

M.O., 2003**Order number AM 2003-008 of the Minister of Natural Resources dated 24 March 2003 respecting the value of silvicultural treatments admitted as payment of dues for the fiscal year 2003-2004**

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 25 and 68 of the law of 2002, 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 2003-2004 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 number 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 number AM 2002-003 of 19 March 2002.

6. This Minister's Order comes into force on 1 April 2003.

Québec, 24 March 2003

FRANÇOIS GENDRON,
Minister of Natural Resources

SCHEDULE I

(s. 1)

SILVICULTURAL TREATMENTS ADMISSIBLE BY PRODUCTION PRIORITY GROUPS

Silvicultural treatments admissible	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	Pine-Birch (Birch) 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)	Mixed S-Maple (hard.) or S-int.hard. (hard.)
Precommercial thinning	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fertilization	X													
Commercial thinning	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Spreading commercial thinning					X							X		
Pine seeding	X					X		X	X					
Improvement cutting		X												
Selection cutting		X					X							X
Selection cutting by patches					X				X			X		
Selection and regeneration cutting by parquets					X				X			X		
Selection cutting for maple and wood production							X							X
Preselection cutting							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
Progressive seed cutting	X	X		X	X	X	X	X	X	X	X	X	X	X
Planting	X	X	X	X	X	X	X				X			
Site preparation, natural regeneration reinforcement planting and mechanical release treatment	X	X			X	X		X	X	X	X	X	X	X
Drainage	X	X												
Seedlings reserve cutting					X				X			X		X
Phytosanitary pruning	X					X		X	X					
Enrichment planting					X		X	X	X		X	X	X	X

1 For these priority productions, the yellow birch prevails on the white birch as the principal objective species.

SCHEDULE II

(ss. 2, 3 and 4)

**VALUES OF SILVICULTURAL TREATMENTS
ADMITTED AS PAYMENT OF DUES
FISCAL YEAR 2003-2004****1. 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	715 \$/ha
Inside the parquets	620 \$/ha
Inside the regeneration cuttings	545 \$/ha

Forest harrows (Rome et Crabe types)

Single pass	245 \$/ha
Double pass	435 \$/ha
36 inches harrow	535 \$/ha
Létourneau tree crusher	375 \$/ha

Ploughing and harrowing

Forest plough (Lazure type) + forest harrow (Rome and Crabes types)	1 315 \$/ha
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Clearing

Rake-equipped crawler tractor	480 \$/ha
Winter shear-blading with a shear-blade-equipped crawler tractor	490 \$/ha
Grouping feller	385 \$/ha
Rake equipped skidder	405 \$/ha
Hydraulic rake	405 \$/ha
Modified “V” blade models C and H	205 \$/ha

Prescribed burning	420 \$/ha
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2. MECHANICAL RELEASE TREATMENT (1)

Boreal zone	730 \$/ha
Nordic tempered zone	820 \$/ha

3. PRECOMMERCIAL THINNING (1)

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

Value per hectare = $442,87 \times \ln(ti/ha) - 3\,423,42$

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

875 \$/ha

4. COMMERCIAL THINNING (2)

Softwoods

Value per hectare with marking of trees to fell
= $242,66 / (\text{average DBH harvested} \times 0,0414)^2$

Value per hectare without marking of trees to fell
= $242,66 / (\text{average DBH harvested} \times 0,0414)^2 - 150$

Mixed with tolerant and intolerant hardwoods (3)	600 \$/ha
Tolerant and intolerant hardwoods (3)	325 \$/ha

5. DRAINAGE

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

6. FERTILIZATION

Softwoods	385 \$/ha
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**7. NATURAL REGENERATION REINFORCEMENT
PLANTING RED PINE AND WHITE PINE PLANTING (1)**

With site preparation

Bare-root seedlings	
Conventional size	245 \$/1 000 seedlings
Large size	390 \$/1 000 seedlings
Hybrid poplars	600 \$/1 000 saplings
Container seedlings	
67-50	200 \$/1 000 seedlings
45-110 or cuttings	210 \$/1 000 seedlings
25-200	295 \$/1 000 seedlings
45-340 and 25-350-A	340 \$/1 000 seedlings

Without site preparation		15. SELECTION CUTTING BY PATCHES (2)	325 \$/ha
Bare-root seedlings		16. SELECTION AND REGENERATION CUTTING BY PARQUETS (2)	305 \$/ha
Conventional size	260 \$/1 000 seedlings	17. SEEDLINGS RESERVE CUTTING	20 \$/ha
Large size	405 \$/1 000 seedlings	18. PRESELECTION CUTTING (2)	
Container seedlings		Tolerant hardwood	325 \$/ha
67-50	215 \$/1 000 seedlings	Mixed with tolerant hardwood	325 \$/ha
45-110 or cuttings	225 \$/1 000 seedlings	19. PINE SEEDING	
25-200	310 \$/1 000 seedlings	Aerial seeding	40 \$/ha
45-340 or 25-350-A	355 \$/1 000 seedlings	Ground seeding	145 \$/ha
8. PROGRESSIVE SEED CUTTING (2) (3)		Funnels	320 \$/1 000 microsites seeded
Softwoods	550 \$/ha	20. SELECTION CUTTING FOR MAPLE SAP AND WOOD PRODUCTION (2)	390 \$/ha
Mixed with tolerant and intolerant hardwoods	325 \$/ha	21. MOSAICS CUTTING WITH REGENERATION AND SOIL PROTECTION (4)	
Tolerant and intolerant hardwoods	325 \$/ha	Inaccessible zones	155 \$/ha
9. STRIP CUTTING WITH REGENERATION AND SOIL PROTECTION (2)	225 \$/ha	Accessible zones	55 \$/ha
10. PLANTING (1)		22. PHYTOSANITARY PRUNING	430 \$/ha
With site preparation		5697	
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			
Bare-root seedlings			
Conventional size	240 \$/1 000 seedlings		
Large size	380 \$/1 000 seedlings		
Container seedlings			
67-50	195 \$/1 000 seedlings		
45-110 or cuttings	205 \$/1 000 seedlings		
25-200	290 \$/1 000 seedlings		
45-340 or 25-350-A	330 \$/1 000 seedlings		
11. ENRICHMENT AND REINFORCEMENT PLANTING OF HARDWOODS AND PINE (1)	540 \$/1 000 seedlings		
12. SPREADING COMMERCIAL THINNING (2)	325 \$/ha		
13. IMPROVEMENT CUTTING (2)			
Cedar	310 \$/ha		
14. SELECTION CUTTING (2)			
Tolerant hardwood	325 \$/ha		
Mixed with tolerant hardwood	325 \$/ha		
Cedar	310 \$/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 28th 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.