

SWTIA Program projects approved in 2024-25

Project	SWTIA 2024-C Annual Core Funding	
Association	Superior-Woods Tree Improvement Association	
Description	Core Funding	
Funding	\$	141,250.00

Project	SWTIA 2024-1 Maintain the Rainy Lake black spruce second-generation clonal orchard	
Association	Superior-Woods Tree Improvement Association	
Description	The project is proposing to remove competing trees from within the remaining untreated portion of the Rainy Lake breeding zone, black spruce second-generation clonal orchard. A silviculture contractor will be contracted to clear competing trees from within the black spruce clonal orchard located at the Emo Agricultural Research Station (EARS). The proposed maintenance activities will ensure that the high-value clonal seed orchard can continue to be managed to produce genetically-improved seed for use on Crown land.	
Funding	\$	12,000.00

Project	SWTIA 2024-2 Monitor and control jack pine budworm in a jack pine clonal orchard	
Association	Superior-Woods Tree Improvement Association	
Description	This project is proposing to monitor and protect the Eton-Rugby second-generation jack pine clonal seed orchard from defoliation by jack pine budworm (<i>Choristoneura pinus</i>). We are proposing to monitor in the jack pine clonal orchard for jack pine budworm larvae during the spring and early summer of 2024 and based on results from the monitoring to conduct control measures to protect the jack pine clonal orchard from defoliation caused by the jack pine budworm.	
Funding	\$	6,000.00

Project	SWTIA 2024-3 Establish grafted stock in the LNE black spruce second-generation clonal orchard.	
Association	Superior-Woods Tree Improvement Association	
Description	This project is proposing to establish grafted stock from elite selections in the Lake Nipigon East (LNE) breeding zone black spruce second-generation clonal seed orchard located at Appendix Lake near Longlac, Ontario.	
Funding	\$	10,000.00

Project	SWTIA 2024-4 Measure the Rainy Lake black spruce second-generation OP and elite progeny tests	
Association	Superior-Woods Tree Improvement Association	
Description	The project is proposing to measure the Rainy Lake breeding zone, black spruce second-generation open-pollinated (OP) series 2 tests and the control-pollinated elite progeny test to provide key information to guide future selection and estimate genetic gains. A silviculture contractor will be contracted to measure height in the second-generation OP series 2 progeny tests and the elite progeny test.	
Funding	\$	44,500.00

Project	SWTIA 2024-5 Analyse the Rainy Lake black spruce second-generation progeny test data	
Association	Superior-Woods Tree Improvement Association	

Description	This project is proposing to analyse height data collected in the summer of 2024 from the Rainy Lake breeding zone black spruce second-generation series 2 open-pollinated (OP) tests and the control-pollinated, elite test along with height data from series 1 OP tests collected in 2023. The results from the analysis will be used to guide selection and estimate genetic gains. A quantitative geneticist will be contracted to conduct the analysis following the Ontario data analysis protocols for tree improvement and estimating genetic gain.	
Funding	\$	8,000.00

Project	SWTIA 2024-6 Grafting for the LNE black spruce second-generation clonal orchard.	
Association	Superior-Woods Tree Improvement Association	
Description	This project is proposing to produce grafted stock from elite selections to establish in the Lake Nipigon East (LNE) breeding zone black spruce second-generation clonal seed orchard located at Appendix Lake, near Longlac, Ontario. The proposed activities will include 1) growing root stock, 2) storing root stock, 3) collecting scions (branch tips) from elite selections, and 4) grafting scions on to root stock in a greenhouse.	
Funding	\$	32,500.00