

Forest biosecurity atmospheric dispersion projects



- Aerial spray modelling.
- Mating disruption using insect pheromones.
- Modelling methyl bromide plume transport and spread near port facilities.
- Assessing the risk induced by wind reversal near obstacles.
- Disease spread modelling and epidemiology.

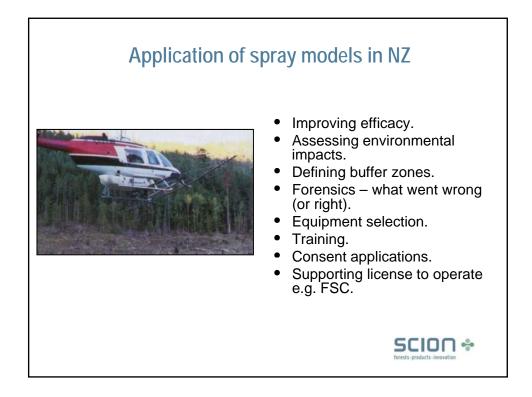
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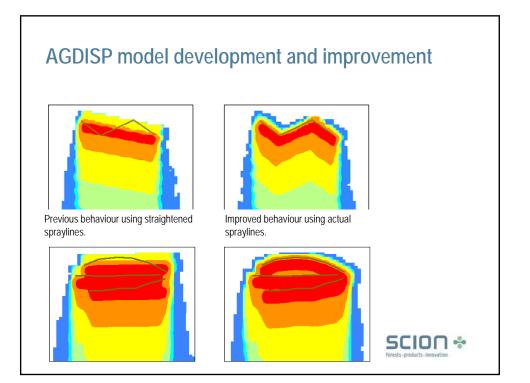
Aerial spray modelling

- AGDISP predicts fate of spray material released from aircraft.
- Needed to understand complex processes influencing spray deposition and drift.



Funded by USFS, Lincoln Ventures Ltd/MSI and B3





Improving canopy models in AGDISP



• Spray coverage of plant canopies influences efficacy and cost effectiveness – especially true for protectant sprays e.g. Dothistroma.

- Models can help define optimal treatments.
- BUT Canopy component of existing model (AGDISP) needs improving.

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