



Dust Assessment, Management & Mitigation Conference
University of Arizona, Maricopa Agricultural Center
37860 W. Smith-Enke Rd.
Maricopa, AZ
January 20, 2016

Dust is an important health and safety concern in Arizona. Come hear local, regional and national experts discuss key aspects of the dust issue including health and safety concerns, factors impacting dust generation and transport, monitoring systems and mitigation strategies. The conference is free of charge and lunch is provided. Registration is required and can be completed online at:

https://uarizona.co1.qualtrics.com/SE/?SID=SV_09C3UGAb7IDQTgV

AGENDA

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| 7:30-8:10 | Registration |
| 8:10-8:25 | Opening Comments
<i>-Dr. Jeff Silvertooth, Assoc. Dean & Director, Extension & Economic Development, Univ. of Arizona</i>
<i>-Keisha Tatem, State Conservationist, USDA NRCS</i> |
| 8:25-8:55 | Health & Safety Considerations of Dust
<i>-Colleen McKaughan, Associate Director, Air Division, EPA Region 9</i> |
| 8:55-9:15 | Mechanics of Wind Erosion
<i>-Joel Poore, Wind Erosion Specialist, USDA NRCS</i> |
| 9:15-9:45 | Dust: Soil Considerations
<i>-Dr. James Walworth, Extension Soils Specialist, Dep. of Soil, Water & Env. Sci., Univ. of Arizona</i> |
| 9:45-10:05 | Break |
| 10:05-10:35 | The Flavors of Dust Storms Across the Southwestern US
<i>-Dr. David DuBois, State Climatologist, New Mexico State Univ.</i> |
| 10:35-11:05 | Monitoring Methods & Source Emission Estimates
<i>-Michael Sundblom, Director, Pinal County Air Quality Control</i> |
| 11:05-11:35 | Assessing the Potential for Dust Emission "Hotspots": Effects of Vegetation Cover, Soil Salinity and Surface Roughness
<i>-Dr. Jason Field, Research Specialist, School of Natural Resources & Environment, Univ. of Arizona</i> |
| 11:35-12:30 | Lunch |

- 12:30-1:00 Mitigation: Agricultural Best Management Practices
-Emily Bonanni, Arizona Department of Environmental Quality
-Rusty Van Leuven, Arizona Department of Agriculture
- 1:00-1:30 Mitigation: Use of Plant Materials
-Heather Dial, Manager, Tucson Plant Materials Center, USDA-NRCS
- 1:30-2:00 Mitigation: Benefits from Best Management Practices
-Joel Poore, Wind Erosion Specialist, USDA NRCS
- 2:00-2:30 Mitigation: Soil Remediation
-Dr. James Walworth, Extension Soils Specialist, Dep. of Soil, Water & Env. Sci. Univ. of Arizona
- 2:30-2:50 Break
- 2:50-3:20 Mitigation: Biological Soil Crusts
-Dr. Matthew Bowker, School of Forestry, Northern Arizona University
- 3:20-3:50 Mitigation: NRCS Air Quality Efforts
Dr. Greg Johnson, Leader & Greg Zwicke, Air Quality Engineer
National Air Quality and Atmospheric Change Team, USDA NRCS
- 3:50-4:00 Concluding Comments/Next Steps