

## FFT Genetic Resource Management Program 2019-2020 SWTIA Approved Projects

### SWTIA 2019-1

Project	Monitor and control redheaded jack pine sawfly
Approved Funding:	\$5,000
Description:	This project is proposing to monitor and protect the Eton-Rugby second-generation jack pine clonal seed orchard from defoliation by the redheaded jack pine sawfly ( <i>Neodiprion rugifrons</i> ).

### SWTIA 2019-2

Project	Select LNE second-generation individuals and site prepare clonal orchard
Approved Funding:	\$35,000
Description:	This project is proposing to select individuals for the Lake Nipigon East (LNE) breeding zone black spruce second-generation clonal orchard and to identify and prepare a site for the LNE second-generation clonal orchard.

### SWTIA 2019-3

Project	Development of an informative panel of DNA markers for predicting wood quality and growth
Approved Funding:	\$20,000
Description:	The proposed project is for the first year of a two year project that will develop a panel of informative genetic markers to facilitate improved selection for wood quality and growth. This base data is critical to enable future improved breeding and climate adaptation of black spruce in northwestern Ontario using genomic selection.

### SWTIA 2019-4

Project	Measure Wabigoon second-generation open-pollinated and elite progeny tests
Approved Funding:	\$30,000
Description:	This project is proposing to measure the Wabigoon breeding zone, second-generation black spruce progeny tests to provide key information to guide future selection and estimate genetic gains.

### SWTIA 2019-5

Project	Analyse Wabigoon second-generation progeny test data
Approved Funding:	\$10,000
Description:	This project is proposing to analyse height data collected in 2019 from two types of second-generation progeny tests in the Wabigoon black spruce breeding zone to guide selection and estimate genetic gains.