

## TEMPLATE

### Providing Information about Current and Planned RESEARCH Activities in the Area of Pesticide Spray/Dust Drift

Information provided by: David Davies, Managing Director, Forest Protection Limited

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<b>Title of research project/activity</b>	Integrated Research And Development And Communication Of Biological Forest Pest Control Products And Application Technology (2006-2011)
<b>Area of work</b> (predictive models; field or wind tunnel research, etc.)	Aerial Application And Wind Tunnel Research Software Development Drift Reduction Technology (DRT) Development
<b>Summary description of project/work</b> (please write about a 5-10 line summary)	The objective was to develop and commercialize planning and application technologies that can aerially deliver pesticides with maximum on-target deposit and minimum off-target drift. This was achieved by integrating a wide range of aircraft data (e.g., real-time weather, aircraft speed and height, drop rates, droplet size and nozzle types) into an aircraft management system, driven by software such as the Protection Planning system (PROPS), and the AGDISP model. The supporting work for pesticide droplet characterizations was done in FPL's established high speed H. J. Irving-J. J. C. Picot Wind Tunnel.
<b>Schedule / Anticipated date for completion or availability of results</b>	Final Report (2006-2011 Research) - "A summary review of Integrated research; development and commercialization of biological forest pest control products and application technologies," March 2012.  Research trials are ongoing in 2012, and beyond in order to better predict real-time weather/model input for the next aerial spray line(s); and further optimize the location of spray lines and treatment blocks.

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