

M.O., 2005**Order number AM 2005-009 of the Minister
of Natural Resources and Wildlife dated
23 March 2005**

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

RESPECTING the value of silvicultural treatments
admitted as payment of dues for the fiscal year 2005-
2006

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), modified by chapter 6, 11 and 20 of the law of 2004, as determined by the production priority groups described in Schedule I.

The silvicultural treatments are realized on the forest area where the priority production has to be performed.

2. The silvicultural treatments mentioned in Schedule I and their admissibility criterias are defined in the relative instructions to the application of the present Order.

3. The values admitted as payment of dues for the 2005-2006 fiscal year correspond at 90% of the values established in Schedule II.

4. The values of the silvicultural treatments established in Schedule II do cover only the costs related to the execution of the treatments. Consequently, the costs not related to their execution, as described in the second subsection of section 11 of the Regulation respecting forest royalties, edicted by Order in Council 192-2002 of February 28th 2002, are to be assumed by the beneficiary of the timber licence and are not admitted as payment of dues.

5. This Minister's Order replaces Minister's Order AM 2004-010 of 25 March 2004.

6. This Minister's Order comes into force on 1 April 2005.

Québec, 23 March 2005

PIERRE CORBEIL,
Minister of Natural Resources and Wildlife

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	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
FISCAL YEAR 2005-2006****SITE PREPARATION (1)**

Scarification

Anchor chains	\$125/ha
Shark-fin barrels and chains	\$355/ha
Hydraulic cone trenchers (Wadell type)	\$280/ha
Hydraulic disk trenchers (TTS hydraulic and Donaren types) or Rake scarifier (shark)	\$225/ha
Batch scarifier (Bracke) or disk trencher (TTS type)	\$160/ha
Batch scarifier moulder (Bracke moulder)	\$220/ha
“V” blade batch scarifier (Bracke) or disk trencher	\$445/ha
Cutter-type portable scarifier or forest mattock (2)	\$465/1 000 microsites

Partial scarification in seed holes

Inside the patches and group of trees	\$750/ha
Inside the parquets	\$650/ha
Inside the regeneration cuttings	\$570/ha

Forest harrows (Rome et Crabe types)

Single pass	\$255/ha
Double pass	\$455/ha
36 inches harrow	\$560/ha
Létourneau tree crusher	\$395/ha

Ploughing and harrowing

Forest plough (Lazure type) + forest harrow (Rome and Crabes types)	\$1 375/ha
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Clearing

Rake-equipped crawler tractor	\$500/ha
Winter shear-blading with a shear-blade-equipped crawler tractor	\$510/ha
Grouping feller	\$400/ha
Rake equipped skidder	\$425/ha
Hydraulic rake	\$425/ha
Modified “V” blade models C and H	\$215/ha

Prescribed burning	\$430/ha
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MECHANICAL RELEASE TREATMENT (2)

Boreal zone	\$760/ha
Nordic temperated zone	\$855/ha

PRECOMMERCIAL THINNING (2)

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

Value per hectare = $462.72 \times \ln(ti/ha) - 3\,576.86$

ln: base *e* logarithm

ti: number of trees of more than 1.2 meter for
softwoods and 1.8 meter for hardwoods

ha: hectare

Priority production of tolerant hardwoods,
of white birch, of mixed predominantly
tolerant hardwood stands and of
associations constituted of pines
and birches \$915/ha

COMMERCIAL THINNING (3)

Softwoods and mixed with softwood dominance

Value per hectare with marking of trees to fell
= $260.16 / (\text{average DBH harvested} \times 0.0414)^2$

Value per hectare without marking of trees to fell
= $260.16 / (\text{average DBH harvested} \times 0.0414)^2 - 150$

Mixed with tolerant and intolerant
hardwoods (4) (5) \$615/ha

Mixed with tolerant hardwoods
– priority production yellow birch
and softwoods with fir (5) \$385/ha

Tolerant and intolerant hardwoods (4) (5) \$325/ha

DRAINAGE

Cleared areas (without prior felling)	\$1.75/m or m ³
Wooded areas (without prior felling)	\$1.95/m or m ³
Wooded areas (with prior felling)	\$215/m or m ³

FERTILIZATION

Softwoods	\$400/ha
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**NATURAL REGENERATION REINFORCEMENT
PLANTING RED PINE AND WHITE PINE PLANTING (2)**

With site preparation

Bare-root seedlings	
Conventional size	\$255/1 000 seedlings
Large size	\$405/1 000 seedlings
Hybrid poplars	\$625/1 000 saplings

Container seedlings		ENRICHMENT AND REINFORCEMENT	
67-50	\$210/1 000 seedlings	PLANTING OF HARDWOODS	
45-110 or cuttings	\$220/1 000 seedlings	AND PINE (2)	\$565/1 000 seedlings
25-200	\$310/1 000 seedlings		
45-340 and 25-350-A	\$355/1 000 seedlings	SPREADING COMMERCIAL	
Mini recipients 126-25	\$200/1 000 seedlings	THINNING (3) (5)	\$325/ha
Without site preparation		INDIVIDUAL SELECTIVE THINNING (3) (5)	
Bare-root seedlings			
Conventional size	\$275/1 000 seedlings	Tolerant hardwood	\$385/ha
Large size	\$420/1 000 seedlings		
Container seedlings		IMPROVEMENT CUTTING (3) (5)	
67-50	\$225/1 000 seedlings		
45-110 or cuttings	\$235/1 000 seedlings	Softwoods (cedars)	\$310/ha
25-200	\$325/1 000 seedlings		
45-340 or 25-350-A	\$370/1 000 seedlings	SELECTION CUTTING (3) (5)	
Mini-recipients 126-50	\$215/1 000 seedlings		
		Tolerant hardwood	\$325/ha
PROGRESSIVE SEED CUTTING (3)		Mixed with tolerant hardwood	\$325/ha
		Softwoods (cedars)	\$310/ha
Softwoods	\$575/ha		
Mixed with tolerant and intolerant		SELECTION CUTTING AND SANITATION (3) (5)	
hardwoods (4)	\$325/ha		
Tolerant and intolerant hardwoods (4)	\$325/ha	Tolerant hardwood	\$325/ha
		Mixed with tolerant hardwood	\$325/ha
STRIP CUTTING WITH REGENERATION			
AND SOIL PROTECTION (3)	\$230/ha	SELECTION CUTTING BY PATCHES (3) (5)	\$325/ha
PLANTING (2)		SELECTION CUTTING AND SANITATION	
		BY PATCHES (3) (5)	
With site preparation			
Bare-root seedlings		Tolerant hardwood	\$325/ha
Conventional size	\$235/1 000 seedlings	Mixed with tolerant hardwood	\$325/ha
Large size	\$380/1 000 seedlings	Mixed with tolerant hardwood and pines	\$325/ha
Hybrid poplars	\$600/1 000 saplings		
Container seedlings		SELECTION CUTTING FOR TREE	
67-50	\$190/1 000 seedlings	AND GROUP OF TREES (3) (5)	
45-110 or cuttings	\$195/1 000 seedlings		
25-200	\$285/1 000 seedlings	Tolerant hardwood	\$325/ha
45-340 or 25-350-A	\$330/1 000 seedlings	Mixed with tolerant hardwood	\$325/ha
Mini-recipients 126-25	\$180/1 000 seedlings		
		SELECTION CUTTING AND SANITATION	
Without site preparation		FOR TREE AND GROUP OF TREES (3) (5)	
Bare-root seedlings			
Conventional size	\$250/1 000 seedlings	Tolerant hardwood	\$325/ha
Large size	\$395/1 000 seedlings	Mixed with tolerant hardwood	\$325/ha
Container seedlings			
67-50	\$205/1 000 seedlings	SELECTION AND REGENERATION	
45-110 or cuttings	\$215/1 000 seedlings	CUTTING BY PARQUETS (3) (5)	\$305/ha
25-200	\$305/1 000 seedlings		
45-340 or 25-350-A	\$350/1 000 seedlings	SEEDLINGS RESERVE CUTTING	\$20/ha
Mini-recipients 126-25	\$195/1 000 seedlings		

PRESELECTION CUTTING (3) (5)

Tolerant hardwood	\$325/ha
Mixed with tolerant hardwood	\$325/ha

PRESELECTION CUTTING AND SANITATION (3) (5)

Tolerant hardwood	\$325/ha
Mixed with tolerant hardwood	\$325/ha

PINE SEEDING

Aerial seeding	\$40/ha
Ground seeding	\$150/ha
Funnels	\$335/1 000 microsites seeded

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

\$390/ha

PHYTOSANITARY PRUNING

\$440/ha

(1) The value admitted as payment of dues can be increased by 2.6% 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.

(2) The value admitted as payment of dues 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 value admitted as payment of dues includes some harvesting, road construction, supervision or tree marking costs.

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

(5) The value admitted as payment of dues is increased by \$30 when felling and unloading paths are flagged.

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