M.O., 2004

Order number AM 2004-010 of the Minister for Forests, Wildlife and Parks and of the Minister of Natural Resources, Wildlife and Parks dated 25 March 2004

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

RESPECTING the value of silvicultural treatments admitted as payment of dues for the fiscal year 2004-2005

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 mentionned 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.

Québec, 25 March 2004

PIERRE CORBEIL,
Minister for Forests, Wildlife and Parks

SAM HAMAD,
Minister of Natural Resources, Wildlife and Parks

SCHEDULE I
(s.1)

SILVICULTURAL TREATMENTS ADMISSIBLE BY PRODUCTION PRIORITY GROUPS

Silvicultural treatments	Production priority groups													
	Fir, spruce, jack pine, tamarack	Thuya	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]	Mixed S-Birch (hard.)[1]	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

Silvicultural treatments	Production priority groups														
	Fir, spruce, jack pine, tamarack	Thuya	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]	Mixed S-Birch (hard.)[1]	Mixed S-Maple (S) or S-tol.hard. (S)	Mixed S-Maple (hard.) or S-int..hard. (hard.)
Selection cutting for maple sap and wood production							X							
Selection cutting by patches					X				X			X		
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

1. SITE PREPARATION (1)

Scarification	
Anchor chains	120 $/ha
Shark-fin barrels and chains	350 $/ha
Hydraulic cone trenchers (Wadell type)	275 $/ha
Hydraulic disk trenchers (TTS hydraulic and Donaren types) or Rake scarifier (shark)	220 $/ha
Batch scarifier (Bracke) or disk trencher (TTS type)	160 $/ha
Batch scarifier mounder (Bracke mounder)	220 $/ha
"V" blade batch scarifier (Bracke) or disk trencher	435 $/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	735 $/ha
Inside the parquets	640 $/ha
Inside the regeneration cuttings	560 $/ha
Forest harrows (Rome et Crabe types)	
Single pass	250 $/ha
Double pass	445 $/ha
36 inches harrow	550 $/ha
Létourneau tree crusher	390 $/ha
Ploughing and harrowing	
Forest plough (Lazure type) + forest harrow (Rome and Crabes types)	1 355 $/ha
Clearing	
Rake-equipped crawler tractor	495 $/ha
Winter shear-blading with a shear-blade-equipped crawler tractor	505 $/ha
Grouping feller	395 $/ha
Rake equipped skidder	415 $/ha
Hydraulic rake	415 $/ha
Modified "V" blade models C and H	210 $/ha
Prescribed burning	430 $/ha

2. MECHANICAL RELEASE TREATMENT (2)

Boreal zone	750 $/ha
Nordic temperated zone	840 $/ha

3. PRECOMMERCIAL THINNING (2)

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

Value per hectare = 454,03 x ln(ti/ha) - 3 509,69

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	895 $/ha

4. COMMERCIAL THINNING (3)

Softwoods and mixed with softwood dominance

Value per hectare with marking of trees to fell
= 255,28 / (average DBH harvested x 0,0414) ^{2}

Value per hectare without marking of trees to fell
= 255,28 / (average DBH harvested x 0,0414) ^{2} - 150

Mixed with tolerant and intolerant hardwoods (4)	615 $/ha
Mixed with tolerant hardwoods – priority production yellow birch and softwoods with fir	385 $/ha
Tolerant and intolerant hardwoods (4)	325 $/ha

5. DRAINAGE

Cleared areas (without prior felling)	1,70 $/m or m^3
Wooded areas (without prior felling)	1,90 $/m or m^3
Wooded areas (with prior felling)	2,15 $/m or m^3

6. FERTILIZATION

Softwoods	385 $/ha

7. 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	400 $/1 000 seedlings
Hybrid poplars	615 $/1 000 saplings
Container seedlings	
67-50	205 $/1 000 seedlings
45-110 or cuttings	215 $/1 000 seedlings
25-200	305 $/1 000 seedlings
45-340 and 25-350-A	350 $/1 000 seedlings
Without site preparation	
Bare-root seedlings	
Conventional size	270 $/1 000 seedlings
Large size	415 $/1 000 seedlings
Container seedlings	
67-50	220 $/1 000 seedlings
45-110 or cuttings	230 $/1 000 seedlings
25-200	320 $/1 000 seedlings
45-340 or 25-350-A	365 $/1 000 seedlings

8. PROGRESSIVE SEED CUTTING (3)

Softwoods	565 $/ha
Mixed with tolerant and intolerant hardwoods (4)	325 $/ha
Tolerant and intolerant hardwoods (4)	325 $/ha

9. STRIP CUTTING WITH REGENERATION AND SOIL PROTECTION (3) 230 $/ha

10. PLANTING (2)

With site preparation	
Bare-root seedlings	
Conventional size	230 $/1 000 seedlings
Large size	375 $/1 000 seedlings
Hybrid poplars	590 $/1 000 saplings
Container seedlings	
67-50	185 $/1 000 seedlings
45-110 or cuttings	195 $/1 000 seedlings
25-200	280 $/1 000 seedlings
45-340 or 25-350-A	325 $/1 000 seedlings
Without site preparation	
Bare-root seedlings	
Conventional size	245 $/1 000 seedlings
Large size	390 $/1 000 seedlings
Container seedlings	
67-50	200 $/1 000 seedlings
45-110 or cuttings	210 $/1 000 seedlings
25-200	295 $/1 000 seedlings
45-340 or 25-350-A	340 $/1 000 seedlings

11. ENRICHMENT AND REINFORCEMENT PLANTING OF HARDWOODS AND PINE (2) 555 $/1 000 seedlings

12. SPREADING COMMERCIAL THINNING (3) 325 $/ha

13. INDIVIDUAL SELECTIVE THINNING (3) 385 $/ha

14. IMPROVEMENT CUTTING (3)

Cedars	310 $/ha

15. SELECTION CUTTING (3)

Tolerant hardwood	325 $/ha
Mixed with tolerant hardwood	325 $/ha
Cedars	310 $/ha

16. SELECTION CUTTING AND SANITATION (3)

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

17. SELECTION CUTTING BY PATCHES (3) 325 $/ha

18. SELECTION CUTTING AND SANITATION BY PATCHES (3)

Tolerant hardwood	325 $/ha
Mixed with tolerant hardwood	325 $/ha
Mixed with tolerant hardwood and pines	325 $/ha

19. SELECTION CUTTING FOR TREE AND GROUP OF TREES (3)

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

20. SELECTION CUTTING AND SANITATION FOR TREE AND GROUP OF TREES (3)

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

21. SELECTION AND REGENERATION CUTTING BY PARQUETS (3) 305 $/ha

22. SEEDLINGS RESERVE CUTTING 20 $/ha

23. PRESELECTION CUTTING (3)

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

24. PRESELECTION CUTTING AND SANITATION (3)

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

25. PINE SEEDING

Aerial seeding	40 $/ha
Ground seeding	145 $/ha
Funnels	330 $/1 000 microsites seeded

26. SELECTION CUTTING FOR MAPLE SAP AND WOOD PRODUCTION (3) 390 $/ha

27. MOSAICS CUTTING WITH REGENERATION AND SOIL PROTECTION (5)

Inaccessible zones	155 $/ha
Accessible zones	60 $/ha

28. 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 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.

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