

## Draft Minister's Order

Forest Act  
(R.S.Q., c. F-4.1; 2004, c. 6, 11 and 20)

### 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 2005-2006 fiscal year, the text of which appears below, may be edicted, with or without amendment, at the expiry of 25 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 25-day period, to:

Mr Marc Ledoux  
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*Minister for Forests,*    *Minister of Natural Resources,*  
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### Order respecting the value of silvicultural treatments admitted as payment of dues for the fiscal year 2005-2006

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), 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 the Minister for Forests, Wildlife and Parks and the Minister of Natural Resources, Wildlife and Parks, dated 25 March 2004.

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

**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 <sup>1</sup> or Oak or intermediary tol. hard.	Pine	Maple or tsuga or tol. hard.	Pine-Birch (Pine) <sup>1</sup>	Pin-Bou (Bou) <sup>1</sup>	Mixed S-int.hard. (S) or S-int.hard. (hard.)	Mixed S-Birch (S) <sup>1</sup> or S. intermediary tol.hard	Mixed S-Birch (hard.) <sup>1</sup> or S-intermediary tol. hard.	Mixed S-Maple (S) or S-tol.hard. (S)
Progressive seed cutting	X <sup>4</sup>	X		X	X	X	X	X	X	X	X	X	X
Seedlings reserve cutting	X <sup>4</sup>	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
Drainage	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
Pine seeding	X					X		X	X				
Mechanical release	X	X				X		X		X <sup>5</sup>	X		X
Precommercial thinning	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
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 <sup>2</sup>					
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 <sup>1</sup> or Oak or intermediary tol. hard.	Pine	Maple or tsuga or tol. hard.	Pine-Birch (Pine) <sup>1</sup>	Pin-Bou (Bou) <sup>1</sup>	Mixed S-int.hard. (S) or S-int.hard. (hard.)	Mixed S-Birch (S) <sup>1</sup> or S. intermediary tol.hard	Mixed S-Birch (hard.) <sup>1</sup> 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 <sup>3</sup>	
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 hardwoods stands

Value per hectare =  $462,10 \times \ln(\text{ti}/\text{ha}) - 3\,572,05$

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  
=  $259,82 / (\text{average DBH harvested} \times 0,0414)^2$

Value per hectare without marking of trees to fell  
=  $259,82 / (\text{average DBH harvested} \times 0,0414)^2 - 150$

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 <sup>3</sup>
Wooded areas (without prior felling)	1,95 \$/m or m <sup>3</sup>
Wooded areas (with prior felling)	2,15 \$/m or m <sup>3</sup>

**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
		INDIVIDUAL SELECTIVE THINNING (3) (5)	
Without site preparation			
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

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(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.