

**M.O., 2006****Order number AM 2006-015 respecting the value of silvicultural treatments admitted as payment of dues for the fiscal year 2006-2007 dated 10 May 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) 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 2006-2007 fiscal year 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 at the date of its publication.

Québec, 10 May 2006

PIERRE CORBEIL,  
*Minister of Natural Resources and Wildlife*

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**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.) 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 <sup>4</sup>	X		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	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 <sup>5</sup>	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 <sup>2</sup>							
Selection cutting by patches					X				X		X			

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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 <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 FOR  
THE 2006-2007 FISCAL YEAR\*****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	\$11/1 000 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 temperated 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

## EXECUTION

Value 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) \$660/ha \$70/haMixed with tolerant hardwoods  
– priority production yellow  
birch and softwoods  
with fir (5) (7) \$660/ha \$70/haTolerant and intolerant  
hardwoods (4) (5) \$660/ha \$70/ha

White pine and red pine \$660/ha \$70/ha

## DRAINAGE

Cleared areas (without prior felling)	\$1.80/m or m <sup>3</sup>	\$0.08/m ou m <sup>3</sup>
Wooded areas (without prior felling)	\$2.00/m or m <sup>3</sup>	\$0.08/m ou m <sup>3</sup>
Wooded areas (with prior felling)	\$2.30/m or m <sup>3</sup>	\$0.08/m ou m <sup>3</sup>

## FERTILIZATION

Softwoods	\$410/ha	\$25/ha
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## NATURAL REGENERATION FILL

## PLANTING AND RED PINE AND WHITE PINE PLANTING (2) (6)

With site preparation		
Bare-root seedlings		
Conventional size	\$285/1 000 seedlings	\$30/1 000 seedlings
Large size	\$435/1 000 seedlings	\$30/1 000 seedlings
Seedlings 1½ to 2 meters height (hybrid poplars)	\$660/1 000 seedlings	\$30/1 000 seedlings
Container seedlings		
67-50	\$235/1 000 seedlings	\$30/1 000 seedlings
45-110 or cuttings	\$265/1 000 seedlings	\$30/1 000 seedlings
25-200	\$340/1 000 seedlings	\$30/1 000 seedlings
45-340 and 25-350-A	\$385/1 000 seedlings	\$30/1 000 seedlings
Mini recipients 126-25	\$205/1 000 seedlings	\$30/1 000 seedlings
Without site preparation		
Bare-root seedlings		
Conventional size	\$300/1 000 seedlings	\$30/1 000 seedlings
Large size	\$455/1 000 seedlings	\$30/1 000 seedlings
Container seedlings		
67-50	\$250/1 000 seedlings	\$30/1 000 seedlings
45-110 or cuttings	\$280/1 000 seedlings	\$30/1 000 seedlings
25-200	\$355/1 000 seedlings	\$30/1 000 seedlings
45-340 or 25-350-A	\$400/1 000 seedlings	\$30/1 000 seedlings
Mini-recipients 126-50	\$220/1 000 seedlings	\$30/1 000 seedlings

## PROGRESSIVE SEED CUTTING (3)

Softwoods	\$590/ha	\$70/ha
Mixed with tolerant and intolerant hardwoods (4)	\$345/ha	\$70/ha
Tolerant and intolerant hardwoods (4)	\$345/ha	\$70/ha

## STRIP CUTTING WITH REGENERATION

AND SOIL PROTECTION (3)	\$240/ha	\$70/ha
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## PLANTING (2)

With site preparation		
Bare-root seedlings		
Conventional size	\$240/1 000 seedlings	\$20/1 000 seedlings
Large size	\$390/1 000 seedlings	\$20/1 000 seedlings
Seedlings 1½ to 2 meters height (hybrid poplars)	\$615/1 000 seedlings	\$20/1 000 seedlings
Container seedlings		
67-50	\$195/1 000 seedlings	\$20/1 000 seedlings
45-110 or cuttings	\$220/1 000 seedlings	\$20/1 000 seedlings
25-200	\$295/1 000 seedlings	\$20/1 000 seedlings
45-340 or 25-350-A	\$340/1 000 seedlings	\$20/1 000 seedlings
Mini-recipients 126-25	\$185/1 000 seedlings	\$20/1 000 seedlings
Without site preparation		
Bare-root seedlings		
Conventional size	\$260/1 000 seedlings	\$20/1 000 seedlings
Large size	\$405/1 000 seedlings	\$20/1 000 seedlings
Container seedlings		
67-50	\$210/1 000 seedlings	\$20/1 000 seedlings
45-110 or cuttings	\$240/1 000 seedlings	\$20/1 000 seedlings
25-200	\$310/1 000 seedlings	\$20/1 000 seedlings
45-340 or 25-350-A	\$355/1 000 seedlings	\$20/1 000 seedlings
Mini-recipients 126-25	\$200/1 000 seedlings	\$20/1 000 seedlings

## ENRICHMENT AND REINFORCEMENT

PLANTING OF HARDWOODS AND PINE (2)	\$580/1 000 seedlings	\$30/1 000 seedlings
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SPREADING COMMERCIAL THINNING (3) (5)	\$660/ha	\$70/ha
INDIVIDUAL SELECTIVE THINNING (3) (5)		
Tolerant hardwood	\$660/ha	\$70/ha
IMPROVEMENT CUTTING (3) (5)		
Softwoods (cedars)	\$660/ha	\$70/ha
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
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
SEEDLINGS RESERVE CUTTING	\$20/ha	\$70/ha
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	\$20/1 000
	microsites seeded	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

\* To know the percentage of a silvicultural treatment value which is admitted as payment of royalties, refer to section 11 and following of the Regulation Respecting Forest Royalties. The values of the treatments apply either to in-house or contracted work.

(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/ha 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.