

FFT Genetic Resource Management Program 2020-2021 FGCA Approved Projects

FGCA 2020-1

Project	East Central White Pine Assisted Migration Seed Production Areas
Approved Funding:	\$31,640
Description:	This application is for the 3rd year of a 3-year project to strategically establish at least 2 White Pine Assisted Migration Seed Production Areas within the eastcentral areas currently described by seed zones 30, 35, 36. The initial intention was to establish only 2 areas. SPA Designs and SFL interest will allow at least 3 to be established for better seed production potential and also more rigorous data from 3 different sites.

FGCA 2020-2

Project	West Central White Pine Assisted Migration Seed Production Area
Approved Funding:	\$13,560
Description:	This application is for the 3rd year of a 3-year project to strategically establish 1 West Central White Pine Assisted Migration Seed Production Area to serve the westcentral Ontario area currently described by seed zones 28 and 31.

FGCA 2020-3

Project	Clonal Seedlots from 3 Southern Ontario White Pine Seed Orchards
Approved Funding:	\$11,300
Description:	This project proposes to continue on the work that started in 2017 with the collection of 160 clonally identified open pollinated seedlots from the 3 southern Ontario seedlots. There are more than 200 clones to collect from and secure in long term storage for research and climate change adaption purposes such as the strategic establishment of seed production areas. These orchards represent a significant part of Ontario's white pine gene pool (seed zones 37, 38 and 32 to 34). Forecasting in 2019 indicates there is a good chance to collect many of the missing 200 clones in 2020.

FGCA 2020-4

Project	Southern Ontario SCAN for Central Ontario Crown Forests
Approved Funding:	\$22,600
Description:	It follows up on our preliminary work being reported on in March 2020 and 2019: 1. Implementation of the Central Ontario Crown Forest Seed Strategy re seed collection to address climate change and 2. This work will build a tool that allows all this previous work to be used operationally by crown forest managers to facilitate the efficient use of high quality, source-identified seed that is adapted to a changing climate.

FGCA 2020-5

Project	Forest Genetic Resource Management (FGRM) Shortcourses
Approved Funding:	\$9,040
Description:	FGCA is proposing to develop FGRM shortcourses to deliver to our members and associates to address the need for more deliberate recognition of basic gene conservation principles in forest management.

FGCA 2020-6

Project	Assisted Migration Trial Network for SFL Priority Species
Approved Funding:	\$16,950
Description:	This is the second year of a 3-year plan to work with 6 central Ontario Crown Forest Managers to establish operational white pine assisted migration plantings in at least 3 areas per year. White pine genecology results from the last 20 years, along with the 10-year FGCA realized gain test results and Climate change projections all indicate that it is not too early to strategically move southern sources of white pine into the northern range of white pine. This project will also serve to help develop plans for other priority species as will be outlined in a separate project application: #7 – SFL Focused Climate Change Adaptation Planning V3.

FGCA 2020-7

Project	SFL-Focused Climate Change Adaptation Planning V3
Approved Funding:	\$7,910
Description:	In the FGCA's FFT sponsored 2016/17 report Adapting to a Changing Climate: A Report for Southern Region Sustainable Forest License Holders (FGCA March 2017), next steps included: • Communication of this report to central Ontario Crown forest managers and FGCA partners and • Follow up on opportunities and barriers to its use.