

Dr. James Beuerlein

Soybean and Small Grain Production

B.S. University of Tenn. 1965

M.S. University of Tenn. 1967

Ph.D. University of Ill. 1970

Professor of Agronomy

75% Extension, 25% Research

Research Projects:

I supervise the following research projects:

- Ohio Soybean Performance Trials.
- Ohio Soybean Inoculation Trial.
- Ohio Soybean Fungicide Seed Treatment Trial.
- Ohio Soybean Yield Enhancement Trial.
- Ohio Wheat Performance Trials.
- Ohio Wheat Yield Enhancement Trial.

I also conduct soybean and wheat cultural practices studies each year.

I serve as cooperating principal investigator on several research projects conducted with other faculty.

Extension Projects:

My Extension project consists of the development of educational materials in the form of bulletins, fact sheets, newsletters, crop updates, presentations, slide sets, etc. that are used by crop producers to improve their profitability. I provide training for County and Regional Extension Faculty, the personnel of various agricultural companies. I consult and advise a number of companies in their development of products to be used in crop production.

Refereed Publications:

Sullivan, Matthew, Tara VanToai, Norman Fausey, Jim Beuerlein, Bob Parkinson. 2001. Using GPS to document on-farm conditions affecting soybean grain yield under flooded stress. *Crop Science*, 41:93-100 (2001).

McCormick, J. S., Sulc, R. M., Barker, D. J., Beuerlein, J. E., and Rhodes, L. H, 2004, Forage yield and quality of winter hardy cereals and winter sensitive species for grazing. *Proc. American Forage & Grassland Council* 13:225-229.

Beuerlein, J. E. 2005. Profitable Soybean Cultural Practices. *Extension Bulletin* 918.

Beuerlein, J. E. 2005. Soybean Inoculation: It's Science, Use and Performance. .

Extension Publications:

Beuerlein, J. E. 2002, Effect of fungicide seed treatment on yield, *Crop Observation and Recommendation Network*, C.O.R.N., January, 2002.

Lipps, P.E., Beuerlein, J. E., 2002, Wheat Condition in Ohio, *Crop Observation and Recommendation Network*, C.O.R.N. March, 2002.

Lipps, P.E., Beuerlein, J. E., 2002, Wheat Stand Evaluation, *Crop Observation and Recommendation Network*, C.O.R.N. March, 2002.

- Beuerlein, J. E., 2002, Soybean Growth Habit, Yield and Relative Maturity, *Crop Observation and Recommendation Network, C.O.R.N.* March, 2002.
- Beuerlein, J. E. 2002, Effect of seeding rate on soybean yield, *Ohio's Country Journal*, March, 2002.
- Beuerlein, J. E. 2002, Effect of seeding rate on soybean yield, *Crop Observation and Recommendation Network, C.O.R.N.* March, 2002.
- Beuerlein, J. E., 2002, Effect of Row Spacing on Wheat Yield. *Ohio Wheat Talk*, March, 2002.
- Beuerlein, J. E. 2002, Effect of fungicide seed treatment on yield, *Ohio's Country Journal*, April, 2002.
- Beuerlein, J. E. 2002, Effect of soybean inoculation on grain yield, *Ohio's Country Journal*, April, 2002.
- Beuerlein, J. E., 2002, Calculate and Calibrate Before Planting, *Crop Observation and Recommendation Network, C.O.R.N.* April, 2002.
- Beuerlein, J. E., 2002, Management Considerations for Late Planted Soybeans, *Crop Observation and Recommendation Network, C.O.R.N.* May, 2002.
- Beuerlein, J. E., 2002, Ohio's 2002 Wheat Crop, *Crop Observation and Recommendation Network, C.O.R.N.* July, 2002.
- Beuerlein, J. E., 2002, 2002 Soybeans, Some Good, Some Bad, & Some Ugly, *Crop Observation and Recommendation Network, C.O.R.N.* July, 2002.
- Beuerlein, J. E., Pat Lipps, and Rich Minyo. 2002. Ohio Wheat Performance Trials, 2002, *Ohio Wheat Talk*, Vol 7, No.3, August, 2002.
- Beuerlein, J. E., Pat Lipps, and Rich Minyo. 2002. Ohio Wheat Performance Trials, 2002, *Crop Observation and Recommendation Network. C.O.R.N.* August, 2002.
- Beuerlein, J. E., Pat Lipps, and Ed Lentz, 2002, Planting Wheat to Improve Yields, *Ohio Wheat Talk*, Vol 7 No. 3, September 2002.
- Beuerlein, J. E., Pat Lipps, and Ed Lentz, 2002, Planting Wheat to Improve Yields, *Crop Observation and Recommendation Network, C.O.R.N.* September, 2002.
- Beuerlein, J. E. 2002, Soybean Variety Selection for 2003, *Ohio's Country Journal*, December, 2002.
- Beuerlein, J. E., 2002, Ohio Soybean Performance Data Available, *Crop Observation and Recommendation Network, C.O.R.N.* December, 2002.
- Lipps, P. E., Beuerlein, J. E., and Mills, D. R. 2003, Potential wheat harvest problems caused by persistent rain, *Crop Observation and Recommendation Network (C.O.R.N.)*. 2003-21, July 7-13, 2003.
- Loux, M. M., and Beuerlein, J. E. 2003, Producing Non-GMO soybeans. Proc., OSU Regional Agronomy Mtgs., March, 2003.
- Beuerlein, J. E. 2003. "Poor Soybean Root Health Leads to Yellow Beans" *Crop Observation and Recommendation Network (C.O.R.N.)*. 2003-17.
- Dorrance, A. E., and Beuerlein, J. E. 2003. Flooded or rotten - what is happening to these soybean roots. C.O.R.N. 03-19.

- Beuerlein, J. E., and Dorrance, A. E. 2003. Poor soybean root health leads to yellow beans. C.O.R.N. 03-17.
- Dorrance, A. E., and Beuerlein, J. E. 2003. Delayed soybean emergence. C.O.R.N. 03-14.
- Beuerlein, J. E. 2003. Accurate Soybean Seeding Rates Save Money, *Crop Observation and Recommendation Network (C.O.R.N.)*. 2003-10,
- Beuerlein, J.E., Lipps, P.E.and Lentz, E. M. 2003. Planting wheat for improved yields, *Crop Observation and Recommendation Network (C.O.R.N.)*, September, 2003.
- Beuerlein, J. E., and Dorrance, A. E. 2003, Establishing a healthy, vigorous 2003 soybean crop. C.O.R.N. 03-05.
- Lipps, P.E., Beuerlein, J.E., and Mills, D. R. 2003, Potential wheat harvest problems caused by persistent rain, *Crop Observation and Recommendation Network (C.O.R.N.)*. 2003-21, July 7-13, 2003.
- Beuerlein, J.E. 2003. Establishing a Healthy, Vigorous 2003 Soybean Crop, *Crop Observation and Recommendation Network (C.O.R.N.)*. 2003-5,
- Beuerlein, J.E. 2003, Effect of soybean seeding rate on yield and harvest population. *Ohio's Country Journal*, March, 2003.
- Beuerlein, J.E. 2003. Seeding Rates for Late Seeded Soybeans in 2003, *Crop Observation and Recommendation Network (C.O.R.N.)*. 2003-18,
- Beuerlein, J.E., Lipps, P.E., and Minyo Jr, R. J. 2003, Ohio Wheat Performance Trials, 2002, *Ohio Wheat Talk*, August 2003.
- Beuerlein, J.E., Lipps, P.E., and Minyo Jr, R. J. 2003, Ohio Wheat Performance Trials, 2002, *Crop Observation and Recommendation Network (C.O.R.N.)*, August 2003.
- Dorrance, Anne, J.E. Beuerlein. 2003. "Flooded or Rotten - What Happened to these Soybean Roots" *Crop Observation and Recommendation Network (C.O.R.N.)*. 2003-19,
- Beuerlein, J.E. 2003. Too Late to Double Crop Soybeans, *Crop Observation and Recommendation Network (C.O.R.N.)*. 2003-22,
- Beuerlein, J.E. 2003. Delayed Soybean Emergence, *Crop Observation and Recommendation Network (C.O.R.N.)* 2003-14.
- Beuerlein, J. E., 2003. Ohio Soybean Seeding Rate Study, 2001-2004. Ohio Agricultural Research and Development Center, Horticulture and Crop Science, August, 2003.
- Beuerlein, J.E., 2003, Grain Quality from Drydown to Rewetting, *Crop Observation and Recommendation Network (C.O.R.N.)*, October, 2003.
- Beuerlein, J.E., 2003, Frosted Soybeans, *Crop Observation and Recommendation Network (C.O.R.N.)*, October, 2003.
- Beuerlein, J.E., 2003, Ohio Soybean Variety Trials Results Available Now, *Crop Observation and Recommendation Network (C.O.R.N.)*, December, 2003.
- Beuerlein, J.E., 2004, Ohio's 2003 and 2004 Wheat Crop, *Ohio Wheat Talk*, January, 2004.
- Beuerlein, J. E., 2004. Answers To Questions From The Crop Profit Game, *Crop Observation and Recommendation Network (C.O.R.N.)* 2004-02, January 22, 2004.

- Beuerlein, J. E., 2004. Using Skip Rowe for Pest Management in Soybeans" *Crop Observation and Recommendation Network (C.O.R.N.)* 2004-02, January 18, 2004.
- Beuerlein, J.E., and Lipps, P. E. 2004, Ice in wheat field, *Ohio's Country Journal*, Mid-February, 2004.
- Beuerlein, J.E., and Lipps, P. E. 2004, Ice in wheat fields, *Crop Observation and Recommendation Network Newsletter*. February, 2004
- McCormick, J. S., Sulc, R. M., Barker, D. J., Beuerlein, J. E., and Rhodes, L. H., 2004, Forage yield and quality of winter hardy cereals and winter sensitive species for grazing. *Forage News* Aug. 2004, Univ. KY Coop. Extension Service, Available online at <http://www.uky.edu/Ag/Forage/ForageNews.htm>.
- Beuerlein, J. E., 2004. 2003 Ohio Soybean Inoculation Study, *Ohio's Country Journal*, February, 2004.
- Beuerlein, J. E., 2004. Management that Increases Soybean Yield, *Crop Observation and Recommendation Network (C.O.R.N.)* 2004-02, May 3, 2004
- Beuerlein, J. E., 2004. What Soybean Maturity Should I Plant in June, *Crop Observation and Recommendation Network (C.O.R.N.)*, June, 2004
- Beuerlein, J. E., 2004. Soybean Reaction to a Cool Summer, *Crop Observation and Recommendation Network (C.O.R.N.)*, August, 2004.
- Minyo Jr, R. J., Beuerlein, J. E., and Lipps, P. E., 2004, Ohio Wheat Performance Trials, 2004. *Ohio Wheat Talk*, September, 2004.
- Beuerlein, J. E., Lipps, P. E., and Minyo Jr, R. J. 2004, Ohio Wheat Performance Trials, 2004, *Ohio's Country Journal*, September, 2004.
- Lipps, P.E, Beuerlein, J.E., and Lentz, E. M. 2004, Wheat Planting: Doing it Right!, *Crop Observation and Recommendation Network Newsletter*, September, 2004.
- Beuerlein, J. E., Lipps, P. E., and Minyo Jr, R. J. 2004, Ohio Wheat Performance Trials, 2004, *Crop Observation and Recommendation Network Newsletter*, September, 2004.
- Beuerlein, J. E., 2004, Precautions when saving soybean seed. *Crop Observation and Recommendation Network (C.O.R.N.)*, October, 2004.
- Beuerlein, J. E., 2004. Seed Protection Laws, *Crop Observation and Recommendation Network (C.O.R.N.)*, October, 2004.
- Lipps, P.E., Lentz, E.M., and Beuerlein, J.E. 2004, Planting Profitable Wheat, *Ohio's Country Journal*, October, 2004.
- Beuerlein, J. E., 2004, Summary, 2004 Ohio Soybean Performance Trials, *Crop Observation and Recommendation Network (C.O.R.N.)* 2004-02, November, 2004
- Beuerlein, J. E., 2004, Summary, 2004, 2004 An Excellent Soybean Crop, *Crop Observation and Recommendation Network (C.O.R.N.)*, November, 2004.
- Beuerlein, J. E., 2004, The 2004 Soybean Crop - Wow. *Ohio's Country Journal*, December, 2004.
- Beuerlein, J. E., 2004, Precautions when saving soybean seed. *Ohio's Country Journal*, December, 2004.

- Beuerlein, J. E. 2004, Polymer Seed Coating Project, 2001-2004, Ohio Agricultural Research and Development Center, Horticulture and Crop Science. December, 2004.
- Beuerlein, J. E., *et al*, 2004, Ohio Soybean Performance Trials,, 004. *Ohio's Country Journal*, December, 2004.
- Beuerlein, J. E., 2004. Seed Protection Laws, *Ohio's Country Journal*, December, 2004. Beuerlein, J.E., 2005, Using Skip Rows for Soybean Pest Management, *Crop Observation and Recommendation Network (C.O.R.N.)*, January, 2005.
- Beuerlein, J. E., Lipps, P. E., and Lentz, E. M. 2005. Small Grain Production in Ohio Agronomy Guide, 14th Edition, Bulletin 472, pp 72 - 88. .
- Beuerlein, J. E., and Lentz, E. M. 2005. Alternative Crops In Ohio Agronomy Guide 14th Edition, Bulletin 472, pp.135 - 144. .
- Beuerlein, J. E., Bloetscher, B., Dorrance, A. E., Easley, J. B., Hammond, R. B., Lentz, E. M., Lipps, P. E., Loux, M. M., Mills, D. R., Ozkan, E., Rhodes, L. H., Stachler, J. M., Sulc, R. M., Taylor, N. J., and Thomison, P. R. 2005. Corn, Soybean, Wheat, and Alfalfa Field Guide. Bulletin 827. .
- Beuerlein, J. E., Lentz, E. M., Dorrance, A. E., Hammond, R. B., and Easley, J. B. 2005. Profitable soybean production practices. OSUE Bulletin 918. 46pp. .
- Lipps, P. E., Beuerlein, J. E., Paul, P. A., and Lentz, E. M. 2005. Planting wheat: Doing it right! Ohio Wheat Growers Association Newsletter - Fall 2005. .
- Beuerlein, J. E., Dorrance, A. E., Hammond, R. B., Lipps, P. E., Loux, M. M., McCoy, E., Mullen, R., Sulc, R. M., and Thomison, P. R. 2005. 2005. Ohio Agronomy Guide. Ohio State University Extension, Bulletin 472. (Revised). .
- Beuerlein, J. E., Lipps, P. E., and Minyo Jr, R. J. 2005. Ohio Wheat Performance Trials, 2005. Ohio Agricultural Research and Development Center, Horticulture and Crop Science Series 228. July 2005. 14 pages. .
- Sulc, R. M., Hammond, R. B., Lipps, P. E., Dorrance, A. E., McCoy, E., Beuerlein, J. E., Thomison, P. R., and Loux, M. M. 2005. 2005. Ohio Agronomy Guide. Ohio State University Extension, Bulletin 472. (Revised). .
- Beuerlein, J. E., Dorrance, A. E., and Mills, D. R. 2005. Using Skip-Rows for Soybean Pest Management Increases Profit. Fact Sheet HCS, //agcrops.osu.edu. .
- Beuerlein, J. E., St Martin, S. K., Dorrance, A. E., and Van Diest, C. 2005. Ohio Soybean Performance Trials
- Beuerlein, J. E., Dorrance, A. E., and Mills, D. R. 2005. Using Skip-Rows for Soybean Pest Management Increases Profit. HCS Fact Sheet. .
- Beuerlein, J. E., 2005. 2004 Ohio Soybean Seed Fungicide Treatment Study, *Ohio's Country Journal*, March, 2005.
- Beuerlein, J. E., 2005. 2004 Ohio Soybean Inoculation Study, *Ohio's Country Journal*, March, 2005.
- Lipps, P.E, Lentz, E. M, Mullen, R., Beuerlein, J.E., 2005, Assessing Wheat Stands in Late Winter, *Crop Observation and Recommendation Network (C.O.R.N.)*, March, 2005.

- Beuerlein, J. E. 2006. R. Minyo, P. Paul, C. Sneller, 2006 Ohio Wheat Performance Trial Report, Dept. of Horticulture and Crop Science, Dept Series 228. .
- Beuerlein, J. E. 2006. StMartin, S; Dorrance, A; and KroonVanDiest, C. 2006 Ohio Soybean Performance Trial Report, Hort and Crop Science Dept. Series 212, Dec, 2006. .
- Beuerlein, J. E., St Martin, S. K., Dorrance, A. E., and Van Diest, C. 2006. Ohio Soybean Performance Trials 2006. OSU Horticulture and Crop Science Dept. Series 212.
- Beuerlein, J. E. 2006. Beuerlein, J. 2006, 2006 Ohio Soybean Inoculation Study. .
- Beuerlein, J. E. 2006. Beuerlein, J, 2006, 2006 Ohio Soybean Fungicide seed treatment study. .
- Beuerlein, J. E., Minyo Jr, R. J., Paul, P. A., and Sneller, C. H. 2006. Ohio Wheat Performance Trials, 2006. Horticulture and Crop Science Series 228 - July 2006. .
- Paul, P. A., Dorrance, A. E., Beuerlein, J. E., Mills, D. R., and Mian, R. 2006. Meet the team, OSU researchers, Ohio Soybean Review, Summer 2006. .
- Beuerlein, J. E., Paul, P. A., and Mills, D. R. 2007. Evaluating Wheat Stands in 2007, Ohio's Country Journal, Mid April 2007.
- Paul, P. A., Mills, D. R., and Beuerlein, J. E. 2007. Brown and Yellow Discoloration of Wheat Plants, Ag Professional Dealer Update, November 29, 2007
- Beuerlein, J. E., Paul, P. A., Hammond, R. B., Mullen, R. W., and Lentz, E. M. 2007. Evaluating the 2007 wheat crop. Ohio's Country Journal, Mid-February, 2007.
- Paul, P. A., Mills, D. R., and Beuerlein, J. E. 2007. Brown and Yellow Discoloration of Wheat Plants, Ohio's Country Journal, Mid December 2007.
- Beuerlein, J. E. 2007. 2007 Ohio Soybean Inoculation Trial.
- Beuerlein, J. E., St Martin, S. K., Dorrance, A. E., and Van Diest, C. 2007. Ohio Soybean Performance Trials 2007. Horticulture and Crop Science Dept. Series 212.
- Beuerlein, J. E., Minyo Jr, R. J., Paul, P. A., and Sneller, C. H. 2007. 2007 Ohio Wheat Performance Test, Horticulture and Crop Science Series 228, July, 2007.
- Beuerlein, J. E. 2007. 2007 Ohio Fungicide Seed Treatment Trial.

Grant/Gift Activity:

2003	\$153,500
2004	\$178,000
2005	\$202,000
2006	\$237,500
2007	\$246,800
TOTAL	\$1,017,800

Presentations:

From 2002 through 2007 I made 18 to 24 presentations annually at educational meetings, workshops, training meetings and field days. Also during this period, I provided data and technical information to writers generating articles for the popular press. This activity resulted in my information appearing in four to seven stories each year in national magazines in which I was quoted but was neither an author nor coauthor. Some of those magazines were Successful Farming, Farm Journal, Progressive Farmer, The Digest, corn and soybean, Ohio Farmer, and Ohio's Country Journal.