

Draft Minister's Order

Forest Act
(R.S.Q., c. F-4.1)

Value of silvicultural treatments

Notice is thereby given that the Order of the Minister of Natural Resources and Wildlife respecting the value of silvicultural treatments admitted as payment of dues for the May 1st 2006 to March 31st 2007 period the text of which appears below, may be edicted, with or without amendment, at the expiry of 10 days following this publication.

Any person having comments to make on this matter is asked to send them in writing, before the expiry of the 10-day period, to Mrs. Paule Têtu, Associate Deputy Minister to Forest Québec, Ministère des Ressources naturelles et de la Faune, 880, chemin Sainte-Foy, 10^e étage, Québec (Québec) G1S 4X4.

PIERRE CORBEIL,
*Minister of Natural Resources
and Wildlife*

**Order respecting the value of
silvicultural treatments admitted
as payment of dues for the period
from 1 May 2006 to 31 March 2007**

Forest Act
(R.S.Q., c. F-4.1, ss. 73.1 and 73.3)

1. The silvicultural treatments described in Schedule I shall be admitted as payment of the dues prescribed by the Minister responsible for the administration of the Forest Act (R.S.Q., c. F-4.1), amended by chapters 3 and 44 of the Statutes of 2005, as determined according to the production priority groups established in Schedule I.

Production priority refers to the production in the forest area in which the silvicultural treatments must be carried out.

2. The silvicultural treatments mentioned in Schedule I and their admissibility criteria are defined in the instructions relating to the application of this Order.

3. The value of an admissible silvicultural treatment for the period beginning on 1 May 2006 and ending on 31 March 2007 is the value indicated in Schedule II.

4. This Order replaces Minister's Order AM 2006-010 made by the Minister of Natural Resources and Wildlife on 23 March 2006.

5. This Order comes into force on 1 May 2006.

SCHEDULE I

(a. 1)

SILVICULTURAL TREATMENTS ADMISSIBLE BY PRODUCTION PRIORITY GROUPS

Silvicultural treatments	Production priority groups													
	Fir, spruce, jack pine, tamarack	Thuja	Poplar	White birch	Birch ¹ or Oak or intermediary tol. hard.	Pine	Maple or tsuga or tol. hard.	Pine-Birch (Pine) ¹	Pin-Bou (Bou) ¹	Mixed S-int.hard. (S) or S-int.hard. (hard.)	Mixed S-Birch (S) ¹ or S. intermediary tol.hard	Mixed S-Birch (hard.) ¹ or S-intermediary tol. hard.	Mixed S-Maple (S) or S-tol.hard. (S)	Mixed S-Maple (hard.) or S-int.hard. (hard.)
Progressive seed cutting	X ⁴	X		X	X	X	X	X	X	X	X	X	X	X
Seedlings reserve cutting	X ⁴	X		X	X	X	X	X	X	X	X	X	X	X
Strip cutting with regeneration and soil protection	X	X		X	X	X	X	X	X	X	X	X	X	X
Drainage	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Site preparation	X	X	X	X	X	X	X				X			
Planting	X	X	X	X	X	X	X				X			
Natural regeneration reinforcement planting	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pine seeding	X					X		X	X					
Mechanical release	X	X				X		X		X ⁵	X		X	
Precommercial thinning	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Phytosanitary pruning	X					X		X	X					
Commercial thinning	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fertilization	X													
Selection cutting		X						X						X
Selection and sanitation cutting		X						X						X
Preselection cutting								X						X
Preselection and sanitation cutting								X						X
Selection cutting for maple sap and wood production							X ²							
Selection cutting by patches					X				X			X		
Selection cutting and sanitation by patches					X				X			X		

Silvicultural treatments	Production priority groups												
	Fir, spruce, jack pine, tamarack	Thuja	Poplar	White birch	Birch ¹ or Oak or intermediary tol. hard.	Pine	Maple or tsuga or tol. hard.	Pine-Birch (Pine) ¹	Pin-Bou (Bou) ¹	Mixed S-int.hard. (S) or S-int.hard. (hard.)	Mixed S-Birch (S) ¹ or S. intermediary tol.hard	Mixed S-Birch (hard.) ¹ or S-intermediary tol. hard.	Mixed S-Maple (S) or S-tol.hard. (S)
Selection and regeneration cutting by parquets					X			X			X		
Selection cutting for single tree and group of trees					X						X		
Selection cutting and sanitation for single tree and group of trees					X						X		
Individual selective thinning					X								
Commercial thinning mixed stands S-Birch (hard.) with fir												X ³	
Spreading commercial thinning					X						X		
Improvement cutting		X											
Enrichment planting					X	X	X	X		X	X	X	X

1. For these priority productions, the yellow birch prevails over the white birch as the principal objective species.
2. For the priority production group maple, selection cutting for maple sap and wood production is possible.
3. For the yellow birch mixed stands (fir) with hardwood dominance.
4. Except for jack pine.
5. For mixt S-intolerant hardwood only.

SCHEDULE II

(ss. 2,3 and 4)

**VALUES OF SILVICULTURAL TREATMENTS
ADMITTED AS PAYMENT OF DUES MAY 1ST
2006 TO MARCH 31ST 2007*****SITE PREPARATION (1) EXECUTION PLANNING
AND
FOLLOWING UP****Scarification**

Anchor chains	\$130/ha	\$25/ha
Shark-fin barrels and chains	\$370/ha	\$25/ha
Hydraulic cone trenchers (Wadell type)	\$295/ha	\$25/ha
Hydraulic disk trenchers (TTS hydraulic and Donaren types) or Rake scarifier (shark)	\$235/ha	\$25/ha
Batch scarifier (Bracke) or disk trencher (TTS type)	\$170/ha	\$25/ha
Batch scarifier moulder (Bracke moulder)	\$235/ha	\$25/ha
“V” blade batch scarifier (Bracke) or disk trencher	\$465/ha	\$25/ha
Cutter-type portable scarifier or forest mattock (2)	\$490/1 000 microsites	\$11.36/1 000 microsites

Partial scarification in seed holes

Inside the patches	\$785/ha	\$25/ha
Inside the parquets	\$680/ha	\$25/ha
Inside the regeneration cuttings	\$600/ha	\$25/ha

Forest harrows (Rome et Crabe types)

Single pass	\$265/ha	\$25/ha
Double pass	\$480/ha	\$25/ha
36 inches harrow	\$585/ha	\$25/ha
Létourneau tree crusher	\$415/ha	\$25/ha

Ploughing and harrowing

Forest plough (Lazure type) + forest harrow (Rome and Crabes types)	\$1 445/ha	\$25/ha
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Clearing

Rake-equipped crawler tractor	\$525/ha	\$25/ha
Winter shear-blading with a shear-blade-equipped crawler tractor	\$535/ha	\$25/ha
Grouping feller	\$420/ha	\$25/ha
Rake equipped skidder	\$445/ha	\$25/ha
Hydraulic rake	\$445/ha	\$25/ha
Modified “V” blade models C and H	\$225/ha	\$25/ha

Prescribed burning \$445/ha \$25/ha

MECHANICAL RELEASE TREATMENT (2)

Boreal zone	\$780/ha	\$75/ha
Nordic tempered zone	\$875/ha	\$75/ha

PRECOMMERCIAL THINNING (2)

Priority production of softwoods, of mixed predominantly softwood stands, of poplars and of mixed predominantly intolerant hardwoods stands

EXECUTIONValue per hectare =
 $472.68 \times \ln(ti/ha) - 3\ 653.85$ \$65/haln: base *e* logarithm
ti: number of trees of more than 1.2 meter for
softwoods and 1.8 meter for hardwoods
ha: hectarePriority production of tolerant
hardwoods, of white birch,
of mixed predominantly
tolerant hardwood stands and
of associations constituted
of pines and birches \$935/ha \$65/ha**COMMERCIAL THINNING (3)**Softwoods and mixed with
softwood dominance \$70/ha**EXECUTION**Value per hectare with marking of trees to fell
= $265.77 / (\text{average DBH harvested} \times 0.0414)^2$ Value per hectare without marking of trees to fell
= $265.77 / (\text{average DBH harvested} \times 0.0414)^2 - 153.43$ Mixed with tolerant and
intolerant hardwoods (4) (5) \$630/ha \$70/ha
Mixed with tolerant hardwoods
– priority production yellow
birch and softwoods
with fir (5) (7) \$660/ha \$70/ha
Tolerant and intolerant
hardwoods (4) (5) \$660/ha \$70/ha
White pine and red pine \$325/ha \$70/ha**DRAINAGE**Cleared areas
(without prior felling) \$1.80/m or m³ \$0.08/ha
Wooded areas
(without prior felling) \$2.00/m or m³ \$0.08/ha
Wooded areas
(with prior felling) \$2.30/m or m³ \$0.08/ha

FERTILIZATION			PLANTING (2)		
Softwoods	\$410/ha	\$25/ha	With site preparation		
NATURAL REGENERATION FILL			Bare-root seedlings		
PLANTING AND RED PINE AND WHITE PINE PLANTING (2) (6)			Conventional size		
With site preparation			Large size		
Bare-root seedlings			Seedlings 1 1/2 to 2 meters height (hybrid poplars)		
Conventional size	\$285/1 000 seedlings	\$25/1 000 seedlings	Container seedlings	\$195/1 000 seedlings	\$20/1 000 seedlings
Large size	\$435/1 000 seedlings	\$25/1 000 seedlings	45-110 or cuttings	\$220/1 000 seedlings	\$20/1 000 seedlings
Seedlings 1 1/2 to 2 meters height (hybrid poplars)	\$660/1 000 seedlings	\$25/1 000 seedlings	25-200	\$295/1 000 seedlings	\$20/1 000 seedlings
Container seedlings			45-340 or 25-350-A	\$340/1 000 seedlings	\$20/1 000 seedlings
67-50	\$235/1 000 seedlings	\$25/1 000 seedlings	Mini-recipients 126-25	\$185/1 000 seedlings	\$20/1 000 seedlings
45-110 or cuttings	\$265/1 000 seedlings	\$25/1 000 seedlings	Without site preparation		
25-200	\$340/1 000 seedlings	\$25/1 000 seedlings	Bare-root seedlings		
45-340 and 25-350-A	\$385/1 000 seedlings	\$25/1 000 seedlings	Conventional size		
Mini recipients 126-25	\$205/1 000 seedlings	\$25/1 000 seedlings	Large size		
Without site preparation			Container seedlings		
Bare-root seedlings			67-50		
Conventional size	\$300/1 000 seedlings	\$25/1 000 seedlings	45-110 or cuttings		
Large size	\$455/1 000 seedlings	\$25/1 000 seedlings	25-200		
Container seedlings			45-340 or 25-350-A		
67-50	\$250/1 000 seedlings	\$25/1 000 seedlings	Mini-recipients 126-25		
45-110 or cuttings	\$280/1 000 seedlings	\$25/1 000 seedlings	ENRICHMENT AND REINFORCEMENT		
25-200	\$355/1 000 seedlings	\$25/1 000 seedlings	PLANTING OF HARDWOODS		
45-340 or 25-350-A	\$400/1 000 seedlings	\$25/1 000 seedlings	AND PINE (2)		
Mini-recipients 126-50	\$220/1 000 seedlings	\$25/1 000 seedlings	\$580/1 000 seedlings		
PROGRESSIVE SEED CUTTING (3)			\$25/1 000 seedlings		
Softwoods	\$590/ha	\$70/ha	SPREADING COMMERCIAL		
Mixed with tolerant and intolerant hardwoods (4)	\$345/ha	\$70/ha	THINNING (3) (5)		
Tolerant and intolerant hardwoods (4)	\$345/ha	\$70/ha	\$660/ha		
STRIP CUTTING WITH REGENERATION AND SOIL PROTECTION (3)			INDIVIDUAL SELECTIVE		
	\$240/ha	\$70/ha	THINNING (3) (5)		
			Tolerant hardwood		
			\$660/ha		
			\$70/ha		

IMPROVEMENT CUTTING (3) (5)

Softwoods (cedars)	\$660/ha	\$70/ha
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SELECTION CUTTING (3) (5)

Tolerant hardwood	\$660/ha	\$70/ha
Mixed with tolerant hardwood	\$660/ha	\$70/ha
Softwoods (cedars)	\$660/ha	\$70/ha

SELECTION CUTTING AND SANITATION (3) (5)

Tolerant hardwood	\$660/ha	\$70/ha
Mixed with tolerant hardwood	\$660/ha	\$70/ha

SELECTION CUTTING BY
PATCHES (3) (5)

	\$660/ha	\$70/ha
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SELECTION CUTTING AND SANITATION BY PATCHES (3) (5)

Tolerant hardwood	\$660/ha	\$70/ha
Mixed with tolerant hardwood	\$660/ha	\$70/ha
Mixed with tolerant hardwood and pines	\$660/ha	\$70/ha

SELECTION CUTTING FOR
TREE AND GROUP OF TREES (3) (5) (7)

Tolerant hardwood	\$660/ha	\$70/ha
Mixed with tolerant hardwood	\$660/ha	\$70/ha

SELECTION CUTTING AND SANITATION
FOR TREE AND GROUP OF TREES (3) (5) (7)

Tolerant hardwood	\$660/ha	\$70/ha
Mixed with tolerant hardwood	\$660/ha	\$70/ha

SELECTION AND REGENERATION
CUTTING BY PARQUETS (3) (5)

	\$620/ha	\$70/ha
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SEEDLINGS RESERVE
CUTTING

	\$20/ha	\$70/ha
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PRESELECTION CUTTING (3) (5)

Tolerant hardwood	\$660/ha	\$70/ha
Mixed with tolerant hardwood	\$660/ha	\$70/ha

PRESELECTION CUTTING AND SANITATION (3) (5)

Tolerant hardwood	\$660/ha	\$70/ha
Mixed with tolerant hardwood	\$660/ha	\$70/ha

PINE SEEDING

Aerial seeding	\$40/ha	\$20/ha
Ground seeding	\$155/ha	\$20/ha
Funnels	\$345/1 000 microsites seeded	\$20/1 000 microsites seeded

SELECTION CUTTING FOR
MAPLE SAP AND WOOD
PRODUCTION (3) (5)

	\$660/ha	\$70/ha
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PHYTOSANITARY PRUNING

	\$450 \$/ha	\$75/ha
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* To know the percentage of a silvicultural treatment value which is admitted as paiement of royalties, refer to section 11 and following of the Regulation Respecting Forest Royalties.

(1) The execution value of the treatment can be increased by 2.6% when the silvicultural treatment is realized from forest camps whose admissibility criterias are defined in the relative instructions to the application of the present order.

(2) The execution value of the treatment can be increased by 7.8% when the silvicultural treatments are realized from forest camps whose admissibility criterias are defined in the relative instructions to the application of the present order.

(3) The execution value of the treatment includes some harvesting, road construction, supervision or tree marking costs.

(4) The execution value of the treatment can be increased by \$60/ha when the marking of trees takes into account the trees to preserve.

(5) The execution value of the treatment is increased by \$30 when felling and skidding paths are flagged.

(6) Excluding fill planting with white and red pines and tolerant hardwoods.

(7) The execution value of the treatment can be increase by \$200/ha if valid patches according to official instructions was created during harvest operation.

Note: The expression "tolerant hardwoods" includes white pine and red pine.