



## An excavator-mounted rake for site preparation after partial cutting

<https://library.fpinnovations.ca/en/permalink/fpipub36562>

Author: Bulley, Brian  
 Cormier, Denis

Date: February 1995

Material Type: Research report

Physical Description: 2 p.

Sector: Forest Operations

Field: Fibre Supply

Research Area: Forestry

Subject: Pinus  
 Systems  
 Spruce  
 Softwoods  
 Sites  
 Site preparation  
 Shelterwood  
 Scarifying equipment  
 Scarification  
 Regeneration  
 Rakes  
 Productivity  
 Preparation  
 Partial cutting

Series Number: Field Note ; Silviculture-FN-000074

Language: English

Abstract: Site preparation  
Mechanical method  
Scarifying equipment  
Rakes  
Prime movers  
Excavators  
Natural regeneration  
Softwoods  
White pine  
White spruce  
Partial cutting systems  
Shelterwood cutting  
Machine evaluation  
Productivity  
KOEHRING 6612 EXCAVATOR

## Documents

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## The Bräcke B290 patch scarifier. Part 1: control of microsite quality

<https://library.fpinnovations.ca/en/permalink/fpipub392>

Author: Cormier, Denis  
Date: May 1996  
Edition: 36627  
Material Type: Research report  
Physical Description: 2 p.  
Sector: Forest Operations  
Field: Fibre Supply  
Research Area: Forestry

Subject: Sites  
 Site preparation  
 Scarifying equipment  
 Scarification  
 Quality control  
 Qualitative analysis  
 Productivity  
 Preparation

Series Number: Field Note ; Silviculture-FN-000089


Language: English


Abstract: Site preparation  
 Mechanical method  
 Scarifying equipment  
 Patch scarifiers  
 MICROSITE QUALITY  
 Evaluation  
 Productivity  
 Ontario  
 BRÄCKE B290 PATCH SCARIFIER

Documents



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The Bräcke B290 patch scarifier. Part 2: comparison with the conventional two-row Bräcke

<https://library.fpinnovations.ca/en/permalink/fpipub394>

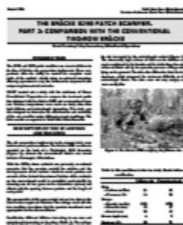
Author: Cormier, Denis  
 Date: May 1996  
 Edition: 36629  
 Material Type: Research report  
 Physical Description: 2 p.

Sector: Forest Operations  
Field: Fibre Supply  
Research Area: Forestry  
Subject: Trees  
Systems  
Sites  
Site preparation  
Scarifying equipment  
Scarification  
Productivity  
Preparation

Series Number: Field Note ; Silviculture-FN-000090  
Language: English  
Abstract: Site preparation  
Mechanical method  
Scarifying equipment  
Patch scarifiers  
Full-tree systems  
Cut-to-length systems  
Productivity  
Comparison  
Ontario  
BRÄCKE TWO-ROW SCARIFIER  
BRÄCKE B290 PATCH SCARIFIER

## Documents

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Comparaison de cinq méthodes de préparation de terrain  
dans le centre de l'Ontario

<https://library.fpinnovations.ca/en/permalink/fpipub5848>



Author: Cormier, Denis  
Paterson, J.

Edition: 40789

Material Type: Research report

Physical Description: 8 p.

Sector: Forest Operations

Field: Fibre Supply

Research Area: Transportation Infrastructure

Subject: Tractors  
Rakes  
Hog

Series Number: Fiche technique ; FT-000264

Language: French

Abstract: FERIC a entrepris une étude comparative de cinq méthodes de préparation de terrain (décapage avec boueur, décapage avec excavatrice, mise en andains, broyage en plein, broyage par bandes) dans le centre de l'Ontario. L'étude avait pour but de mesurer la productivité de l'équipement utilisé, d'évaluer les résultats au point de vue de qualité des microsites et de calculer les coûts de diverses opérations. Les résultats indiquent que chacun des traitements mis à l'essai peut se révéler efficace dans certaines conditions. Le choix d'un traitement idéal dans les conditions de l'étude devrait être facilité par les suivis biologiques qui seront effectués par l'Ontario Forest Research Institute (OFRI) au cours des prochaines années.

PRÉPARATION DE TERRAIN

Méthode mécanisée

Broyage

Râtelage

DÉCAPAGE

Mise en andains

Peuplements mélangés

Ontario

BROYEUR MERI MJ-2.3 MONTÉ SUR TRACTEUR

BROYEUR MERI MJ-0.8 MONTÉ SUR CHARGEUSE

Râteau monté sur boueur

Râteau monté sur excavatrice

## Documents

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# Comparative analysis of full-tree and tree-length harvesting systems in Western Newfoundland

<https://library.fpinnovations.ca/en/permalink/fpipub52651>

Author: Cormier, Denis  
Meek, Philippe  
Favreau, Jean  
Gingras, Jean-François

Date: June 1993

Material Type: Research report

Physical Description: 40 p.

Sector: Forest Operations

Field: Fibre Supply

Research Area: Forestry

Subject: Harvesting

Logging

Forestry

Tree lengths

Language: English

Abstract: In 1991, Corner Brook Pulp and Paper Ltd. reintroduced full-tree systems to their operations, under the assumption that the technology had matured to the point that modern feller-bunchers, skidders and delimiters would be effective in Newfoundland conditions. Preliminary results from the productivity tracking of these machines seemed to confirm this assumption and Corner Brook Pulp and Paper now intend to harvest around 15 to 20% of their timber using this approach.

## Documents



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# Comparative evaluation of brushSaw-mounted scarifiers


<https://library.fpinnovations.ca/en/permalink/fpipub43213>

**Author:** Cormier, Denis  
**Date:** 1989  
**Material Type:** Research report  
**Physical Description:** 8 p.  
**Sector:** Forest Operations  
**Field:** Fibre Supply  
**Research Area:** Forestry  
**Subject:** Site preparation  
**Series Number:** Technical Notes  
**Language:** English  
**Abstract:** Motor-manual scarification attachments mounted on brushsaws were tested under four different site conditions to compare their performance short-duration time studies and observations of the treatments results formed the basis of the analysis of five scarifiers (ECO, EIA, ORDFOREST, SCARRI and La Taupe) and a manual tool (Mattock). Technical, ergonomic and economic considerations are presented to assist the potential user in the selection of a scarifier.  
**SITE PREPARATION**  
**MOTOR MANUAL METHOD**  
Scarifying equipment  
Spot scarifiers  
Difficult sites  
Machine evaluation  
Treatment quality  
Product evaluation

## Documents



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# Comparative study of the impact of three skidding methods on advance regeneration

<https://library.fpinnovations.ca/en/permalink/fpipub6079>

Author: Gingras, Jean-François  
Cormier, Denis  
Ruel, J.-C.  
Pin, D.

Date: September 1991

Edition: 44017

Material Type: Research report

Physical Description: 12 p.

Sector: Forest Operations

Field: Fibre Supply

Research Area: Forestry

Subject: Feller  
Skidders  
Productivity  
Regeneration  
Skidding

Language: English

Abstract: FELLING  
BUNCHING  
SKIDDING  
FELLER BUNCHERS  
GRAPPLE SKIDDERS  
PRODUCTIVITY

## Documents



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## Comparative trials of site rehabilitation with the Crabe

# forestry harrow and the Meri crusher

<https://library.fpinnovations.ca/en/permalink/fpipub5422>



Author: Cormier, Denis  
Provencher, D.

Date: 1997

Edition: 36670

Material Type: Research report

Physical Description: 2 p.

Sector: Forest Operations

Field: Fibre Supply

Research Area: Forestry

Subject: Sites  
Site preparation  
Scarifying equipment  
Scarification  
Rehabilitation  
Preparation

Series Number: Field Note ; Silviculture-FN-000095

Language: English


Abstract: Site preparation  
Site rehabilitation  
Scarifying equipment  
Crushers (silv.)  
Harrow  
Comparison  
CRABE FORESTRY HARROW  
MJS-2.5  
Meri crusher

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**A COMPARISON OF FIVE  
SITE-PREPARATION METHODS  
IN CENTRAL ONTARIO**

D. Cormier, F.Sc., M.Sc.\* and J. Paterson\*\*

**Abstract**

ERIC undertook a comparison of five site-preparation methods (scalping with a bulldozer, scalping with an excavator, windrowing, mulching of the full site, and strip mulching) in central Ontario. The study was designed to measure equipment productivity, assess the results in terms of microsite quality, and calculate the costs of the various operations. The results suggested that each treatment within the study conditions should be facilitated by biological follow-ups that will be carried out by the Ontario Forest Research Institute over the next few years.



**Introduction**

The study was designed to measure equipment productivity, assess the results in terms of microsite quality, and calculate the costs of the various operations. The results suggested that each treatment within the study conditions should be facilitated by biological follow-ups that will be carried out by the Ontario Forest Research Institute over the next few years.

# A comparison of five site-preparation methods in central Ontario

<https://library.fpinnovations.ca/en/permalink/fpipub5424>

Author: Cormier, Denis  
Paterson, J.  
Date: August 1996  
Edition: 36699  
Material Type: Research report  
Physical Description: 8 p.  
Sector: Forest Operations  
Field: Fibre Supply  
Research Area: Forestry  
Subject: Sites

Series Number: Technical Note ; TN-000264

Language: English

Abstract: FERIC undertook a comparison of five site-preparation methods (scalping with a bulldozer, scalping with an excavator, windrowing, mulching of the full site, and strip mulching) in central Ontario. The study was designed to measure equipment productivity, assess the results in terms of microsite quality, and calculate the costs of the various operations. The results suggested that each treatment within the study conditions should be facilitated by biological follow-ups that will be carried out by the Ontario Forest Research Institute over the next few years.

- Site preparation
- Mechanical method
- Crushing (silv.)
- Raking
- Scalping
- Windrowing
- Mixedwoods
- Ontario
- MERI CRUSHER MJ-2.3 (TRACTOR-MOUNTED)
- MERI CRUSHER MJ-O.8 (LOADER MOUNTED)
- RAKE (EXCAVATOR-MOUNTED)
- RAKE (BULLDOZER-MOUNTED)

## Documents

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**A COMPARISON OF FIVE  
SITE-PREPARATION METHODS  
IN CENTRAL OHTARD**

D. Gentry, F.S., W.D.,\* and J. Peterson\*\*

**Abstract**

The purpose of this study was to compare five site-preparation methods in central Ohtard. The methods were: (1) hand weeding, (2) herbicide application, (3) mowing, (4) burning, and (5) a combination of mowing and burning. The results showed that the combination of mowing and burning was the most effective method for site preparation in central Ohtard.




**Introduction**

Site preparation is a critical step in the establishment of a new forest stand. The method chosen can have a significant impact on the success of the stand.

This study was conducted in central Ohtard, where the site preparation methods were compared. The results showed that the combination of mowing and burning was the most effective method for site preparation in central Ohtard.

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# Conversion de peuplement avec les débroussailleurs Munger et Denis-CIMAF

<https://library.fpinnovations.ca/en/permalink/fpipub43935>

Author: Cormier, Denis  
Date: November 1991  
Material Type: Research report  
Physical Description: 12 p.  
Sector: Forest Operations  
Field: Fibre Supply  
Research Area: Forestry  
Subject: Forestry  
Language: French  
Abstract: Conversion de peuplement  
DÉBROUSSAILLEURS  
Véhicules moteurs  
Excavatrices  
ÉVALUATION DE MACHINES  
Productivité  
Coûts  
DÉBROUSSAILLEUR MUNGER SMC-500  
DÉBROUSSAILLEUR MUNGER 600 (PROTOTYPE)  
DÉBROUSSAILLEUR DENIS-CIMAF TRH-150

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