



# TRAKAGENG~2011

21-24 September 2011  
Istanbul-TURKEY



## KEYNOTE SPEAKER

---



**Dr. Erdal Özkan** is a Professor in Agricultural Engineering at the Ohio State University since 1985. He was a faculty member at Iowa State University Agricultural Engineering Department for 5 years before coming to Ohio State University. He received his B.S. degree in Agricultural Engineering at Ataturk University in Turkey, and his M.S and Ph.D degrees in Agricultural Engineering at University of Missouri, in USA.

Dr. Özkan is internationally-recognized for his scholarly activities in the area of pesticide application technology and pesticide waste management. In Ohio, he provides leadership in development and implementation of Extension educational programs related to new developments in pesticide application technology. Some of the focus areas in research include:

- Methods and equipment for safe and efficient application of agricultural chemicals
- Strategies for reduction of spray drift
- Parameters affecting pesticide deposition in target canopies and spray coverage on target surfaces.
- Minimizing exposure to pesticides by applicators
- Performance evaluation of polymers (adjuvants) for their effects on droplet size
- Instrumentation to determine uniformity of chemical mixing in sprayer tanks
- Direct (in-line) injection of agricultural chemicals
- Effect of target plant surface characteristics and spray additives on deposition and evaporation rates of spray droplets
- Intelligent sprayers for variable rate application of pesticides

Dr. Özkan has produced a variety of educational materials. He has authored or co-authored 5 book chapters, 67 refereed journal publications, 60 extension publications and has presented technical papers at over 94 conferences in the US and in other countries. He has developed numerous microcomputer software and audio-visuals related to pesticide application technology. 19 of his educational materials have received the ASABE Educational Aids Blue Ribbon Award.