

Aerial Tank and Gating Testing

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Airtankers and helitankers are tested to...

- Evaluate the delivery system
- Evaluate ground pattern performance data
- Assist with tank and gating design improvements
- Define management practices and tactics

Static Testing:

Water is dropped from the tank which is either attached to the aircraft or on a stand. The flow rate, door opening rate, and internal tank pressure are measured to evaluate the system.



Drop Testing:

The airtanker makes a drop over a grid of approximately 2000 cups to determine the ground pattern distribution over a range of speeds, heights, fire fighting chemicals and flow rates. Wind, temperature and relative humidity are monitored to compare impacts on drop performance.

