

**Current and Planned RESEARCH Activities
in the Area of Pesticide Spray/Dust Drift
for inclusion on www.oecd.org/env/spraydrift**

Information provided by: David Miller

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Title of research project/activity	Micrometeorology controls on dynamic drift of fogger applications for sand fly.
Area of work (predictive models; field or wind tunnel research, etc.)	Field experiment
Summary description of project/work (please write about a 5-10 line summary)	Multi replication of ULV applications in various micrometeorology conditions at desert shrub site. Complete spray in air measurements with Lidar. Continuous wind, turbulence and stability measurements. Deposition on card measurements. Analyses include spatial extrapolation of point sampler catch with lidar. Micrometeorology/stability effects on spray plume movement.
Schedule / Anticipated date for completion or availability of results	Results available. Miller, David. R., Lav R. Knot, April L. Hiscox, Masoud Salyani, Todd W. Walker , Muhammad Farooq. 2012, Effects of Atmospheric Conditions on Coverage of Insect Fogger Applications in a Desert Surface Boundary Layer. <i>Trans ASABE (In Press)</i> . Khot, Lav R., David R. Miller, April L. Hiscox, Masoud Salyani, Todd W. Walker , Muhammad Farooq. 2012. Extrapolation of droplet catches measurements in aerosol application treatments. <i>Atomization and Sprays: 21(2):149-158</i>
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