

Under Planting

The planting of young trees under the canopy of an existing stand of mature to over-mature trees. This will allow certain species to develop a better form while in partial shade, increase the regeneration stocking levels and try to ensure a future valuable crop to trees, prior to partial and/or clear-cutting of the overstory.

Eligibility Criteria:

- Stand must be in the mature to over-mature age class.
- Stand must be between 25-75% crown closure.
- Stand < 25% - Residuals should be removed and considered for full planting.
- Stand > 75%- Some type of partial cutting should be completed first and sufficient time allowed to assess natural regeneration stocking (2-5 years post harvest).
- Stocking levels of acceptable natural softwood and hardwood commercial species must be below 60%.
- Must have sufficient planting opportunities to accommodate 90% stocking of planted and natural regeneration.
- The present stand does not have the capability to provide desirable natural regeneration to the end of its maximum mature age.

Inspection Criteria:

- Minimum stocking of natural and planted trees must meet 90% and have 40-90% stocking of planted trees only.
- Density between 1,800-2,500 planted plus natural seedlings/ha.
- Must meet planting quality requirements using 40 sq. m. plots. A seedling is considered planted if all the following criteria are satisfied:
 - alive or estimated to have been alive when planted and planted properly
 - firmly imbedded to the root collar
 - roots must have mineral soil contact
 - no exposed roots
 - not broken below the top whorl
 - multiple stems are counted as one
 - not planted on a severe microsites
- Planted trees must be either softwood or hardwood with a minimum of intermediate for shade tolerance.
- Trees included are:

red spruce	sugar maple
black spruce	yellow birch
white pine	red oak
Eastern hemlock	white ash
Eastern white cedar	
black ash	

Other tolerant species may be considered.
Not intended for stand conversion.
Must be native species.

Under Planting - page 2

SNB Fund Assistance Rate:

\$0.32 / tree based upon the recognised gross cost of seedlings and planting of \$0.32 / tree. The number of trees required & for which assistance will be provided for a site will be determined from the lesser of the pre-treatment stocking or the post-treatment stocking adjustment calculations.

Landowner Commitment:

This treatment is not for aesthetics. Landowners must be aware of the need and be willing to perform partial or total harvesting once the planted and natural regeneration becomes established in the understory (minimum 0.5m in height with the roots penetrating into the mineral soil).

Inter Planting

The up grading of the stocking on a previously full-planted site to achieve 90% stocking.

Eligibility Criteria:

- Stocking level of previously planted site is between 60-90 %.

Inspection Criteria:

- Stocking level of site > 90% after inter-planting.
- Post-treatment density and stocking levels measured the same way as a plantation in the Silviculture manual.

SNB Fund Assistance Rate:

\$0.32 / tree based upon the recognised gross cost of seedlings and planting of \$0.32 / tree. The number of trees required & for which assistance will be provided for a site will be determined from the lesser of the pre-treatment stocking or the post-treatment stocking adjustment calculations.

- One time treatment only.