presented at the Summer Meeting of ASAE. College Station, TX.

Parnell, C. B. Jr., R. Lacey, J. Sweeten, B. Shaw, B. Lesikar, and R. Childers, 1994b. Agribusiness to Pay the Price for Incorrect Air Pollution Regulations. Resource 1 (8) :9-11. ASAE, St. Joseph, MI.

Paulsen, M., L.D. Hill and B.L. Dixon, 1984. Corn Moisture Meter to oven comparisons. Transactions of the ASAE, 27(6): 1917-1923.

Perrett, Joe, 1995. Food and Drug Administration. Personal Correspondence with Lowell D. Hill, January.

Raina, M. and Parnell, C., 1995. "Using the Coulter Counter Multisizer to Calculate PM-10 Concentrations from HiVol (TSP) Sampler Data", paper # 95-1650, presented at the ASAE national meetings, Chicago, IL, June 20.

Reid, Robert G., 1987. "The Affects of the Use of Oil on Wheat on Milling." Association of Operative Millers-Bulletin. June, p. 4981-4985.

Report of the FGIS Regulatory Branch recommending to Close Case 87-GSA-26, Adulteration of Grain, State of Montana.

Richard, A., 1993. Statement and Testimony of National Farmers Union, in the Hearing before the Subcommittee on General Farm Commodities of the Committee on Agriculture, House of Representatives, "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain." Serial No. 103-38. Washington D. C., October 7.

Sauer, D.B., R.A. Meronuck, C.M. Christensen, 1992. Microflora. In: Storage of Cereal Grains and their Products. Editor D. B. Sauer. American Association of Cereal Chemists. St. Paul, MN. p. 313-340.

Seitz, J. S., 1993. Director, Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency, Letter of October 5, contained in the Hearing before the Subcommittee on General Farm Commodities of the Committee on Agriculture House of Representatives. "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain." Serial No. 103-38. Washington D. C. October 7.

Sentry Technologies, 1994 Operators Manual. Chanhassan, MN.

Shipman, David, 1993. Statement at the Hearing before The Subcommittee on General Farm Commodities of the Committee on Agriculture, U.S. House of Representatives. "Review of The Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain". Serial No. 103-38, Washington, D.C., October 7.

Stang K., 1993. Statement in the Hearing before the Subcommittee on General Farm Commodities of the Committee on Agriculture, House of Representatives, "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain." Serial No. 103-38. Washington D. C., October 7, p. 30 and 35.

Steele, J. 1993 Statement in the Hearing before the Subcommittee on Agricultural Research, Conservation, Forestry and General Legislation of the Committee on Agriculture, Nutrition, and Forestry United States Senate. "Use of Water to Control Grain Dust." Washington D. C., September 9, p.6.

Storry, B., 1995. Personal correspondence from B. Storry, Chief Grain Inspector, Canadian Grain Commission, to L.D. Hill, March 8.

Stout, Cherry Brieser, 1995. "Great grain conditioning system", Prairie Farmer, p. 29.

Strehlow, R., 1982. National Research Council's Panel on Causes and Prevention of Grain Elevator Explosions, Statement before hearings on the "Review of Grain Elevator Safety", Subcommittee on Wheat, Soybeans and Feed Grains, Committee on Agriculture, July 21, p. 102.

The Wall Street Journal, 1993. "Soaking 'Em: Some Dealers Water Grain, Curbing Explosive Dust but Adding Significantly to Weight." July 1.

U.S. Congress, 1986. "Grain Quality Improvement Act." Ninety-ninth Congress, 2nd Session. HR 5407.

U.S. Department of Agriculture, 1919. Bureau of Markets, Service and Regulatory Announcements, No. 46, Section 14, 20 March, p. 5.

U.S. Department of Agriculture, Office of the Special Coordinator for Grain Elevator Safety and Security, 1984. "Prevention of Dust Explosions in Grain Elevators -- An Achievable goal." A Task Force Report. January 28. pp. 83-84.

U. S. House of Representatives, 1978. Hearings before the Subcommittee on Compensation, Health and Safety of the Committee on Education and Labor, OSHA Oversight-Grain Elevator Explosions. 95th Congress. Washington, D. C.

U.S. House of Representatives, 1993. Hearing before the Subcommittee on General Farm Commodities of the Committee on Agriculture, "Review of the Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain." Serial No. 103-38. Washington D.C. October 7.

U.S. Patent Office, 1984. "Suppression of Food Dusts and the Like", Patent No. 4439211, Washington D.C., March 27.

U.S. Senate, 1993. Hearing before the Subcommittee on Agricultural Research, Conservation, Forestry and General Legislation of the Committee on Agriculture, Nutrition, and Forestry, "Use of Water to Control Grain Dust." Washington D. C. September 9.

U.S. Wheat Associates, 1993. Statement at Hearings before The Subcommittee on General Farm Commodities of the Committee on Agriculture, House of Representatives. "Review of The Federal Grain Inspection Service's Proposed Regulation to Prohibit the Addition of Water to Grain". Serial No.103-38, Washington, D.C., October 7, p.230-31.

Wade, Franklin J. and Clyde M. Christensen, 1977. Condensation on Cold Corn Shipped to Reserve, Louisiana. Paper presented at the Winter Meetings of the American Society of Agricultural Engineers, Chicago, IL, December 13-16.

Walker, 1994. Personal Correspondence to Marvin Paulsen, Agricultural Engineer, University of Illinois, Dec. 2.

Walker and Associates, 1993. Letter to Honorable Tom Daschule Contained in the Hearing before the Subcommittee on Agricultural Research, Conservation, Forestry and General Legislation of the Committee on Agriculture, Nutrition, and Forestry United States Senate, "Use of Water to Control Grain Dust." Washington D. C., September 9, p.107.

Zalosh, R., 1977. Water Mist for the Prevention and Mitigation of Grain Dust Explosion, Proceedings of the International Symposium on Grain Dust Explosions, Grain Elevator and Processing Society, Kansas City, MO.