



United States Department of Agriculture  
Natural Resources Conservation Service

2010 Ranking Period 2

**Air Quality Enhancement Activity – KS-AIR04  
Use drift reducing nozzles, low pressures, lower boom height, and  
adjuvants to reduce pesticide drift**

**Kansas Criteria for National Air Quality Enhancement Activity – AIR04**

Reference Kansas State University (KSU) publication MF 2869, *Droplet Size Calibration: A New Approach to Effective Spraying*, located at:  
<http://my.extension.uiuc.edu/documents/332091703090309/MF2869.pdf>

Written documentation supporting Air Quality Enhancement Activity - AIR04 will include as a minimum:

- Record application acres and legal description
- Record application volume in gallons per acre
- Record ground speed in miles per hour
- Record nozzle spacing in inches
- Record droplet spectra category selected for pesticide application  
(See KSU MF 2869, Table 1)
- Record nozzle type used for pesticide application
- Record application pressure setting in pounds per square inch (PSI)  
(do not exceed 45 PSI)
- Record application flow rate
- Record boom height setting for optimum canopy coverage
- If applicable, record deposition control adjuvant used for additional drift control
- Certification statement by producer that pesticide application complies with KSU MF 2869