

Draft Minister's Order

Forest Act
(R.S.Q., c. F-4.1; 2003, c. 8 and 16)

Value of silvicultural treatments

Notice is thereby given that the Order of the Minister of Natural Resources, Wildlife and Parks and the Minister for Forests, Wildlife and Parks respecting the value of silvicultural treatments admitted as payment of dues for the 2004-2005 fiscal year, the text of which appears below, may be edicted, with or without amendment, at the expiry of 30 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 30-day period, to Mr Marc Ledoux, Associate Deputy Minister for Forests, Ministère des Ressources naturelles, de la Faune et des Parcs, 880, chemin Sainte-Foy, 10^e étage Québec (Québec) G1S 4X4.

PIERRE CORBEIL, <i>Minister for Forests, Wildlife and Parks</i>	SAM HAMAD, <i>Minister of Natural Resources, Wildlife and Parks</i>
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Order respecting the value of silvicultural treatments admitted as payment of dues for the fiscal year 2004-2005

Forest Act
(R.S.Q., c. F-4.1, ss. 73.1 and 73.3; 2003, c. 16)

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 8 and 16 of the law of 2003, 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 II and their admissibility criterias are defined in the relative instructions to the application of the present Order.

3. The values of such silvicultural treatments for the 2004-2005 fiscal year are those 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 paragraph 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 2003-008 of 24 March 2003.

6. This Minister's Order comes into force on 1 April 2004.

SCHEDULE I

(s.1)

SILVICULTURAL TREATMENTS ADMISSIBLE BY PRODUCTION PRIORITY GROUPS

Silvicultural treatments	Production priority groups													
	Fir, spruce, jack pine, tamarack	Thuja	Poplar	White birch	Birch1 or Oak or intermediary tol. hard.	Pine	Maple or tsuga or tol. hard.	Pine-Birch (Pine)'	Pin-Bou'	Mixed S-int.hard. (S) or S-int.hard. (hard.)	Mixed S-Birch (S)'	Mixed S-Birch (hard.)'	Mixed S-Maple (S) or S-tol.hard. (S)	Mixed S-Maple (hard.) or S-int..hard. (hard.)
Progressive seed cutting	X ³	X		X	X	X	X	X	X	X	X	X	X	X
Seedlings reserve cutting	X ³	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
Mosaics cutting with regeneration and soil protection	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Drainage	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	X	X	X	X	X	X	X	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
Preselection cutting							X							X
Preselection and sanitation cutting							X							X
Selection cutting for maple sap and wood production							X							
Selection cutting by patches					X				X		X			

Silvicultural treatments	Production priority groups												
	Fir, spruce, jack pine, tamarack	Thuja	Poplar	White birch	Birch1 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	Mixed S-Birch (hard.) ¹	Mixed S-Maple (S) or S-tol.hard. (S)
Selection cutting and sanitation by patches					X				X			X	
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 ²
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 yellow birch mixed stands (fir) with hardwood dominance.

3. Except for jack pine.

SCHEDULE II

(ss. 2, 3 and 4)

VALUES OF SILVICULTURAL TREATMENTS ADMITTED AS PAYMENT OF DUES FISCAL YEAR 2004-2005

SITE PREPARATION

Scarification

Anchor chains	120 \$/ha
Shark-fin barrels and chains	340 \$/ha
Hydraulic cone trenchers (Wadell type)	270 \$/ha
Hydraulic disk trenchers (TTS hydraulic and Donaren types)	
or Rake scarifier (shark)	215 \$/ha

Batch scarifier (Bracke)

or disk trencher (TTS type) 155 \$/ha

Batch scarifier moulder

(Bracke moulder) 210 \$/ha

«V» blade batch scarifier (Bracke)

or disk trencher 425 \$/ha

Cutter-type portable scarifier

or forest mattock (1) 465 \$/1 000 microsites

Partial scarification in seed holes

Inside the patches and group of trees 715 \$/ha

Inside the parquets 620 \$/ha

Inside the regeneration cuttings 545 \$/ha

Forest harrows (Rome et Crabe types)		Mixed with tolerant hardwoods	
Single pass	245 \$/ha	– priority production	385 \$/ha
Double pass	435 \$/ha	Tolerant and intolerant hardwoods (3)	325 \$/ha
36 inches harrow	535 \$/ha		
Létourneau tree crusher	375 \$/ha		
Ploughing and harrowing		DRAINAGE	
Forest plough (Lazure type) + forest harrow (Rome and Crabes types)	1 315 \$/ha	Cleared areas (without prior felling)	1,65 \$/m or m ³
		Wooded areas (without prior felling)	1,85 \$/m or m ³
		Wooded areas (with prior felling)	2,10 \$/m or m ³
Clearing		FERTILIZATION	
Rake-equipped crawler tractor	480 \$/ha	Softwoods	385 \$/ha
Winter shear-blading with a shear-blade-equipped crawler tractor	490 \$/ha		
Grouping feller	385 \$/ha	NATURAL REGENERATION REINFORCEMENT PLANTING	
Rake equipped skidder	405 \$/ha	RED PINE AND WHITE PINE PLANTING (1)	
Hydraulic rake	405 \$/ha		
Modified «V» blade models C and H	205 \$/ha	With site preparation	
Prescribed burning	420 \$/ha	Bare-root seedlings	
		Conventional size	245 \$/1 000 seedlings
MECHANICAL RELEASE TREATMENT (1)		Large size	390 \$/1 000 seedlings
Boreal zone	730 \$/ha	Hybrid poplars	600 \$/1 000 saplings
Nordic temperated zone	820 \$/ha	Container seedlings	
		67-50	200 \$/1 000 seedlings
PRECOMMERCIAL THINNING (1)		45-110 or cuttings	210 \$/1 000 seedlings
Priority production of softwoods, of mixed predominantly softwood stands, of poplars and of mixed predominantly intolerant hardwoods stands		25-200	295 \$/1 000 seedlings
Value per hectare = $442,87 \times \ln(ti/ha) - 3 423,42$		45-340 and 25-350-A	340 \$/1 000 seedlings
In: base <i>e</i> logarithm			
ti: number of trees of more than 1,2 meter for softwoods and 1,8 meter for hardwoods		Without site preparation	
ha: hectare		Bare-root seedlings	
		Conventional size	260 \$/1 000 seedlings
Priority production of tolerant hardwoods, of white birch, of mixed predominantly tolerant hardwood stands and of associations constituted of pines and birches	875 \$/ha	Large size	405 \$/1 000 seedlings
		Container seedlings	
COMMERCIAL THINNING (2)		67-50	215 \$/1 000 seedlings
Softwoods and mixed with softwood dominance		45-110 or cuttings	225 \$/1 000 seedlings
Value per hectare with marking of trees to fell = $242,66 / (\text{average DBH harvested} \times 0,0414)^2$		25-200	310 \$/1 000 seedlings
Value per hectare without marking of trees to fell = $242,66 / (\text{average DBH harvested} \times 0,0414)^2 - 150$		45-340 or 25-350-A	355 \$/1 000 seedlings
Mixed with tolerant and intolerant hardwoods (3)	600 \$/ha	PROGRESSIVE SEED CUTTING (2) (3)	
		Softwoods	550 \$/ha
		Mixed with tolerant and intolerant hardwoods	325 \$/ha
		Tolerant and intolerant hardwoods	325 \$/ha
		STRIP CUTTING WITH REGENERATION AND SOIL PROTECTION (2)	225 \$/ha
		PLANTING (1)	
		With site preparation	
		Bare-root seedlings	
		Conventional size	225 \$/1 000 seedlings
		Large size	365 \$/1 000 seedlings
		Hybrid poplars	575 \$/1 000 saplings
		Container seedlings	
		67-50	180 \$/1 000 seedlings
		45-110 or cuttings	190 \$/1 000 seedlings
		25-200	275 \$/1 000 seedlings
		45-340 or 25-350-A	315 \$/1 000 seedlings

Without site preparation			PRESELECTION CUTTING AND	
Bare-root seedlings			SANITATION (2)	
Conventional size	240	\$/1 000 seedlings	Tolerant hardwood	325 \$/ha
Large size	380	\$/1 000 seedlings	Mixed with tolerant hardwood	325 \$/ha
Container seedlings				
67-50	195	\$/1 000 seedlings	PINE SEEDING	
45-110 or cuttings	205	\$/1 000 seedlings	Aerial seeding	40 \$/ha
25-200	290	\$/1 000 seedlings	Ground seeding	145 \$/ha
45-340 or 25-350-A	330	\$/1 000 seedlings	Funnels	320 \$/1 000 microsites seeded
ENRICHMENT AND REINFORCEMENT PLANTING OF HARDWOODS AND PINE (1)	540	\$/1 000 seedlings	SELECTION CUTTING FOR MAPLE SAP AND WOOD PRODUCTION (2)	390 \$/ha
SPREADING COMMERCIAL THINNING (2)	325	\$/ha	MOSAICS CUTTING WITH REGENERATION AND SOIL PROTECTION (4)	
INDIVIDUAL SELECTIVE THINNING (2)	385	\$/ha	Inaccessible zones	155 \$/ha
IMPROVEMENT CUTTING (2)			Accessible zones	55 \$/ha
Cedar	310	\$/ha	PHYTOSANITARY PRUNING	430 \$/ha
SELECTION CUTTING (2)				
Tolerant hardwood	325	\$/ha		
Mixed with tolerant hardwood	325	\$/ha		
Cedar	310	\$/ha		
SELECTION CUTTING AND SANITATION (2)				
Tolerant hardwood	325	\$/ha		
Mixed with tolerant hardwood	325	\$/ha		
SELECTION CUTTING BY PATCHES (2)	325	\$/ha		
SELECTION CUTTING AND SANITATION BY PATCHES (2)				
Tolerant hardwood	325	\$/ha		
Mixed with tolerant hardwood	325	\$/ha		
Mixed with tolerant hardwood and pines	325	\$/ha		
SELECTION CUTTING AND SANITATION FOR TREE AND GROUP OF TREES				
Tolerant hardwood	325	\$/ha		
Mixed with tolerant hardwood	325	\$/ha		
SELECTION AND REGENERATION CUTTING BY PARQUETS (2)	305	\$/ha		
SEEDLINGS RESERVE CUTTING	20	\$/ha		
PRESELECTION CUTTING (2)				
Tolerant hardwood	325	\$/ha		
Mixed with tolerant hardwood	325	\$/ha		

(1) 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.

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

(3) 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.

(4) The inaccessible zones are the forest tarification zones appearing at Schedule I of the Regulation respecting forest royalties, as modified by Order in Council 192-2002 of February 27th 2002, and having the following numbers: 220, 227, 228, 229, 230, 231, 232, 233, 236, 237, 239, 837, 838, 839, 840, 841, 842, 913, 914, 915, 916, 917, 918, 919, 920, 922, 923. The accessible zones are all the other forest tarification zones appearing in that Schedule that do not have the numbers previously indicated.

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