



In-stand drop footprint mapping using S-61N helicopters

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Abstract: Alberta Agriculture and Forestry's (AAF) Wildfire Management Branch recently contracted two Sikorsky S-61N heavy helicopters. Both helicopters are equipped with an external tank (max. volume 1000 U.S. gallons) and have on-board injection systems that are capable of mixing class A foams and water-enhancers. Currently, there is limited data on comparative drop footprints of foam and water-enhancers (suppressants) for these heavy helicopters. To fill this knowledge gap, AAF has asked FPInnovations to conduct drop tests in different wildland fuel environments. This study focuses on mapping the drop footprints of water, foam, and water-enhancers in black spruce stands at specific flight parameters.

Documents



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