

**FFT Genetic Resource Management Program  
2017-2018 NeSMA Approved Projects**

**NeSMA 2017-1**

Project	Thinning Second Generation Genetic Tests
Approved Funding:	\$42,759
Description:	The trees in the five black spruce second generation genetic tests in Evanturel, Burt and Noble townships are producing the highest possible quality seed from the preferred source based on climate change predictions. The project focus is to systematically remove trees at these sites to allow the remaining trees adequate space so that they may be managed as seed production areas. The thinning process will consider the results of previous data analyses so that the best individuals will remain to produce seed of the highest genetic quality available.

**NeSMA 2017-2**

Project	Crown management of seed orchards and second generation tests
Approved Funding:	\$35,531
Description:	Crown management (topping) of black spruce trees at second generation genetic tests. The primary purpose of the work is to reduce the height of the trees before they get too large to effectively manage. A secondary purpose of the project is to collect cones from the topped trees to capitalize on FFT funded flower induction treatments completed at these sites in 2016 since the trees are producing seed from the preferred seed source. The second generation genetic tests in Evanturel, Burt and Noble townships are the same as those mentioned in the priority 1 project.

**NeSMA 2017-3**

Project	Establishment of jack pine seed deployment testing sites
Approved Funding:	\$30,944
Description:	Establish five jack pine seed source testing sites; three sites one hectare in size and two sites five hectares. These sites will test 144 different seed sources selected for their potential to replace existing sources as the climate changes.