

## Draft Minister's Order

Forest Act  
(R.S.Q., c. F-4.1)

### Value of silvicultural treatments

Notice is thereby given that the Order of the Minister of Natural Resources respecting the value of silvicultural treatments admitted as payment of dues for the 2001-2002 fiscal year, the text which appears below, may be edicted by the Minister, with or without amendment, at the expiry of 45 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 45-day period, to Mr. Marc Ledoux, Associate Deputy Minister for Forests, Ministère des Ressources naturelles, 880, chemin Sainte-Foy, 10<sup>e</sup> étage, Québec (Québec) G1S 4X4.

JACQUES BRASSARD,  
*Minister of Natural Resources*

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## Order 449 of the Minister of Natural Resources respecting the value of silvicultural treatments admitted as payment of dues for the fiscal year 2001-2002

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 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 2001-2002 fiscal year are those established in Schedule II.

4. This Minister's Order replaces Minister's Order 425 of the Minister of Natural Resources, published in Part 2 of the *Gazette officielle du Québec* of 31 March 2000.

5. This Minister's Order of the Minister of Natural Resources comes into force on 1 April 2001.

JACQUES BRASSARD,  
*Minister of Natural Resources*

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**SCHEDULE I**

(s.1)

**SILVICULTURAL TREATMENTS ADMISSIBLE BY PRODUCTION PRIORITY GROUPE**

<b>Silvicultural treatments admissible</b>	<b>Production priority groups</b>													
	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	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 patches	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						
Mosaics cutting with regeneration and soil protection	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	X
Planting	X	X	X	X	X	X	X	X						

Silvicultural treatments admissible	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>	Pine-Birch (Birch) <sup>1</sup>	Mixed S-int.hard (S) or S-int.hard. (hard.)	Mixed S-Birch (S) <sup>1</sup>	Mixed S-Birch (hard.) <sup>1</sup>	Mixed S-Maple (S) or S-tol.hard. (S)	Mixed S-Maple (hard.) or S-int.hard. (hard.)
Site preparation, natural regeneration reinforcement planting and mechanical release treatment	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Drainage	X	X												
Seedlings reserve cutting	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Phytosanitary pruning	X	X	X	X										
Enrichment planting	X	X	X	X										

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

## SCHEDULE II

(s. 2 and 3)

### VALUES OF SILVICULTURAL TREATMENTS ADMITTED AS PAYMENT OF DUES FISCAL YEAR 2001-2002

#### 1. SITE PREPARATION

##### Scarification

Anchor chains	110 \$/ha
Shark-fin barrels and chains	310 \$/ha
Hydraulic cone trenchers (Wadell type)	245 \$/ha
Hydraulic disk trenchers (TTS hydraulic and Donaren types)	
or Rake scarifier (shark)	195 \$/ha
Batch scarifier (Bracke)	
or disk trencher (TTS type)	140 \$/ha
Batch scarifier moulder (Bracke moulder)	195 \$/ha
“V” blade batch scarifier (Bracke)	
or disk trencher	385 \$/ha
Cutter-type portable scarifier or forest mattock	455 \$/1 000 microsites

##### Forest harrows (Rome et Crabe types)

Single pass	220 \$/ha
Double pass	395 \$/ha
36 inches harrow	485 \$/ha
Létourneau tree crusher	345 \$/ha

##### Ploughing and harrowing

Forest plough (Lazure type) + forest harrow (Rome and Crabes types)	1 195 \$/ha
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##### Clearing

Rake-equipped crawler tractor	435 \$/ha
Winter shear-blading with a shear-blade-equipped crawler tractor	445 \$/ha
Rake equipped skidder	370 \$/ha
Hydraulic rake	370 \$/ha
Modified “V” blade models C and H	185 \$/ha

##### Prescribed burning

400 \$/ha

#### 2. MECHANICAL RELEASE TREATMENT

Coniferous or boreal forest zone	665 \$/ha
Mixed and hardwood forest zones	750 \$/ha

## 3. PRECOMMERCIAL THINNING

Priority production of softwoods and mixed predominantly softwood stands and priority production of poplars and mixed predominantly poplar stands

Value per hectare =  $434,12 \times \ln(ti/ha) - 3\,355,76$

$\ln$ : 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 intolerant hardwoods and mixed predominantly intolerant hardwoods (except priority production of poplars and mixed predominantly poplar stands)

860 \$/ha

Priority production of tolerant hardwoods and mixed predominantly tolerant hardwood stands

825 \$/ha

## 4. COMMERCIAL THINNING (1) (2)

Softwoods

Average DBH of felled trees (cm)	Value with marking of trees to fell (\$/ha)	Value without marking of trees to fell (\$/ha)
10 à 10,9	1 285	1 140
11 à 11,9	1 075	925
12 à 12,9	905	760
13 à 14,9	725	575
15 et plus	555	405

Mixed with tolerant and intolerant hardwoods

580 \$/ha

Tolerant and intolerant hardwoods

245 \$/ha

## 5. DRAINAGE

Cleared areas (without prior felling)	1,50 \$/m or m <sup>3</sup>
Wooded areas (without prior felling)	1,70 \$/m or m <sup>3</sup>
Wooded areas (with prior felling)	1,90 \$/m or m <sup>3</sup>

## 6. FERTILIZATION

Softwoods 380 \$/ha

## 7. NATURAL REGENERATION REINFORCEMENT PLANTING RED PINE AND WHITE PINE PLANTING

With site preparation

Bare-root seedlings

Conventional size 240 \$/1 000 seedlings

Large size 380 \$/1 000 seedlings

Hybrid poplars 585 \$/1 000 saplings

Container seedlings

67-50 195 \$/1 000 seedlings

45-110 or cuttings 205 \$/1 000 seedlings

25-200 265 \$/1 000 seedlings

45-340 and 25-350-A 335 \$/1 000 seedlings

Without site preparation

Bare-root seedlings

Conventional size 255 \$/1 000 seedlings

Large size 395 \$/1 000 seedlings

Container seedlings

67-50 210 \$/1 000 seedlings

45-110 or cuttings 220 \$/1 000 seedlings

25-200 280 \$/1 000 seedlings

45-340 or 25-350-A 350 \$/1 000 seedlings

## 8. PROGRESSIVE SEED CUTTING (1) (2)

Softwoods 540 \$/ha

Mixed with tolerant and intolerant hardwoods 245 \$/ha

Tolerant and intolerant hardwoods 245 \$/ha

## 9. STRIP CUTTING WITH REGENERATION (1) (2) AND SOIL PROTECTION\*

220 \$/ha

## 10. PLANTING

With site preparation

Bare-root seedlings

Conventional size 220 \$/1 000 seedlings

Large size 360 \$/1 000 seedlings

Hybrid poplars 565 \$/1 000 saplings

Container seedlings

67-50 175 \$/1 000 seedlings

45-110 or cuttings 185 \$/1 000 seedlings

25-200 245 \$/1 000 seedlings

45-340 or 25-350-A 310 \$/1 000 seedlings

Without site preparation	
Bare-root seedlings	
Conventional size	235 \$/1 000 seedlings
Large size	375 \$/1 000 seedlings
Container seedlings	
67-50	190 \$/1 000 seedlings
45-110 or cuttings	200 \$/1 000 seedlings
25-200	260 \$/1 000 seedlings
45-340 or 25-350-A	325 \$/1 000 seedlings

11. ENRICHMENT AND REINFORCEMENT  
PLANTING OF HARDWOODS  
AND PINE 530 \$/1 000 seedlings

12. SPREADING COMMERCIAL  
THINNING (1) 245 \$/ha

13. IMPROVEMENT CUTTING (1)

Tolerant hardwood	245 \$/ha
Mixed with tolerant hardwood	245 \$/ha
Cedar	235 \$/ha

14. SELECTION CUTTING (1)

Tolerant hardwood	245 \$/ha
Mixed with tolerant hardwood	245 \$/ha
Cedar	235 \$/ha

15. SELECTION CUTTING BY  
PATCHES (1) 245 \$/ha

16. SELECTION AND REGENERATION  
CUTTING BY PATCHES (1) 245 \$/ha

17. SEEDLINGS RESERVE CUTTING 20 \$/ha

18. PRESELECTION CUTTING (1)

Tolerant hardwood	245 \$/ha
Mixed with tolerant hardwood	245 \$/ha

19. PINE SEEDING

Aerial seeding	35 \$/ha
Ground seeding	140 \$/ha
Funnels	315 \$/1 000 microsites seeded

20. SELECTION CUTTING FOR MAPLE  
SAP AND WOOD PRODUCTION (1) 385 \$/ha

21. MOSAICS CUTTING WITH  
REGENERATION  
AND SOIL PROTECTION (3)

Inaccessible zones	150 \$/ha
Accessible zones	55 \$/ha

22. PHYTOSANITARY PRUNING 410 \$/ha  
4083

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- (1) The value admitted as payment of dues includes some harvesting, road construction or tree marking costs.
- (2) The value admitted as payment of dues can be increased by 60 \$/ha if marking of trees takes into account the trees to preserve.
- (3) Treatment admissible at the latest until march 31st 2003. The inaccessible zones are the forest tariffication zones appearing at Schedule I of the Regulation respecting forest royalties, as modified by the decree number 21-2000 of January 12<sup>th</sup> 2000 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, 924, 925, 999. The accessible zones are all the other forest tariffication zones appearing in that Schedule that do not have the numbers previously indicated.

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