

FFT/MNRF Genetic Resource Management Program**2021-2022 Northeast Seed Management Association Approved Projects****NeSMA 2021-1**

Project	Jack Pine Seed Source Deployment Trials
Approved Funding	\$35,000
Description	The purpose of this project is to establish new jack pine trials in Northeastern Ontario from seeds obtained from several non-traditional sources as recommended in Dr. Dennis Joyce's 2017-18 report entitled "Adapting Seed Transfer Guidelines to the Changing Climate of Northeastern Ontario" and incorporating guidance provided in the Ontario Tree Seed Transfer Policy (2020).

NeSMA 2021-2

Project	Site Maintenance of Genetic Tests/Climate studies
Approved Funding	\$15,000
Description	This project connects with previous FGRM projects 2017-3 test establishment, 2018-1 & 2 Pj and Sb test establishment, 2019-1 planting and 2020-1 test assessments. The next step is continued site maintenance for all six sites – Dundonald, Foleyet, Burt, Bonner, Gauthier and Ingram Townships.

NeSMA 2021-3

Project	Jack Pine Crown Management
Approved Funding	\$30,000
Description	This project will allow for Crown management (Topping) in two jack pine, first generation seed orchards— Hambleton and Ramore. (total of approximately 5000 trees). By carrying out this prescription, cones will continue to be available for another 3-6 years, and will allow for new orchards to be developed and begin to produce cones for needs of the Partners. A secondary purpose of the project is to collect cones from the topped trees (partner funded) to capitalize on FFT funded flower induction treatments completed at these two sites in 2019 (FGRM project 2019 -3 Flower Induction)

NeSMA 2021-4

Project	Flower Induction Efficacy Test Comparison
Approved Funding	\$20,000
Description	In 2019, NeSMA purchased GA from a new supplier. Flower induction was carried out in two of NeSMAs spruce orchards with the intention of collecting cones in 2020. In 2020, the cone production was poor in these orchards. There are multiple factors that may have contributed to the poor cone crop and this project will conduct a comparison test with the remaining GA to determine if the chemical quality was problematic and at least in part responsible for the crop failure.