

A List of Seed at the National Tree Seed Centre

Liste des semences au Centre national de semences forestières

J.D. Simpson & B.I. Daigle



Information Report / Rapport d'information M-X-203E/F
Canadian Forest Service / Service canadien des forêts
Atlantic Forestry Centre / Centre de foresterie de l'Atlantique



Natural Resources
Canada

Canadian Forest
Service

Ressources naturelles
Canada

Service canadien
des forêts

Canada

**A List of Seed
at the
National Tree Seed Centre**

**Liste des semences
au Centre national
de semences forestières**

by

J.D. Simpson and B.I. Daigle

par

J.D. Simpson et B.I. Daigle

**Information Report M-X-203E/F
Biodiversity Network**

**Rapport d'information M-X-203E/F
Réseau de biodiversité**

**Canadian Forest Service
Atlantic Forestry Centre
Natural Resources Canada
P.O. Box 4000, Fredericton, N.B. E3B 5P7**

**Service canadien des forêts
Centre de foresterie de l'Atlantique
Ressources naturelles Canada
C.P. 4000, Fredericton (N.-B.) E3B 5P7**

1998

1998

© Her Majesty the Queen in Right of Canada 1998

ISSN: 1195-3799-
ISBN 0-662-63364-6
Catalogue No. Fo46-19/203

Additional copies of this publication are available in limited quantities at no charge from:

Canadian Forest Service - Atlantic Forestry Centre
P.O. Box 4000
Fredericton, N.B. E3B 5P7, CANADA
Fax: (506) 452-3525

or downloaded from the internet at
<http://www.lib.unb.ca/Texts/Forest>

A microfiche edition or copies of this publication may be purchased from:

Micromedia Ltd.
240 Catherine St., Suite 305
Ottawa, ON K2P 2G8
Tel.: (613) 237-4250
Toll free: 1-800-567-1914
Fax: (613) 237-4251

Canadian Cataloguing in Publication Data

Simpson, John Dale, 1955-

A list of seed at the National Tree Seed Centre = Liste des semences au Centre national de semences forestières

(Information report ; M-X-203E/F)
Text in English and French.
Includes bibliographical references.
ISBN 0-662-63363-6
Cat. no. Fo46-19/203

- 1. Trees — Seeds — Identification — Canada.
- 2. National Tree Seed Centre — Catalogs.
- I. Daigle, B.I. (Bernard Irenée), 1954- .
- II. Atlantic Forestry Centre.
- III. Title.
- IV. Title: Liste des semences au Centre national de semences forestières.
- V. Series: Information report (Atlantic Forestry Centre) ; M-X-203E/F.

SD401.64C3S55 1998 634.9'562'0971 C98-980118-7E

MD Sa Majesté la Reine du chef du Canada 1998

ISSN 1195-3799
ISBN 0-662-63364-6
N° de catalogue Fo46-19/203

Un nombre restreint d'exemplaires de cette publication sont disponibles gratuitement auprès de :

Service canadien des forêts
- Centre de foresterie de l'Atlantique
C.P. 4000, Fredericton (N.-B.) E3B 5P7, CANADA
Téléc. : (506) 452-3525

ou de l'internet à :
<http://www.lib.unb.ca/Texts/Forest>

Des microfiches ou copies de cette publication sont en vente chez :

Micromédia Ltée
240, rue Catherine, Suite 305
Ottawa (ON) K2P 2G8
Tél. : (613) 237-4250
Ligne sans frais : 1-800-567-1914
Téléc. : (613) 237-4251

Données de catalogage avant publication (Canada)

Simpson, John Dale, 1955-

A list of seed at the National Tree Seed Centre - Liste des semences au Centre national de semences forestières

(Rapport d'information ; M-X-203E/F)
Texte en anglais et en français.
Comprend des références bibliographiques.
ISBN 0-662-63364-6
N° de cat. Fo46-19/203

- 1. Arbres — Semences — Identification — Canada.
- 2. Centre national de semences forestières — Catalogues.
- I. Daigle, B.I. (Bernard Irenée), 1954- .
- II. Centre de foresterie de l'Atlantique.
- III. Titre.
- IV. Titre: Liste des semences au Centre national de semences forestières.
- V. Coll.: Rapport d'information (Centre de foresterie de l'Atlantique) ; M-X-203E/F.

SD401.64C3S55 1998 634.9'562'0971 C98-980118-7F

Abstract

Information is provided on native and exotic forest tree and shrub seed available for research purposes from the National Tree Seed Centre located at the Canadian Forest Service - Atlantic Forestry Centre in Fredericton, New Brunswick. This report supercedes Canadian Forest Service's Information Report PI-X-109E/F. Reference is made to seed procurement and various techniques to monitor and maintain seed quality.

Résumé

Des renseignements sont présentés au sujet des semences d'arbres et d'arbrisseaux forestiers indigènes et exotiques que peut fournir à des fins de recherche le Centre national de semences forestières situé au Centre de foresterie de l'Atlantique du Service canadien des forêts à Fredericton, Nouveau-Brunswick. Ce rapport remplace le Rapport d'information PI-X-109E/F du Service canadien des forêts. Il traite de l'acquisition de semences ainsi que de diverses techniques de surveillance et de maintien de la qualité des semences.

Table of Contents	Page	Table des matières	Page
Abstract	3	Résumé	3
Introduction	7	Introduction	7
Seed Procurement	8	Acquisition des semences	8
Seed Quality	9	Qualité des semences	9
Using the Seed List	10	Utilisation de la liste des semences	10
Acknowledgements	11	Remerciements	11
References	11	Bibliographie	11
<i>Table 1.</i> Species available from the National Tree Seed Centre	12	<i>Tableau 1.</i> Essences disponibles du Centre national de semences forestières	12
<i>Table 2.</i> Legend of Seed List Codes	17	<i>Tableau 2.</i> Abréviations pour la liste des semences	17
<i>Table 3.</i> Codes for Canadian Provinces	18	<i>Tableau 3.</i> Codes des provinces canadiennes	18
<i>Table 4.</i> Codes for American States	18	<i>Tableau 4.</i> Codes pour états américains	18
<i>Table 5.</i> Country Codes	19	<i>Tableau 5.</i> Codes de pays	19
<i>Table 6.</i> National Tree Seed Centre Seed List	20	<i>Tableau 6.</i> Liste des semences du Centre national de semences forestières	20

Introduction

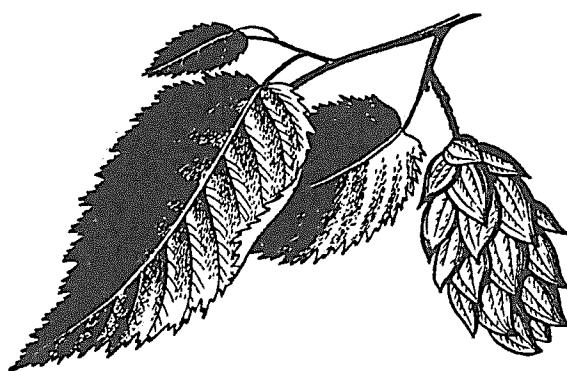
The National Tree Seed Centre was established in 1967 at the former Petawawa National Forestry Institute (PNFI) to obtain, store, and disseminate seed of known origin and quality for research purposes. As a result of restructuring of research programs within the Canadian Forest Service, PNFI was closed and the Seed Centre transferred to the Atlantic Forestry Centre in Fredericton, New Brunswick in 1996.

The mandate of the Centre is focused on *ex situ* conservation of Canadian tree and shrub species. The long-term goal is to store representative samples from throughout the natural ranges of all Canadian species. In addition, the Centre also has seed from a number of exotic species. Information on seed from indigenous and exotic species is provided in this report, which supercedes Information Report PI-X-109E/F (Wang and Kelley, 1992).

Introduction

Le Centre national de semences forestières a été créé en 1967 à l'ancien Institut forestier national de Petawawa (IFNP) dans le but d'acquérir, d'entreposer et de distribuer des semences d'origine et de qualité connues à des fins de recherche. En raison de la restructuration des programmes de recherche au Service canadien des forêts, l'IFNP a été fermé, et le Centre des semences a été transféré en 1996 au Centre de foresterie de l'Atlantique, à Fredericton, au Nouveau-Brunswick.

La mission du Centre est axée sur la conservation *ex situ* d'espèces canadiennes d'arbres et d'arbrisseaux, et son but à long terme consiste à entreposer des échantillons représentatifs des aires naturelles de toutes les espèces canadiennes. En outre, on trouve au Centre des semences d'un certain nombre d'espèces exotiques. Le rapport présente des renseignements sur les semences d'espèces indigènes et exotiques, et il remplace le Rapport d'information PI-X-109E/F (Wang et Kelley, 1992).



Seed Procurement

Seedlots described in this report were procured in several ways. Some collections were made by Seed Centre staff and others by cooperators in other Canadian Forest Service research centres, provincial forest services, forest industries, and other federal agencies. Some seedlots were obtained through exchange with foreign agencies or purchased from seed dealers in Canada and abroad.

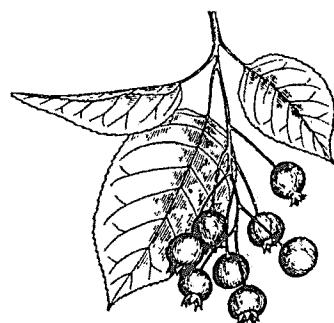
Control of seed origin is maintained by collecting only from natural stands at identified locations or from planted trees of known origin as described by Wang (1973).

Unless otherwise requested, all seed is collected in fair to good years to ensure high quality and an appropriate genetic sample of the population.

Acquisition des semences

Les lots de semences décrits dans le rapport ont été acquis de plusieurs façons. Certaines récoltes ont été faites par le personnel du Centre, et d'autres, par des collaborateurs d'autres centres de recherche du Service canadien des forêts, des services provinciaux des forêts, des industries forestières et d'autres organismes fédéraux. Quelques lots de semences ont été obtenus à la suite d'échanges avec des organismes étrangers ou achetés de vendeurs de semences au Canada et dans d'autres pays. Pour contrôler l'origine des semences, on récolte seulement celles qui proviennent de peuplements naturels à des endroits déterminés ou d'arbres plantés d'origine connue (Wang, 1973).

À moins d'indication contraire, toutes les semences sont récoltées dans de bonnes à assez bonnes années de production pour assurer qu'elles sont d'excellente qualité et qu'elles représentent un échantillon génétique convenable de la population.



Seed Quality

Proper control of seed quality is important for anyone conducting research in order to reduce or eliminate unwanted confounding effects. Control of seed quality at the National Tree Seed Centre begins at the time of collection and is continuous through careful handling and curing of cones and fruit, as well as processing, testing, and storage of seed (Wang, 1973).

Seed testing is conducted on a regular and continuous basis. Thousand seed weight is determined and germination tests conducted. Standardized germination test procedures are followed, where possible, using the International Seed Testing Association rules (ISTA, 1996) or Association of Official Seed Analysts rules (AOSA, 1993). Freshly collected seed and seed obtained from cooperators or seed dealers is tested before being placed in storage. Seedlots already in storage are tested periodically for germination to monitor their long-term viability.

Qualité des semences

Pour les chercheurs, le contrôle convenable de la qualité des semences est important parce qu'il permet de réduire ou d'éliminer les effets confusionnels indésirables. Au Centre national de semences forestières, le contrôle de la qualité des semences commence au moment de la récolte et continue grâce à la manipulation et au séchage minutieux des cônes et des fruits ainsi qu'au traitement, à l'essai et à l'entreposage des semences (Wang, 1973).

L'essai des semences se fait régulièrement et continuellement. Le poids de mille semences est calculé, et des essais de germination sont effectués conformément, dans la mesure du possible, aux protocoles normalisés de l'Association internationale d'essais de semences (ISTA, 1996) ou de l'Association of Official Seed Analysts (AOSA, 1993). Les semences fraîchement récoltées ou celles qui sont obtenues de collaborateurs ou de vendeurs sont testées avant d'être entreposées. Pour les lots de semences déjà entreposés, on effectue périodiquement des essais de germination afin de vérifier leur viabilité à long terme.



Using the Seed List

A summary of species and the corresponding number of seedlots which are stored at the Seed Centre is provided in Table 1.

To assist in the selection of seedlots, additional information is provided that includes: year of collection, location or provenance, latitude, longitude, elevation, and type of collection. Information on 1000-seed weight and germination is presented when available. A "Legend of Seed List Codes" (Table 2) provides more detailed information. Listings of province and state codes are provided in Tables 3 and 4. The abbreviation for country of origin (Table 5) is based on the ISO codes (International Organization for Standardization, 1994).

The "National Tree Seed Centre Seed List" (Table 6) contains only those species that have demonstrated the ability for their seed to retain viability over a number of years of storage in the facilities available. Seed that is difficult to store (e.g., *Acer saccharinum*, *Juglans nigra*, or *Quercus* spp.) can be provided by special collection upon request.

The list is arranged in alphabetical order by genus, species, and variety. Nomenclature is based on "Trees in Canada" (Farrar, 1996) for native species and, wherever possible, the "Manual of Cultivated Trees and Shrubs Hardy in North America" (Rehder, 1940) for exotic species.

Persons requesting seed for research purposes should specify species, Seed Centre Number, and number or quantity of seed. Alternative selections should also be provided.

Utilisation de la liste des semences

On trouve dans la section « Liste des espèces » un résumé des espèces et les numéros correspondants des lots de semences entreposés au Centre.

Pour aider à choisir les lots de semences, des renseignements supplémentaires sont fournis : l'année de la récolte, le lieu ou la provenance, la latitude, la longitude, l'altitude et le type de récolte. Des données sur le poids de 1000 semences et la germination sont présentés lorsqu'il en existe. La section « Abréviations pour la liste des semences » (tableau 2) fournit des renseignements plus détaillés. On trouve une liste des codes pour les provinces canadiennes et les états américains dans les tableaux 3 et 4. L'abréviation du nom des pays d'origine (tableau 5) a été établie d'après les codes de l'ISO (Organisation internationale de normalisation, 1994).

La section « Liste des semences du Centre national de semences forestières » (tableau 6) énumère seulement les espèces dont il a été prouvé que les semences demeurent viables pendant un certain nombre d'années d'entreposage dans les installations existantes. Les semences difficiles à entreposer (p. ex. celles d'*Acer saccharinum*, de *Juglans nigra* ou de *Quercus* spp.) peuvent être fournies sur demande et doivent être récoltées expressément.

Les genres, les espèces et les variétés figurent sur la liste par ordre alphabétique. Pour les espèces indigènes, la nomenclature est fondée sur celle employée dans « Les arbres du Canada » (Farrar, 1996), et pour les espèces exotiques, elle est conforme, dans la mesure du possible, à celles du « Manual of Cultivated Tree and Shrubs Hardy in North America » (Rehder, 1940).

Les personnes qui désirent obtenir des semences à des fins de recherche doivent spécifier l'espèce, le numéro du Centre des semences ainsi que le nombre ou la quantité de semences. D'autres choix devraient aussi être fournis.

Acknowledgements

We wish to thank the many cooperators in Canada and abroad for providing seedlots.

Remerciements

Nous désirons remercier les nombreux collaborateurs qui, au Canada et à l'étranger, ont fourni des lots de semences.

References

- AOSA. 1993. Rules for Testing Seeds. *J. Seed Tech.* 16(3): 1-113.
- Farrar, J.L. 1996. Trees in Canada. Fitzhenry & Whiteside Ltd. and Canadian Forest Service, Natural Resources Canada. 502 p.
- International Organization for Standardization. 1994. ISO 3166 Country Codes. [Online.] Available: http://stiwww.epfl.ch/utile/iso_3166.html [1997, November 5].
- ISTA. 1996. International Rules for Seed Testing, 1996. *Seed Sci. & Technol.* 24, suppl.
- Rehder, A. (Ed.) 1940. Manual of Cultivated Trees and Shrubs Hardy in North America (2nd ed.). Macmillan Pub. Co. Inc., New York, NY.
- Wang, B.S.P. 1973. Collection, processing and storing tree seed for research use. Proc. IUFRO Intl. Seed Symp., Bergen, Norway, Vol. 1, paper 17.
- Wang, B.S.P., and Kelley, B. 1992. 1991 Seed List: Forestry Canada National Seed Bank. For. Can., Petawawa Nat. For. Inst. Info. Rep. PI-X-109E/F. 68 p.
- Références
- AOSA 1993. Rules for Testing Seeds. *J. Seed Tech.* 16(3): 1-113.
- Farrar, J.L. 1996. Les arbres du Canada. La Corporation des Éditions Fides et le Service canadien des forêts, Ressources naturelles Canada. 502 p.
- Organisation internationale de normalisation 1994. ISO 3166 Country Codes. [En ligne] Sur Internet : http://stiwww.epfl.ch/utile/iso_3166.html [consulté le 5 novembre 1997].
- ISTA 1996. International Rules for Seed Testing, 1996. *Seed Sci. & Technol.* 24, suppl.
- Rehder, A. (éd.) 1940. Manual of Cultivated Trees and Shrubs Hardy in North America (2^e éd.). Macmillan Pub. Co. Inc., New York, NY.
- Wang, B.S.P. 1973. Collection, processing and storing tree seed for research use. Compte rendu du Symposium international de l'IUFRO sur les semences, Bergen, Norvège, vol. 1, communication 17.
- Wang, B.S.P. et Kelley, B. 1992. 1991 Seed List: Forestry Canada National Seed Bank. For. Can., Inst. for. nat. de Petawawa, Rap. d'inf. PI-X-109E/F. 68 p.

Table 1. Species Available from the National Tree Seed Centre
 Tableau 1. Essences disponibles du Centre national de semences forestières

Scientific name/ Nom scientifique	Common name/Nom commun		Number of seedlots per species/ Nombre de lots de semences par essence
	English name	Nom français	
<i>Abies alba</i>	European silver fir	sapin blanc	2
<i>Abies amabilis</i>	amabilis fir	sapin gracieux	9
<i>Abies balsamea</i>	balsam fir	sapin baumier	56
<i>Abies fraseri</i>	Fraser fir	sapin de Fraser	1
<i>Abies grandis</i>	grand fir	sapin grandissime	14
<i>Abies lasiocarpa</i>	subalpine fir	sapin subalpin	16
<i>Abies nordmanniana</i>	Nordmann fir	sapin de Nordmann	1
<i>Acer negundo</i>	Manitoba maple	érable à feuilles composées	1
<i>Acer pensylvanicum</i>	striped maple	érable de Pennsylvanie	2
<i>Acer platanoides</i>	Norway maple	érable de Norvège	2
<i>Acer pseudoplanatus</i>	sycamore maple	érable sycomore	1
<i>Acer rubrum</i>	red maple	érable rouge	40
<i>Acer saccharum</i>	sugar maple	érable à sucre	6
<i>Alnus cordata</i>	Italian alder	aulne d'Italie	3
<i>Alnus cremastogyne</i>			1
<i>Alnus firma</i>			1
<i>Alnus formosana</i>			5
<i>Alnus glutinosa</i>	European black alder	aulne glutineux	10
<i>Alnus hirsuta</i>			2
<i>Alnus hirsuta turcz. var. microphylla nakai</i>			1
<i>Alnus incana</i>	grey alder	aulne blanc	3
<i>Alnus incana ssp. rugosa</i>	speckled alder	aulne rugueux	47
<i>Alnus incana ssp. tenuifolia</i>	mountain alder	aulne à feuilles minces	13
<i>Alnus japonica</i>	Japanese alder	aulne du Japon	1
<i>Alnus jorullensis</i>			1
<i>Alnus rubra</i>	red alder	aulne rouge	41
<i>Alnus viridis</i>	European green alder		3
<i>Alnus viridis ssp. crispa</i>	green alder	aulne crispé	41
<i>Alnus viridis ssp. sinuata</i>	Sitka alder	aulne de Sitka	21
<i>Arbutus menziesii</i>	arbutus	arbousier d'Amérique	1
<i>Asimina triloba</i>	pawpaw	asiminier trilobé	2
<i>Astrocedrus chilensis</i>			3
<i>Betula alleghaniensis</i>	yellow birch	bouleau jaune	42
<i>Betula cordifolia</i>	mountain paper birch	bouleau à feuilles cordées	1
<i>Betula costata</i>			6
<i>Betula davurica</i>			9
<i>Betula kirghisorum caucasus</i>			1
<i>Betula lenta</i>	cherry birch	bouleau flexible	2
<i>Betula occidentalis</i>	water birch	bouleau fontinal	1
<i>Betula papyrifera</i>	white birch	bouleau à papier	23
<i>Betula pendula</i>	European white birch	bouleau verrueux	18
<i>Betula pendula var. carelica</i>			1
<i>Betula platyphylla</i>			2
<i>Betula platyphylla sukatchev var. japonica</i>			7
<i>Betula populifolia</i>	grey birch	bouleau gris	4
<i>Betula pubescens</i>	downey birch		9
<i>Betula raddeana caucasus</i>			1
<i>Betula schmidtii</i>			8
<i>Betula verrucosa</i>	European white birch	bouleau verrucosa	1

Scientific name/ Nom scientifique	Common name/Nom commun English name	Nom français	Number of seedlots per species/ Nombre de lots de semences par essence
<i>Caragana arborescens</i>	Siberian pea-tree	caragana arborescent	2
<i>Carpinus caroliniana</i>	blue-beech	charme de Caroline	3
<i>Carya cordiformis</i>	bitternut hickory	caryer cordiforme	1
<i>Carya glabra</i> var. <i>odorata</i>	red hickory	caryer glabre	2
<i>Carya ovalis</i>	sweet pignut		1
<i>Carya ovata</i>	shagbark hickory	caryer ovale	2
<i>Chacaya trinervis</i>			1
<i>Chamaecyparis lawsoniana</i>	Lawson-cypress	chamaecyparis de Lawson	1
<i>Chamaecyparis nootkatensis</i>	yellow-cedar	chamaecyparis jaune	2
<i>Cornus florida</i>	Eastern flowering dogwood	cornouiller fleuri	3
<i>Cornus nuttallii</i>	Western flowering dogwood	cornouiller de Nuttall	1
<i>Cornus stolonifera</i>	red osier dogwood	cornouiller stolonifère	1
<i>Crataegus douglasii</i>	black hawthorn	aubépine noire	1
<i>Crataegus monogyna</i>	common hawthorn	aubépine monogyne	2
<i>Fagus grandifolia</i>	American beech	hêtre à grandes feuilles	14
<i>Fagus sylvatica</i>	European beech	hêtre commun	1
<i>Fitzroya cupressoides</i>	Patagonia cypress	cyprès de Patagonie	1
<i>Fraxinus americana</i>	white ash	frêne blanc	75
<i>Fraxinus chinensis</i>	Chinese ash		1
<i>Fraxinus excelsior</i>	European ash	frêne commun	1
<i>Fraxinus nigra</i>	black ash	frêne noir	10
<i>Fraxinus pennsylvanica</i>	red ash	frêne rouge	69
<i>Fraxinus pennsylvanica</i> var. <i>austini</i>	Northern red ash	frêne d'Austin	2
<i>Gleditsia triacanthos</i>	honey-locust	févier épineux	2
<i>Hamamelis virginiana</i>	witch-hazel	hamamélis de Virginie	2
<i>Hippophae rhamnoides</i>	sea buckthorn	argousier faux-nerprun	1
<i>Ilex verticillata</i>	common winterberry	houx verticillé	1
<i>Juglans nigra</i>	black walnut	noyer noir	1
<i>Juniperus communis</i>	common juniper	genévrier commun	3
<i>Juniperus procera hochst. ex. endl.</i>			1
<i>Juniperus scopulorum</i>	Rocky Mountain juniper	genévrier des Rocheuses	1
<i>Juniperus virginiana</i>	Eastern redcedar	genévrier de Virginie	5
<i>Keteleeria chien-peii flous</i>			1
<i>Koelreuteria formosana</i>			2
<i>Koelreuteria paniculata</i>	golden rain tree		1
<i>Larix decidua</i>	European larch	mélèze d'Europe	12
<i>Larix decidua</i> var. <i>sudetica</i>	European larch	mélèze d'Europe	1
<i>Larix eurolepis</i>	Dunkeld larch		5
<i>Larix gmelini</i>	Dahurian larch	mélèze de Dahurie	3
<i>Larix kaempferi</i>	Japanese larch	mélèze du Japon	4
<i>Larix laricina</i>	tamarack	mélèze laricin	55
<i>Larix occidentalis</i>	Western larch	mélèze de l'Ouest	1
<i>Larix sibirica</i>	Siberian larch	mélèze de Sibérie	2
<i>Liriodendron tulipifera</i>	tulip-tree	tulipier de Virginie	4
<i>Magnolia acuminata</i>	cucumber-tree	magnolia acuminé	3

Scientific name/ Nom scientifique	Common name/Nom commun		Number of seedlots per species/ Nombre de lots de semences par essence
	English name	Nom français	
<i>Maytenus boaria</i>			2
<i>Nemopanthus mucronatus</i>	mountain-holly	némopanthe mucroné	1
<i>Nothofagus dombeyi</i>			3
<i>Nothofagus nervosa</i>			2
<i>Nothofagus obliqua</i>	Roble beech		3
<i>Nothofagus pumilio</i>	lenga		1
<i>Nyssa sylvatica</i>	black gum	nyssa sylvestre	2
<i>Ostrya virginiana</i>	ironwood	ostryer de Virginie	6
<i>Paulownia fargesii</i>			1
<i>Paulownia fortunei</i>			1
<i>Paulownia kawakamii</i>			1
<i>Paulownia taiwaniana</i>			1
<i>Phellodendron amurense</i>	Amur corktree	arbre liège de Chine	2
<i>Picea abies</i>	Norway spruce	épinette de Norvège	105
<i>Picea engelmannii</i>	Engelmann spruce	épinette d'Engelmann	13
<i>Picea glauca</i>	white spruce	épinette blanche	953
<i>Picea glauca x engelmannii</i>	interior spruce		6
<i>Picea glauca x mariana</i>			3
<i>Picea glehnii</i>	Saghalin spruce		2
<i>Picea jezoensis</i>	Yeddo spruce		1
<i>Picea koraiensis</i>			3
<i>Picea mariana</i>	black spruce	épinette noire	98
<i>Picea orientalis</i>	Oriental spruce		1
<i>Picea pungens var. glauca</i>	Colorado blue spruce		2
<i>Picea rubens</i>	red spruce	épinette rouge	71
<i>Picea schrenkiana</i>	Schrenk's spruce		2
<i>Picea sitchensis</i>	Sitka spruce	épinette de Sitka	34
<i>Pinus albicaulis</i>	whitebark pine	pin à blanche écorce	2
<i>Pinus armandi var. mastersiana</i>			2
<i>Pinus banksiana</i>	jack pine	pin gris	54
<i>Pinus bungeana</i>	lacebark pine		1
<i>Pinus caribaea var. caribaea</i>			2
<i>Pinus caribaea var. bahamensis</i>			1
<i>Pinus caribaea var. hondurensis</i>			3
<i>Pinus cembra var. sibirica</i>			2
<i>Pinus contorta var. contorta</i>	shore pine	pin tordu	3
<i>Pinus contorta var. latifolia</i>	lodgepole pine	pin tordu latifolié	98
<i>Pinus contorta var. murrayana</i>	lodgepole pine	pin tordu latifolié	1
<i>Pinus coulteri</i>	big-cone pine		1
<i>Pinus densata</i>			1
<i>Pinus densiflora</i>	Japanese red pine		2
<i>Pinus elliottii</i>	slash pine		10
<i>Pinus flexilis</i>	limber pine	pin flexible	1
<i>Pinus griffithii</i>	Himalayan white pine		1
<i>Pinus halepensis</i>	Aleppo pine		1
<i>Pinus heldreichii var. leucodermis</i>			3
<i>Pinus kesiya</i>	Khasi pine		1
<i>Pinus koraiensis</i>	Korean pine		2
<i>Pinus maximinoi</i>			1
<i>Pinus merkusii</i>			1
<i>Pinus monticola</i>	Western white pine	pin argenté	11
<i>Pinus mugo</i>	mugho pine	pin mugo	1

Scientific name/ Nom scientifique	Common name/Nom commun English name	Nom français	Number of seedlots per species/ Nombre de lots de semences par essence
<i>Pinus mugo</i> var. <i>pumilio</i>			1
<i>Pinus mugo</i> var. <i>rostrata</i>			1
<i>Pinus muricata</i>			1
<i>Pinus nigra</i>	Austrian pine	pin noir d'Autriche	9
<i>Pinus nigra</i> var. <i>austriaca</i>			4
<i>Pinus nigra</i> var. <i>koekelare</i>			1
<i>Pinus oocarpa</i>			4
<i>Pinus patula tecunmanii</i>			2
<i>Pinus peuce</i>	Macedonian pine		1
<i>Pinus ponderosa</i>	ponderosa pine	pin ponderosa	5
<i>Pinus pumila</i>			2
<i>Pinus resinosa</i>	red pine	pin rouge	34
<i>Pinus rigida</i>	pitch pine	pin rigide	29
<i>Pinus sibirica</i>			4
<i>Pinus strobus</i>	Southwestern white pine		1
<i>Pinus strobus</i>	Eastern white pine	pin blanc	47
<i>Pinus strobus</i> var. <i>chiapensis</i>			1
<i>Pinus sylvestris</i>	Scots pine	pin sylvestre	43
<i>Pinus sylvestris</i> var. <i>mongolica</i>			4
<i>Pinus sylvestris</i> var. <i>rigensis</i>			1
<i>Pinus tabulaeformis</i>	Chinese pine		1
<i>Pinus taiwanensis</i> <i>hayata</i>	Formosa pine		2
<i>Pinus thunbergii</i>	Japanese black pine		3
<i>Pinus wallichiana</i>	Himalayan pine		3
<i>Platycladus orientalis</i>			1
<i>Platanus occidentalis</i>	sycamore	platane occidental	2
<i>Populus balsamifera</i>	balsam poplar	peuplier baumier	1
<i>Populus grandidentata</i>	largetooth aspen	peuplier à grandes dents	15
<i>Populus tremuloides</i>	trembling aspen	peuplier faux-tremble	16
<i>Prunus avium</i>	sweet cherry	cerisier sauvage	1
<i>Prunus pensylvanica</i>	pin cherry	cerisier de Pennsylvanie	3
<i>Prunus serotina</i>	black cherry	cerisier tardif	2
<i>Prunus virginiana</i> var. <i>virginiana</i>	choke cherry	cerisier de Virginie	4
<i>Pseudotsuga menziesii</i> var. <i>glaucia</i>	Rocky Mountain Douglas-fir	Douglas bleu	18
<i>Pseudotsuga menziesii</i> var. <i>menziesii</i>	Douglas-fir	Douglas vert	15
<i>Ptelea trifoliata</i>	common hoptree	ptéléa trifolié	1
<i>Pterocarpus macrocarpus</i>			1
<i>Quercus rubra</i>	red oak	chêne rouge	1
<i>Rhamnus frangula</i>	glossy buckthorn	nerprun bourdaine	1
<i>Rhus typhina</i>	staghorn sumac	sumac vinaigrer	3
<i>Robinia pseudoacacia</i>	black locust	robinier faux-acacia	2
<i>Sabin chinensis</i>			1
<i>Sambucus canadensis</i>	American elder	sureau blanc	2
<i>Sambucus pubens</i>	Eastern red elderberry	sureau rouge	3
<i>Sambucus racemosa</i>	European red elder		1
<i>Sassafras albidum</i>	sassafras	sassafras officinal	1
<i>Schinus patagonicus</i>			1

Scientific name/ Nom scientifique	Common name/Nom commun English name	Nom français	Number of seedlots per species/ Nombre de lots de semences par essence
<i>Sorbus americana</i>	American mountain-ash	sorbier d'Amérique	3
<i>Sorbus aucuparia</i>	European mountain-ash	sorbier des oiseleurs	2
<i>Sorbus decora</i>	showy mountain-ash	sorbier décoratif	3
<i>Sorbus intermedia</i>	Swedish whitebeam		1
<i>Thuja occidentalis</i>	Eastern white-cedar	thuya occidental	10
<i>Thuja plicata</i>	Western redcedar	thuya géant	7
<i>Tilia americana</i>	basswood	tilleul d'Amérique	5
<i>Tilia euchlora</i>	Crimea linden		1
<i>Tsuga canadensis</i>	Eastern hemlock	pruche du Canada	12
<i>Tsuga heterophylla</i>	Western hemlock	pruche de l'Ouest	8
<i>Tsuga mertensiana</i>	mountain hemlock	pruche subalpine	4
<i>Ulmus americana</i>	white elm	orme d'Amérique	4
<i>Ulmus glabra</i>	Scotch elm	orme de montagne	1
<i>Ulmus laevis</i>	European white elm		1
<i>Viburnum alnifolium</i>	hobblebush	viorne à feuilles d'aulne	1
<i>Viburnum cassinoides</i>	witherod	viorne cassinoïde	1
<i>Viburnum lentago</i>	sweet viburnum	viorne flexible	1
<i>Viburnum opulus</i>	European cranberry	viorne obier	1
<i>Viburnum trilobum</i>	cranberry viburnum	viorne trilobée	2
Total number of seedlots Nombre total de lots de semences			2694

Table 2. Legend of Seed List Codes
 Tableau 2. Abréviations pour la liste des semences

Code/Abbréviation	Meaning/Signification
Seed Centre Number Numéro de Centre de semences	Number assigned to an individual seedlot by the National Tree Seed Centre Numéro assigné à un lot de semences par le Centre national de semences forestières
Coll. Year Année de récolte	Year of collection of the seedlot Année de récolte du lot de semences
Collection Type Type de récolte	'B' indicates bulked or general collection from more than one tree; () gives number of trees from which bulked collection was made; 'S' refers to collection from a single tree; 'SQ' indicates collection from squirrel cache; N/A indicates unknown collection type 'B' indique une récolte générale ou en grande quantité sur plus d'un arbre; () indique le nombre d'arbres sur lesquels on a récolté les semences; 'S' indique la récolte sur un seul arbre; 'SQ' indique une récolte par cachettes d'écureuils; N/A indique un type de récolte inconnu
Provenance	Name of the nearest identifiable geographic location to a collection site Nom de l'endroit géographique identifiable situé le plus près du lieu de la récolte
Province Code Code provincial	Canadian province or American state (refer to Tables 3 and 4) Province canadienne ou état américain (consulter les tableaux 3 et 4)
Country Code Code de pays	Refer to Table 5 Consulter le tableau 5
Latitude	Latitude of collection in degrees and minutes Latitude du lieu de la récolte en degrés et minutes
Longitude	Longitude of collection in degrees and minutes Longitude du lieu de la récolte en degrés et minutes
Elevation Altitude	Elevation of collection in metres Altitude du lieu de la récolte en mètres
TSW PMS	Average weight in grams of 1000 seeds Poids moyen en grammes de 1000 semences
Test: Year Test : Année	Year of most recent germination test Année du test de germination le plus récent
% Germ.	Result from the most recent germination test. If blank, no germination information is available Résultat du test de germination le plus récent. Un espace vide signifie que l'on ne dispose pas de renseignements sur la germination

Table 3. Codes for Canadian Provinces
 Tableau 3. Codes des provinces canadiennes

Canadian Province Code/ Code de province canadienne	Canadian Province/Province canadienne
AB	Alberta
BC	British Columbia/Colombie-Britannique
MB	Manitoba
NB	New Brunswick/Nouveau-Brunswick
NF	Newfoundland/Terre-Neuve
NS	Nova Scotia/Nouvelle-Écosse
ON	Ontario
PE	Prince Edward Island/Île-du-Prince-Édouard
QC	Québec
SK	Saskatchewan
YT	Yukon Territory/Territoire du Yukon

Table 4. Codes for American States
 Tableau 4. Codes pour états américains

American State Code/ Code d'état américain	American State/État américain
AK	Arkansas
AZ	Arizona
CA	California/Californie
GA	Georgia/Géorgie
IA	Iowa
ID	Idaho
ME	Maine
MI	Michigan
MN	Minnesota
MS	Mississippi
MT	Montana
NC	North Carolina/Caroline du Nord
NH	New Hampshire
NM	New Mexico/Nouveau-Mexique
NY	New York
OR	Oregon
PA	Pennsylvania/Pennsylvanie
WA	Washington

Table 5. Country Codes
 Tableau 5. Codes de pays

Country Code/ Code de pays	Country/Pays
ARG	Argentina/Argentine
BHS	Bahamas
BEL	Belgium/Belgique
BGR	Bulgaria/Bulgarie
BLR	Belarus/Bélarus
BLZ	Belize/Bélize
CHN	China/Chine
COL	Colombia/Colombie
CUB	Cuba
CZE	Czech Republique/République tchèque
DEU	Germany/Allemagne
DNK	Denmark/Danemark
EST	Estonia/Estonie
FIN	Finland/Finlande
FRA	France
GBR	United Kingdom/Royaume-Uni
GTM	Guatemala
HND	Honduras
ITA	Italy/Italie
JPN	Japan/Japon
KEN	Kenya
KOR	Republic of Korea/République de Corée
LTU	Lithuania/Lituanie
LVA	Latvia/Lettonie
MDG	Madagascar
MEX	Mexico/Mexique
MKD	Macedonia/Macédoine
NIC	Nicaragua
NOR	Norway/Norvège
NPL	Nepal/Népal
NZL	New Zeland/Nouvelle-Zélande
PAK	Pakistan
POL	Poland/Pologne
ROM	Romania/Roumanie
RUS	Russian Federation/Fédération russe
SVK	Slovakia/Slovaquie
SWE	Sweden/Suède
THA	Thailand/Thaïlande
TUR	Turkey/Turquie
UKR	Ukraine
USA	United States/États-Unis
ZMB	Zimbabwe

Table 6. National Tree Seed Centre Seed List
 Tableau 6. Liste des semences du Centre national de semences forestières

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Collection Provenance	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	Test: Year/ PMS	% Année Germ.
<i>Abies alba</i> [European silver fir; sapin blanc]								
8380643.0	1983	N/A	MARGERIDE MOUNTAINS	FRA	45.00	3.30	43.95	18.5
9180094.0	1991	B	P. N. RETEZAT	ROM	45.21	22.50	47.40	2.5
<i>Abies amabilis</i> [amabilis fir; sapin gracieux]								
7970037.0	1980	B	ORCHARD TFL 27	BC	CAN	124.44	740	36.25
8270001.0	1982	N/A	HARRIS CREEK	BC	CAN	124.05	900	35.70
8270036.0	1982	B	HARRIS CREEK	BC	CAN	124.05	800	37.78
8370636.0	1983	B	TAYLOR RIVER	BC	CAN	125.28	250	25.96
8570025.0	1985	B	CHIPMUNK CREEK	BC	CAN	122.45	1415	28.98
8570209.0	1985	N/A	VALENTINE	BC	CAN	122.47	1200	1990
9070056.0	1990	B	TENQUILLE	BC	CAN	122.47	1000	47.80
9370031.0	1993	B	ROGERS CREEK	BC	CAN	122.22	32.03	70.5
<i>Abies balsamea</i> [balsam fir; sapin baumier]								
6632380.0	1966	B	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24	9.18
7034190.0	1970	S	OTTAWA	ON	CAN	75.34	74	13.8
7034230.0	1970	S	OTTAWA	ON	CAN	75.34	67	7.48
7034240.0	1970	S	OTTAWA	ON	CAN	75.34	67	9.76
7034250.0	1970	S	OTTAWA	ON	CAN	75.34	67	44.2
7311350.0	1973	N/A	ACADIA FOR. EXP. STA.	NB	CAN	65	8.96	1990
7432000.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	66.15	120	1990
7432010.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	9.56
7432030.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	60.2
7432060.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	9.62
7432080.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	32.0
7832260.0	1978	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	10.57
7832280.0	1978	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	70.8
7832290.0	1978	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	8.28
7832300.0	1978	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	1990
7931180.0	1979	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	7.73
7931200.0	1979	S	PETAWAWA NAT. FOR. INST.	ON	CAN	77.24	160	10.40
8205950.0	1982	B	NOEL PAUL BROOK	NF	CAN	56.37	180	1990
8210044.0	1982	B	DEERSDALE	NB	CAN	77.24	160	1992
8310012.0	1983	B	NORTH GRANT	NS	CAN	67.03	125	11.24
8310050.0	1983	B	WOODFIELD	NS	CAN	62.04	215	10.03
8410903.0	1984	B	BEAR RIVER	NS	CAN	65.40	125	1997

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année	Collection Type	Collection Type	Province de récolte	Province de récolte	Country Code	Country Code	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
<i>Abies balsamea</i> [balsam fir; sapin baumier] (continued/suite)											
8411449.0	1984	B	NORTH RANGE	NS	CAN	49.30	67.00	46	10.98	1997	33.5
8411451.0	1984	B	LOUD LAKE	NS	CAN	44.30	65.40	152	10.76	1997	64.5
8411456.0	1984	B	WOODFIELD	NS	CAN	45.32	62.25	200	10.34	1997	82.0
8500108.0	1985	B	BAY DESPOIR	NF	CAN	47.57	55.36	150	9.88	1991	43.5
8510024.0	1985	B	PLEASANT VALLEY	NS	CAN	45.41	62.04	150	9.98	1997	57.0
8510221.0	1985	B	ST. ANDREWS	NS	CAN	45.36	61.52	832	1990	48.0	
8710012.0	1987	B	SPAR LAKE	NS	CAN	45.05	62.23	61	9.53	1997	58.0
8710013.0	1987	B	GRANVILLE FERRY	NS	CAN	44.45	65.28	40	11.37	1997	85.5
8710027.0	1987	B	SHEEPHOUSE BROOK	NB	CAN	47.05	65.59	450	11.44	1997	65.0
8711221.0	1987	B	LITTLE SEVOGLE RIVER	NB	CAN	47.05	65.59				54.0
8800429.0	1988	B	BAY DESPOIR	NF	CAN	47.66	55.52	200	9.14	1989	83.0
8800430.0	1988	B	RODDICKTON	NF	CAN	50.59	56.14	100	8.32	1989	56.2
8800431.0	1988	B	PORT SAUNDERS	NF	CAN	50.25	57.15	110	7.31	1989	25.7
8810043.0	1988	B	MCKENZIE ROAD	NS	CAN	46.22	60.48	426	10.10	1997	78.0
8810044.0	1988	B	LOWER NORTH GRANT	NS	CAN	45.41	62.00	152	11.13	1997	54.0
8810049.0	1988	B	HOT SPOT ROAD	NS	CAN	43.25	60.46	396	11.41	1997	80.0
8810050.0	1988	B	WEST RIVER STATION	NS	CAN	45.27	62.53	170	10.98	1997	68.5
8810051.0	1988	B	FRENCH RIVER	NS	CAN	45.34	62.26	105	1.45	1997	58.0
8810052.0	1988	B	IRWIN LAKE	NS	CAN	45.18	63.21	135	8.62	1997	53.5
8810053.0	1988	B	ONSLOW MOUNTAIN	NS	CAN	45.25	63.18	155	9.94	1997	63.0
8810054.0	1988	B	CARLETON	NS	CAN	44.01	65.56	61	9.70	1997	69.5
8810055.0	1988	B	NORTH GRANT	NS	CAN	45.41	62.02	152	11.44	1997	56.5
8810056.0	1988	B	MILL STREAM	NS	CAN	45.27	62.39	125	10.63	1997	51.0
8810057.0	1988	B	PLEASANT VALLEY	NS	CAN	45.40	62.02	150	10.86	1997	56.5
8810067.0	1988	B	BEAR LAKE	NB	CAN	47.10	66.10	258	9.81	1996	61.0
8811353.0	1988	B	NORTH RIVER	NS	CAN	46.25	60.46	425			58.0
9060734.0	1990	N/A	WABASCA	AB	CAN	55.55	114.20	549	9.12	1993	65.8
9130077.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24				
9130078.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25				
9130079.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.26				
9130080.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24				
9130081.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25				
9130082.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24				
9130083.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25				
9230085.0	1992	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24				
9230086.0	1992	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24				
9350174.0	1993	B	WHELAN BAY	SK	CAN	53.86	105.20				
8285440.0	1982	N/A	JACKSON COUNTY	NC	USA	35.15	83.15				
<i>Abies fraseri</i> [Fraser fir; sapin de Fraser]											
									7.28	1992	69.0

Seed CentreNumber/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provenance	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
<i>Abies grandis</i> [grand fir; sapin grandissime]											
7473860.0	1974	B	VICTORIA	BC	CAN	48.29	123.26	90	23.95	1986	13.0
8170004.0	1981	B	MUDBAY	BC	CAN	49.28	124.48	40	25.36	1997	31.0
8270002.0	1982	B	VEDDER MOUNTAIN	BC	CAN	49.05	122.00	350	23.50	1997	55.0
8570013.0	1985	N/A	YELLOW POINT	BC	CAN	49.00	123.45	10	19.98	1997	51.0
8570210.0	1985	N/A	CEDAR	BC	CAN	49.07	123.52		18.03	1986	21.0
8570211.0	1985	N/A	BAINBRIDGE LAKE	BC	CAN				18.70	1986	56.5
8570212.0	1985	N/A	BUCKLEY BAY	BC	CAN	49.31	124.51		30.31	1986	55.0
8870006.0	1988	N/A	BAINBRIDGE	BC	CAN	48.11	124.42	100	20.76	1997	56.0
8870007.0	1988	N/A	VALDEZ ISLAND	BC	CAN	49.02	123.37	5	20.82	1997	49.5
8870008.0	1988	N/A	DUNCAN	BC	CAN	48.45	123.33	100	19.82	1997	57.0
8870009.0	1988	N/A	GABRIOLA ISLAND	BC	CAN	49.07	123.41	10	18.14	1997	42.0
8870059.0	1988	N/A	BUCKLEY BAY	BC	CAN	49.38	124.45	10	18.86	1997	59.5
8871100.0	1988	B	YELLOW POINT	BC	CAN	49.03	123.50		20.87	1990	75.0
8871101.0	1988	B	BUCKLEY BAY	BC	CAN	49.32	124.50		17.86	1990	67.5
8871795.0	1988	B	GABRIOLA ISLAND	BC	CAN	49.10	123.50	25	20.25	1995	71.5
<i>Abies lasiocarpa</i> [subalpine fir; sapin subalpin]											
7473110.0	1974	B	MONASHEE MOUNTAINS	BC	CAN	51.05	118.35	1830	9.93	1992	50.0
7473120.0	1974	B	SHUSWAP LAKE	BC	CAN	50.58	119.30	1370	10.72	1986	61.0
7477310.0	1974	B	MCGILLIVRAY LAKE	BC	CAN	50.51	119.51	1448	10.60	1986	33.5
7870005.0	1978	B	BELL MOUNTAIN	BC	CAN	53.19	120.19	1175	11.97	1997	70.0
7870006.0	1978	B	VALEMOUNT	BC	CAN	52.50	119.20	838	12.62	1997	40.0
7971830.0	1979	B	HUDSONS BAY MOUNTAIN	BC	CAN	54.45	127.15	1130	10.89	1990	68.5
8270557.0	1982	B	DUCK LAKE	BC	CAN	49.07	124.39	1130	13.24	1990	33.3
8570214.0	1985	N/A	GRAFFUNDER LAKES	BC	CAN				14.49	1992	38.0
8570215.0	1985	N/A	GRAFFUNDER LAKES	BC	CAN				8.30	1992	44.7
8871315.0	1988	B	COQUIHALLA PASS	BC	CAN	49.38	121.01	1250	13.31		
9070000.0	1990	B	MCKENDRICK PASS	BC	CAN	54.52	126.42	900	11.83	1997	47.0
9070009.0	1990	N/A	GRISLY LAKE	BC	CAN	54.23	126.53	850	11.44	1997	51.5
9160097.0	1991	N/A	TURNER VALLEY	AB	CAN	50.37	114.12	1919	4.74	1993	7.0
9170000.0	1991	N/A	HARCHEL HILL	BC	CAN	60.44	135.13	1100	8.74	1997	39.5
<i>Abies lasiocarpa</i> [subalpine fir; sapin subalpin]											
9270071.0	1992	N/A	SAKENICHI	BC	CAN	55.07	125.54	1000	13.14	1997	76.0
9370002.0	1993	N/A	INZANA LAKE	BC	CAN	55.02	124.51	1050	9.24	1997	58.0
9370003.0	1993	N/A	MCGILLIVRAY LAKE	BC	CAN	50.33	119.53	1372	7.54	1997	55.5
<i>Abies nordmanniana</i> [Nordmann fir; sapin de Nordmann]											
1180178.0		N/A	CHAROLLAIS MOUNTAINS	FRA		46.30	4.30				30.28

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type		Province Code Province	Country Code de pays	Province	Elevation/ Altitude (m)	Test: PMS	Year/ Année	% Germ.
<i>Acer negundo</i> [Manitoba maple; érable à feuilles composées]										
8330032.0	1983	S	TORONTO	ON CAN	43.43	79.23	150	70.57	1998	50.0
9710029.0	1997	B	COLES ISLAND	NB CAN	45.55	65.53	60	36.95		
9710034.0	1997	B	BAGDAD	NB CAN	45.55	65.50	60	36.67		
<i>Acer platanoides</i> [Norway maple; érable de Norvège]										
8330026.0	1983	S	TORONTO	ON CAN	43.43	79.23	158	169.27	1998	10.0
83300139.0	1983	S	TORONTO	ON CAN	43.43	79.23	158	161.93	1998	86.0
<i>Acer pseudoplanatus</i> [sycamore maple; érable sycomore]										
8330073.0	1983	S	TORONTO	ON CAN	43.40	79.23	107	112.94	1984	28.0
<i>Acer rubrum</i> [red maple; érable rouge]										
7930110.0	1979	S	PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.25	170	13.12	1998	27.0
8230070.0	1982	S	PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.24	150	10.92	1998	79.0
8230100.0	1982	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.25	150	8.13	1998	25.0
8430013.0	1984	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.25	150	11.82	1998	67.0
8430014.0	1984	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.24	150	7.86	1998	55.0
8430015.0	1984	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.26	150	14.58	1998	32.0
8430016.0	1984	S	PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.25	180	14.44	1998	55.0
8430017.0	1984	S	PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.27	190	13.05	1998	89.0
8430021.0	1984	S	CHALK RIVER	ON CAN	46.04	77.25		16.08	1998	63.0
8430022.0	1984	S	CHALK RIVER	ON CAN	46.04	77.26		11.00	1998	92.0
8430024.0	1984	S	LOON LAKE	ON CAN	44.55	79.25	215	17.60	1998	70.0
8430025.0	1984	N/A	SITE REGION 62	ON CAN				14.71	1998	49.0
8730160.0	1987	S	PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.25		11.95	1998	79.0
8730161.0	1987	S	CHALK RIVER	ON CAN	46.04	77.25		10.56	1998	80.0
8930008.0	1989	S	DEEP RIVER	ON CAN	46.06	77.30		10.01	1998	52.0
8930009.0	1989	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.24		12.14	1998	56.0
8930010.0	1989	S	DEEP RIVER	ON CAN	46.06	77.30		6.75	1998	41.0
9230033.0	1992	S	DEEP RIVER	ON CAN	46.05	77.29		10.46	1998	89.0
9230034.0	1992	S	DEEP RIVER	ON CAN	46.05	77.29		10.46	1998	70.0
9230036.0	1992	S	CHALK RIVER	ON CAN	46.00	77.27		10.72	1998	59.0
9230037.0	1992	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.26		11.05	1998	74.0
9230038.0	1993	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.24		11.65	1998	81.0
9330013.0	1993	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.26		13.56	1998	77.0
9330014.0	1993	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.26		13.23	1998	92.0
9330015.0	1993	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.25		10.81	1998	80.0
9330016.0	1993	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.24		10.51	1998	57.0

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provenance de récolte	Province provincial	Country Code de pays	Country Code de pays	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Acer rubrum</i> [red maple; érable rouge] (continued/suite)										
9330017.0	1993	S	TUCKER CREEK	ON	CAN	45.58	77.23	11.70	1998	41.0
9330018.0	1993	S	PEMBROKE	ON	CAN	45.59	77.13	11.23	1998	91.0
9330019.0	1993	S	CHALK RIVER	ON	CAN	46.03	77.31	10.98	1998	78.0
9330020.0	1993	B	DEEP RIVER	ON	CAN	46.04	77.31	10.49	1998	64.0
9330021.0	1993	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.59	77.27	12.50	1998	66.0
9330022.0	1993	S	ALICE	ON	CAN	45.45	77.17	12.48	1998	86.0
9330023.0	1993	B	PETAWAWA NAT. FOR. INST.	ON	CAN	45.59	77.27	12.41	1998	64.0
9330024.0	1993	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.29	13.80	1998	89.0
9330025.0	1993	S	CHALK RIVER	ON	CAN	46.03	77.31	9.54	1998	68.0
9430004.0	1994	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	76.26	1998	79.0	
9430005.0	1994	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	76.26	1998	74.0	
9430008.0	1994	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	76.26	1998	85.0	
9430010.0	1994	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	76.26	1998	52.0	
9710001.0	1997	B	ACADIA FOR. EXP. STA.	NB	CAN	46.02	66.38	100	1997	74.0
<i>Acer saccharum</i> [sugar maple; érable à sucre]										
8630182.0	1986	B	CALEDONIA	ON	CAN	46.03	77.22	74.56	1998	72.0
9230045.0	1992	S	CHALK RIVER	ON	CAN	46.00	77.26	81.22	1998	56.0
9230072.0	1992	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	104.38	1998	77.0
9230081.0	1992	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	127.77	1998	88.0
9230089.0	1992	S	INGERSOL	ON	CAN	43.02	80.53	72.64	1998	38.0
9230094.0	1992	S	FONTHILL	ON	CAN	43.02	79.17	73.34	1998	36.0
<i>Alnus cordata</i> [Italian alder; aulne d'Italie]										
7983300.0	1979	B	USA					2.63	1989	0.1
8082030.0	1980	N/A	NAPOLI, CAMPANIA	ITA	40.39	14.30	700	2.51	1993	0.1
8181340.0	1981	S	GERAARDSBERGEN	BEL	50.47	3.53		3.55	1993	5.0
<i>Alnus cremastogyne</i>										
83380676.0	1983	N/A	I-PIN, SICHUAN PROVINCE	CHN		29.00	104.00	355	0.57	1989
84481652.0	1984	N/A	SHIGA PREFECTURE	JPN		34.58	136.00	260	1.01	1992
<i>Alnus formosana</i>										
1180044.0	N/A		JIAYIN	CHN		48.52	130.25	1600	0.43	1992
1180045.0	N/A		NAM-AO	CHN				20	0.51	1992
1180046.0	N/A		LISHAN	CHN				2000	0.64	1992
1180047.0	N/A		TAICHUNG	CHN		24.09	120.40	40	0.73	1992
1180048.0	N/A		CHANGHUA	CHN		30.13	119.11	200	0.41	1992
<i>Alnus formosa</i>										
1180044.0	N/A									12.5
1180045.0	N/A									15.5
1180046.0	N/A									17.2
1180047.0	N/A									26.2
1180048.0	N/A									39.5

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type	Provence de récolte	Province provincial	Country Code	Country Code	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
<i>Alnus glutinosa</i> [European black alder; aulne glutineux]										
1180017.0	N/A	KN.KAJAANI,PUROLA ST. JULIEN-EN-BORN	FIN FRA	44.04 48.32	1.13 6.32	22 250	1.11 0.93	1988 1992	24.0 48.0	
7984670.0	1979	N/A	FRAMBOIS 4	TUR	51.30	31.30	0.98 1.53	1990 1988	43.0 27.5	
7984680.0	1979	N/A	TURKEY	BEL	51.15	4.40	1.82	1988	0.5 43.5	
8180890.0	1981	S	CHERNIGOVSKAYA OBLAST	NOR	64.12	12.13	30	1.11	1988	
8181210.0	1981	B	ZOERSEL 3	BGR	25.40	42.50	400	1.40	1992	
8181370.0	1981	S	JORSTAD, SNASA DISTRICT	SWE	61.15	24.00	1.38	1990	66.0 81.5	
8181380.0	1981	N/A	VONESOTA VODA - 3	FIN	61.15	24.00	1.19	1997	48.0	
8181390.0	1985	B	SEED ORCHARD-S21A8550001							
8580199.0	1996	B	VALKEAKOSKI							
9680235.0										
<i>Alnus hirsuta</i>										
8380672.0	1983	N/A	CHANG-WEI,SHANDONG PROV	CHN CHN	36.00 36.00	120.00 120.00	500 500	1.20 1.23	1989 1990	
8680511.0	1986	N/A	CHANG-WEI,SHANDONG PROV							
<i>Alnus hirsuta turcz. var. microphylla nakai</i>										
8181586.0	1981	N/A	IWATE PREFECTURE	JPN	39.46	141.08	190	0.63	1990	
<i>Alnus incana</i> [grey alder; aulne blanc]										
7683860.0	1976	B	TARTU RES. FOREST	EST EST	58.22 58.24	26.46 26.43	70 50	0.60 0.92	1989 1984	
7983140.0	1979	S	TARTU	EST	58.19	24.40	20	0.70	1989	
7983150.0	1979	S	SURJU FOR DIST							
<i>Alnus incana</i> ssp. <i>rugosa</i> [speckled alder; aulne rugueux]										
7981860.0	1979	B	PENOBSCOT RIVER	ME USA	45.00 45.59	69.00 77.26	40 180	0.62 0.74	1989 1990	
8130150.0	1981	B	PETAWAWA NAT. FOR. INST.	ON CAN	46.35	64.03	10	0.71	1989	
8310202.0	1983	B	ENMORE	PE CAN	46.24	63.24	70	0.79	1993	
8310203.0	1983	B	MILLYVALE	PE CAN	46.08	62.43	45	0.85	1989	
8310204.0	1983	B	VALLEYFIELD	PE CAN	46.14	64.36	15	0.67	1989	
8310876.0	1983	B	SHEDIAC	NB CAN	45.20	76.30	75	0.62	1989	
8330892.0	1983	B	OTTAWA	ON CAN	45.50	77.15	150	0.72	1989	
8330893.0	1983	B	PEMBROKE	ON CAN	48.18	58.27	61	0.91	1989	
8400850.0	1984	B	ST. GEORGES	NF CAN	49.00	55.35	122	0.83	1989	
8400852.0	1984	B	GRAND FALLS	NF CAN	48.30	56.40	305	1.02	1989	
8400853.0	1984	B	LAKE DOUGLAS	NF CAN	48.20	55.30	213	0.99	1989	
8401702.0	1984	B	BERRY HILL POND	NS CAN	44.32	65.21	168	0.69	1989	
8411699.0	1984	B	VIEW LAKE	NS CAN	44.13	65.56	76	0.76	1989	
8411700.0	1984	B	CORBERIE	NB CAN	45.57	65.45	15	0.86	1989	
8411705.0	1984	B	QUEEN'S COUNTY	NS CAN	45.52	63.54	15	0.70	1989	
8411706.0	1984	B	SHINIMICAS BRIDGE							

Seed Centre Number/ Numéro de Centre	Centre	Coll Year/ Année	Collection Type	Province	Country	Elevation/ Test:
de semences			de récolte	Code provincial	Code	Altitude TSW
			de récolte	de pays	Code	Year/ Année
<i>Alnus incana ssp. incana</i> [speckled alder; aulne rugueux] (continued/suite)						
8420726.0		1984	B	VERONIQUE	CAN	46.30
8421672.0		1984	B	LA BRIEVILLE	CAN	49.09
8421677.0		1984	B	ST.FEREOU	CAN	47.41
8421678.0		1984	B	MANICOUAGAN	CAN	49.49
8421682.0		1984	B	GRANDE-ANSE	CAN	47.07
8421683.0		1984	B	LAC SYLANS	CAN	47.19
8421703.0		1984	B	DRUMMONDVILLE	CAN	45.54
8421704.0		1984	B	ST.THARCISIUS	CAN	48.33
8421707.0		1984	B	PARISVILLE	CAN	46.32
8421708.0		1984	B	CLOUTIER	CAN	48.00
8421709.0		1984	B	AMOS	CAN	49.07
8421710.0		1984	B	LAC DUMOULIN	CAN	49.42
8430827.0		1984	B	CARNARVON	ON	45.02
8430829.0		1984	B	BANCROFT	ON	44.58
8430831.0		1984	B	JUNCTION HWY 60 AND 127	ON	45.28
8430837.0		1984	B	COLBORNE	ON	44.02
8430838.0		1984	B	OMENEE	ON	44.18
8431673.0		1984	B	CARAMAT	ON	49.33
8431674.0		1984	B	DOG RIVER	ON	48.55
8431675.0		1984	B	WHITE RIVER	ON	45.22
8431676.0		1984	B	DACRE	ON	45.20
8431680.0		1984	B	HAZELWOOD	ON	49.08
8431681.0		1984	B	SPRUCE RIVER	ON	49.08
8431685.0		1984	B	BEARDMORE	ON	49.41
8451469.0		1984	B	HUDSON BAY	SK	52.48
8451470.0		1984	B	FORT A LA CORNE	SK	53.24
8451471.0		1984	B	MCPHEE LAKE	SK	53.52
8451472.0		1984	B	CANDLE LAKE	SK	53.53
8451473.0		1984	B	MEADOW LAKE	SK	54.16
8451684.0		1984	B	LARONGE	SK	54.48
9480290.0		1994	B	PENNSYLVANIA	PA USA	41.00
<i>Alnus incana ssp. tenuifolia</i> [mountain alder; aulne à feuilles minces]						
8071200.0		1980	B	CRANBROOK	CAN	49.30
8360537.0		1983	B	HINTON	CAN	53.25
8360542.0		1983	B	WANDERING RIVER	AB CAN	55.20
8360543.0		1983	B	EDSON	AB CAN	53.35
8360885.0		1983	B	FT. ASSINIBOINE	AB CAN	54.30
8370875.0		1983	B	LOUIS CREEK	BC CAN	50.51
8370878.0		1983	B	CACHE CREEK	BC CAN	50.59

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provence de récolte	Province provincial	Country Code de pays	Code provincial	Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
<i>Alnus incana</i> ssp. <i>tenuifolia</i> [mountain alder; aulne à feuilles minces] (continued/suite)										
8370879.0	1983	B	BOBTAIL	BC	CAN	33.57	123.28	1152	0.70	1989 48.0
8370880.0	1984	B	ISKUT	BC	CAN	57.53	130.00	1033	0.71	1989 66.8
8370881.0	1983	B	HOUSTON	BC	CAN	54.29	126.13	533	0.82	1989 55.8
8370882.0	1983	B	THREE VALLEY GAP	BC	CAN	50.59	118.33	518	0.40	1993 2.5
8370883.0	1983	B	BLUEBERRY CREEK	BC	CAN	49.18	117.47	884	0.54	1993 2.8
8370884.0	1984	B	DEASE LAKE	BC	CAN	58.32	130.00	817	0.72	1993 20.8
<i>Alnus japonica</i> [Japanese alder; aulne du Japon]										
8481653.0	1984	N/A	TOKYO PREFECTURE	JPN		35.39	139.17	210	3.09	1986 43.0
<i>Alnus iorullensis</i>										
8680290.0	1986	N/A	CUENCA RIOBLANCA	COL		5.08	75.28		0.34	1990 23.8
<i>Alnus rubra</i> [red alder; aulne rouge]										
8071150.0	1980	B	BOTANICAL BAY	BC	CAN	48.28	124.25	50	0.52	1988 53.0
8071180.0	1980	B	SHAWNIGAN	BC	CAN	48.36	123.40	190	0.62	1988 33.5
8274510.0	1982	B	ROBERTS LAKE	BC	CAN	50.15	125.25	350	0.67	1991 44.0
8274520.0	1982	B	PRINCE RUPERT	BC	CAN	54.20	130.09	78	0.78	1991 33.2
8274530.0	1982	B	MASSET, Q.C.I.	BC	CAN	54.03	132.04	70	0.70	1991 7.8
8370230.0	1983	S	CASSIDY	BC	CAN	49.03	123.56	107	0.29	1990 4.0
8370231.0	1983	S	CASSIDY	BC	CAN	49.03	123.56	107	0.50	1990 35.0
8370232.0	1983	S	CASSIDY	BC	CAN	49.03	123.56	107	0.65	1988 43.5
8370234.0	1983	S	CASSIDY	BC	CAN	49.03	123.56	107	0.47	1988 17.2
8370235.0	1983	S	CASSIDY	BC	CAN	49.03	123.56	107	0.60	1990 25.2
8370239.0	1983	S	CASSIDY	BC	CAN	49.03	123.56	107	0.41	1988 10.8
8370245.0	1983	S	HORNE LAKE	BC	CAN	49.21	124.43	122	0.47	1990 17.5
8370250.0	1983	S	HORNE LAKE	BC	CAN	49.21	124.43	122	0.52	1988 36.8
8370251.0	1983	S	HORNE LAKE	BC	CAN	49.21	124.43	122	0.48	1988 27.2
8370252.0	1983	S	HORNE LAKE	BC	CAN	49.21	124.43	122	0.80	1988 38.0
8370254.0	1983	S	HORNE LAKE	BC	CAN	49.21	124.43	122	0.49	1990 42.5
8370257.0	1983	S	SALMON RIVER	BC	CAN	50.12	125.45	304	0.59	1990 41.5
8370258.0	1983	S	SALMON RIVER	BC	CAN	50.12	125.45	304	0.63	1990 95.2
8370261.0	1983	S	SALMON RIVER	BC	CAN	49.03	123.56	304	0.45	1990 60.2
8370262.0	1983	S	SALMON RIVER	BC	CAN	50.12	125.45	304	0.83	1990 77.0
8370263.0	1983	S	SALMON RIVER	BC	CAN	50.12	125.45	304	0.80	1990 0.1
8370264.0	1983	S	SALMON RIVER	BC	CAN	50.12	125.45	304	0.84	1990 86.0
8370266.0	1983	B	CASSIDY	BC	CAN	49.03	123.56	107	0.56	1990 12.8
8470569.0	1984	S	KITIMAT	BC	CAN	54.15	128.30	60	0.44	1990 46.5
8470577.0	1984	S	PORT HARDY	BC	CAN	50.37	127.15	37	0.37	1990 30.0
8470578.0	1984	S	PORT HARDY	BC	CAN	50.37	127.15	37	0.55	1990 63.0

Seed Centre Number	Centre	Coll. Year/ Année de récolte	Collection Type de récolte	Prov. Code	Country Code	Province Code provincial	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Alnus rubra</i> [red alder; aulne rouge] (continued/suite)										
8470581.0		1984	S	PORT HARDY	BC	CAN	50.37	127.15	37	0.38
8470582.0		1984	S	PORT HARDY	BC	CAN	50.37	127.15	37	0.60
8470583.0		1984	S	PORT HARDY	BC	CAN	50.37	127.15	37	0.47
8470584.0		1984	S	PORT HARDY	BC	CAN	50.37	127.15	37	0.53
8470585.0		1984	S	PORT HARDY	BC	CAN	50.37	127.15	37	0.70
8470586.0		1984	S	PORT HARDY	BC	CAN	50.37	127.15	37	0.70
8470599.0		1984	S	PRINCE RUPERT	BC	CAN	54.16	130.16	46	0.59
8470600.0		1984	S	PRINCE RUPERT	BC	CAN	54.16	130.16	46	0.38
8470601.0		1984	S	PRINCE RUPERT	BC	CAN	54.16	130.16	46	0.54
8470602.0		1984	S	PRINCE RUPERT	BC	CAN	54.16	130.16	46	0.43
8470603.0		1984	S	PRINCE RUPERT	BC	CAN	54.16	130.16	46	0.28
8470604.0		1984	S	PRINCE RUPERT	BC	CAN	54.16	130.16	46	0.28
9370004.0		1993	N/A	SKIDIGATE	BC	CAN	53.15	131.56	10	0.64
9370005.0		1993	N/A	PORT CLEMENT'S	BC	CAN	53.35	131.42	10	0.74
9370183.0		1993	B	QUEEN CHARLOTTE ISLANDS	BC	CAN	53.15	132.25	150	1997
<i>Alnus viridis</i> [European green alder]										
9080230.0		1990	B	RETEZAT	ROM	ROM	45.21	22.52	1700	0.53
9080231.0		1990	B	SINAIA DISTRICT	ROM	ROM	45.22	25.30	1500	0.26
9180990.0		1991	B	VALEA LUI BOGDAN	ROM	ROM	45.19	25.33	1450	0.33
<i>Alnus viridis</i> ssp. <i>crispia</i> [green alder; aulne crispé]										
7931400.0		1979	B	NIMITZ TOWNSHIP	ON	CAN	47.38	83.15	460	0.29
8310205.0		1983	B	RIVERDALE	PE	CAN	46.14	63.22	135	0.24
8310206.0		1983	B	IONA	PE	CAN	46.05	62.48	45	0.22
8310207.0		1983	B	MOUNT ROYAL	PE	CAN	46.40	64.15	20	0.24
8310894.0		1983	B	TANTALLON	NS	CAN	44.42	63.52	99	0.18
8310895.0		1983	B	YARMOUGH	NS	CAN	43.55	66.05	31	0.26
8320554.0		1983	B	MISSISSIPPI RIVER	QC	CAN	48.50	64.52	76	0.29
8320555.0		1983	B	MISSISSIPPI RIVER	QC	CAN	48.50	64.53	129	0.24
8360544.0		1983	B	EDSON	AB	CAN	53.35	116.30	0.25	1993
8360545.0		1983	B	FORT MCMURRAY	AB	CAN	56.30	112.10	0.27	1989
8360546.0		1983	B	OBED SUMMIT	AB	CAN	53.30	117.10	0.35	1989
8360547.0		1983	B	FORT ASSINIBOINE	AB	CAN	54.30	114.50	0.35	1988
8400857.0		1984	B	GRAND FALLS	NF	CAN	49.00	55.35	122	0.37
8400858.0		1984	B	CARMANVILLE	NF	CAN	49.25	54.20	15	0.40
8400859.0		1984	S	FLAT BAY	NF	CAN	48.18	58.36	61	0.51
8400860.0		1984	B	FLAT BAY	NF	CAN	48.18	58.36	61	0.46
8411712.0		1984	B	AMHERST	NB	CAN	45.53	64.16	30	0.37
8421686.0		1984	B	LAURENTIDE PROV. PARK	QC	CAN	47.44	70.44	762	0.36

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type	Prov. Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
<i>Alnus viridis ssp. <i>crispa</i> [green alder; aulne crispé] (continued/suite)</i>										
8421687.0	1984	B CHARNY	QC CAN	46.43	71.17	61	0.38	1989	62.2	
8421713.0	1984	B BERSIMIS	QC CAN	49.15	69.32	274	0.37	1989	72.2	
8421714.0	1984	B REMIGNY	QC CAN	47.47	79.15	274	0.36	1989	67.2	
8421715.0	1984	B CHAPAISS	QC CAN	49.22	74.02	411	0.42	1989	83.0	
8421717.0	1984	B QUEVILLON	QC CAN	49.06	77.00	76	0.32	1989	64.2	
8421718.0	1984	B ST. MAURICE	QC CAN	47.14	72.51	152	0.37	1989	69.8	
8421719.0	1984	B VERENDRYE	QC CAN	47.30	76.43	366	0.30	1989	45.5	
8421720.0	1983	B NEW RICHMOND	QC CAN	48.25	65.39	229	0.60	1989	79.5	
8421721.0	1984	B MANIC	QC CAN	49.52	68.44	335	0.37	1989	76.5	
8421722.0	1984	B CHIBOUGAMEAU	QC CAN	48.40	72.35	183	0.37	1989	86.5	
8421723.0	1984	B SAGARD	QC CAN	48.00	70.04	213	0.32	1989	72.2	
8421724.0	1984	B TADOUSSAC	QC CAN	48.08	69.41	46	0.46	1989	66.2	
8421725.0	1984	B ST. HONORE	QC CAN	48.31	71.04	152	0.39	1989	74.8	
8431688.0	1984	B FRAZER LAKE	ON CAN	49.12	88.12	290	0.26	1989	36.5	
8431689.0	1984	B PAKASHKAN LAKE	ON CAN	49.14	90.37	503	0.35	1989	54.5	
8431690.0	1984	B NAMEWAMININKAN RIVER	ON CAN	49.46	87.45	350	0.31	1989	28.8	
8431692.0	1984	B RAITH	ON CAN	48.55	90.00	488	0.25	1989	14.0	
8451474.0	1984	B HUDSON BAY	SK CAN	52.47	101.47	361	0.25	1989	8.5	
8451694.0	1984	B MEADOW LAKE	SK CAN	54.16	108.16	465	0.25	1989	16.5	
8451695.0	1984	B CANDLE LAKE	SK CAN	53.53	105.24	495	0.21	1989	27.0	
8451696.0	1984	B LARONGE	SK CAN	54.48	105.18	404	0.18	1989	5.0	
8451697.0	1984	B FORT A LA CORNE	SK CAN	53.24	104.43	450	0.25	1989	7.8	
8451698.0	1984	B MCPHEE LAKE	SK CAN	53.52	105.58	549	0.20	1989	12.8	
<i>Alnus viridis ssp. <i>similata</i> [Sitka alder; aulne de Sitka]</i>										
7971840.0	1979	B MCKENDRICK PASS	BC CAN	54.50	126.45	1190	0.53	1990	87.0	
8071210.0	1980	B CRANBROOK	BC CAN	49.35	117.05	640	0.29	1990	31.0	
8081960.0	1980	B MENDENHALL VALLEY	AK USA	58.24	134.34	15	0.25	1988	4.2	
8081970.0	1980	S SANDPOINT	ID USA	48.22	116.45	1350	0.34	1988	2.8	
8181320.0	1981	B ARCTA	CA USA	40.54	124.05	1500	0.29	1990	20.8	
8370535.0	1983	B GOLDEN	BC CAN	51.30	117.20	41	0.41	1990	50.8	
8370536.0	1983	B VALEMOUNT	BC CAN	52.50	119.15	850	0.29	1990	22.7	
8370886.0	1983	B MT. ARROWSMITH	BC CAN	49.14	124.36	1150	0.52	1989	1.0	
8370887.0	1983	B SPROAT LAKE	BC CAN	49.18	125.04	640	0.52	1989	20.2	
8370889.0	1983	B ROBERTS LAKE	BC CAN	50.13	125.30	366	0.37	1989	26.5	
8370890.0	1983	B PHOENIX	BC CAN	49.05	118.35	1219	0.36	1990	15.5	
8370891.0	1983	B DEASE LAKE	BC CAN	58.45	130.03	869	0.49	1989	88.2	
8370896.0	1983	B GREEN MOUNTAIN	BC CAN	49.03	124.21	1100	0.68	1989	81.0	
8370897.0	1983	B GALENA BAY	BC CAN	50.35	117.52	607	0.38	1989	44.8	
8370898.0	1983	B HOPE SLIDE	BC CAN	49.16	121.15	762	0.51	1989	33.5	

Seed Centre Number	Centre	Coll. Year/ Année de semences	Collection Type de récolte	Provence de récolte	Province provincial	Country Code de pays	Country Code de pays	Elevation/ Altitude (m)	TSW PMS	Year/ Année	% Germ.
<i>Alnus viridis</i> ssp. <i>sinuata</i> [Sitka alder, aulne de Sitka] (continued/suite)											
8370899.0		1983	B	COLD CREEK	BC	CAN	50.49	120.07	1310	0.45	1989
8370900.0		1983	B	VANDERHOOF	BC	CAN	53.56	123.49	1287	0.38	1989
8370901.0		1983	B	ROGERS PASS	BC	CAN	51.19	117.34	1219	0.37	1989
8370902.0		1983	B	ADAMS PLATEAU	BC	CAN	51.06	119.33	1280	0.41	1989
8370903.0		1983	B	CHINA NOSE SUMMIT	BC	CAN	54.27	126.08	1430	0.42	1989
8370904.0		1983	B	STIKINE RIVER	BC	CAN	58.00	130.02	915	0.44	1989
<i>Arbutus menziesii</i> [arbutus; arbousier d'Amérique]											
9070748.0		1990	B	YELLOW POINT	BC	CAN	48.59	123.49		1.31	
<i>Asimina triloba</i> (pawpaw; asimine trilobé)											
9230103.0		1992	B	ST. DAVIDS	ON	CAN	45.31	74.28		639.17	
9230130.0		1992	B	EFFINGHAM	ON	CAN	43.06	79.04		2456.9	
<i>Astrocedrus chilensis</i>											
8690126.0		1986	N/A	MES DE MARZO	ARG	ARG	42.00	71.35	300	4.05	1986
8690127.0		1986	N/A	MES DE MARZO	ARG	ARG	42.00	71.35	300	3.33	1986
8780165.0		1987	N/A	EL BOLSON, RIO NEGRO	ARG	ARG	42.00	71.35	300	4.80	1986
<i>Betula alleghaniensis</i> [yellow birch; bouleau jaune]											
6630530.0		1966	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.56	77.33	200	0.87	1990
6730310.0		1967	S	ALGONQUIN PARK	ON	CAN	46.10	78.30	335	1.11	1990
6730320.0		1967	S	ALGONQUIN PARK	ON	CAN	46.10	78.30	335	1.23	1990
6730340.0		1967	S	PANCAKE RIVER	ON	CAN	47.02	84.38	335	0.83	1988
6730360.0		1967	S	PANCAKE RIVER	ON	CAN	47.02	84.38	335	0.77	1990
6731920.0		1967	N/A	SAULT STE. MARIE	ON	CAN	46.31	84.20		0.90	1990
7030820.0		1970	S	PEMBROKE	ON	CAN	45.49	77.07		1.53	1992
7030850.0		1970	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.25	150	1.09	1990
7030880.0		1970	S	PEMBROKE	ON	CAN	45.49	77.07		1.47	1990
7030900.0		1970	S	ALGONQUIN PARK	ON	CAN	45.45	79.00		0.87	1991
7030910.0		1970	S	ALGONQUIN PARK	ON	CAN	45.45	79.00		0.87	1991
7030920.0		1970	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.15	1990
7030930.0		1970	S	ALGONQUIN PARK	ON	CAN	45.33	78.12		1.04	1991
7030940.0		1970	S	ALGONQUIN PARK	ON	CAN	45.33	78.12		1.54	1990
7030960.0		1970	S	OTTAWA	ON	CAN	45.24	75.33	70	1.38	1991
7130940.0		1971	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.15	1991
7434400.0		1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.12	1989
7434510.0		1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.24	1992
7434520.0		1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.44	1990
7434530.0		1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.31	1990

Seed Centre Number	Centre	Coll. Year	Collection	Province	Country	Elevation/	Test:
Numéro de Centre	Année	Type	Provenance	Code provincial	Code de pays	Altitude (m)	Year/
de semences	de récolte	de récolte				PMS	Année
<i>Betula alleghaniensis</i> [yellow birch; bouleau jaune] (continued/suite)							
7434550.0	1974	S	WHITNEY	ON	CAN	45.25	6.0
7434560.0	1974	S	WHITNEY	ON	CAN	45.25	13.0
7434740.0	1974	S	WHITNEY	ON	CAN	45.25	61.5
7434910.0	1974	S	WHITNEY	ON	CAN	45.25	39.2
7434920.0	1974	S	WHITNEY	ON	CAN	45.25	20.0
7434930.0	1974	N/A	WHITNEY	ON	CAN	45.25	0.1
8500107.0	1985	B	BAY D'ESPOIR	NF	CAN	47.51	40.5
8800428.0	1988	B	BAY D'ESPOIR	NF	CAN	47.57	39.5
8930035.0	1989	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	42.0
8930036.0	1989	S	CORMAC	ON	CAN	45.28	46.8
8930037.0	1989	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	80.0
8930038.0	1989	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	56.8
8930039.0	1989	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	25.2
8930040.0	1989	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	60.2
9130055.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	46.2
9130056.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	53.8
9130057.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	76.8
9130058.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	57.2
9130059.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	66.2
9130060.0	1991	S	CHALK RIVER	ON	CAN	46.03	33.0
9230087.0	1992	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	61.0
9230088.0	1992	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	25.5
9700036.0	1997	S	GANDER	NF	CAN	49.30	1993
<i>Betula cordifolia</i> [mountain paper birch; bouleau à feuilles cordées]							
8881268.0	1988	N/A	MT. KEYBANG	KOR	37.44	128.28	1992
8881269.0	1988	N/A	MT. SOBACK	KOR	36.58	128.29	1992
8881270.0	1988	N/A	MT. SOBACK	KOR	36.58	128.29	14.8
8881272.0	1988	N/A	MT. CHIRI	KOR	35.20	127.41	1992
8881273.0	1988	N/A	MT. CHIRI	KOR	35.20	127.41	21.5
8881274.0	1988	N/A	MT. CHIRI	KOR	35.20	127.41	24.8
<i>Betula davurica</i>							
8881287.0	1988	N/A	MT. MANWOL	KOR	37.57	128.43	4.5
8881288.0	1988	N/A	MT. MANWOL	KOR	37.57	128.43	2.5
8881289.0	1988	N/A	MT. MANWOL	KOR	37.57	128.43	1.5
8881290.0	1988	N/A	MT. MANWOL	KOR	37.57	128.43	6.2
8881292.0	1988	N/A	MT. MANWOL	KOR	37.57	128.43	7.0

Seed Centre Number/ Numéro de Centre de semences	Centre	Coll. Year/ Année de récolte	Collection Type de récolte	Provence	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	% Germ.
<i>Betula danurica</i> (continued/suite)												
8881293.0		1988	N/A	MT. MANWOL	KOR	37.57	128.43	400	0.60	1992	24.0	
8881295.0		1988	N/A	MT. KEYBANG	KOR	37.44	128.28	800	0.73	1992	0.5	
8881297.0		1988	N/A	MT. KEYBANG	KOR	37.44	128.28	800	0.76	1992	25.2	
8881299.0		1988	N/A	MT. BOHYUN	KOR	36.11	128.59	600	0.74	1992	6.0	
<i>Betula kirghisorum caucasus</i>												
8680291.0		1986	N/A	EDINBURGH	GBR	55.57	3.13		0.24	1990	28.5	
9230109.0		1992	B	ST. CATHERINES	ON	CAN	43.10	79.10		0.65	1992	76.2
<i>Betula lenta</i> [cherry birch; bouleau flexible]												
8570219.0		1985	B	ADAMS LAKE	BC	CAN	50.58	119.41		0.49	1990	32.8
<i>Betula occidentalis</i> [water birch; bouleau fontinal]												
7540270.0		1975	S	SANDY LANDS FOR. RESERVE	MB	CAN	49.20	96.18	370	0.25	1993	5.2
7540320.0		1975	B	AGASSIZ FOREST RESERVE	MB	CAN	50.00	96.15	460	0.30	1990	1.0
773190.0		1977	B	WIARTON	ON	CAN	44.47	81.00	180	0.18	1990	0.1
8411503.0		1984	S	ACADIA FOR. EXP. STA.	NB	CAN	46.00	68.18	100	0.25	1991	15.2
8570255.0		1985	B	ADAMS LAKE	BC	CAN	51.26	119.50		0.43	1992	29.5
8700207.0		1987	B	GRAND FALLS HOUSE	NF	CAN	48.50	55.20	90	0.26	1990	23.8
9130035.0		1991	S	ALICE	ON	CAN	45.45	77.08		0.23	1992	31.5
9130036.0		1991	S	JACKS LAKES	ON	CAN	45.42	77.30		0.43	1992	59.0
9130037.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.59	77.26		0.37	1992	35.8
9130038.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.25		0.29	1991	30.5
9130039.0		1991	B	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.27		0.35	1992	66.2
9130040.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.27		0.42	1991	54.5
9130041.0		1991	S	P.N.F.I.	ON	CAN	46.00	77.25		0.28	1992	39.2
9130042.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.28		0.51	1992	86.0
9130043.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		0.34	1992	15.5
9130044.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.27		0.23	1991	22.2
9130045.0		1991	B	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.26		0.25	1992	36.3
9130046.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.27		0.34	1992	63.8
9210356.0		1992	N/A	MERMAID	PE	CAN	46.16	63.02	8	0.29	0.0	0.0
9270349.0		1992	B	CHEAKAMUS RIVER	BC	CAN	50.00	123.10		0.27	1993	46.8
9330029.0		1993	B	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.25		1993	4.8	
9330051.0		1993	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.02	62.38		0.24		
9410133.0		1994	N/A	DOVER	PE	CAN			30	0.39		

Seed Centre Number/ Numéro de Centre	Centre	Coll. Year/ Année de récolte	Collection de semences	Type de récolte	Provenance	Province provincial	Country Code de pays	Elevation/ Altitude (m)	Test: PMS	Year/ Année	% Germ.
<i>Betula pendula</i> [European white birch; bouleau verrueux]											
7683890.0		1976	B	MAHTRA FOREST	EST	59.10	24.46	80	0.22	1990	36.0
7984730.0		1979	S	HANAU 5 SEED ORCHARD	DEU	50.08	8.52	110	0.18	1990	0.5
8181020.0		1981	B	MOGLEVSKAYA OBLAST	BLR	54.00	30.00	0.18	1991	0.5	
8181030.0		1981	B	KARELSKAYA	RUS	65.00	35.00	0.26	1990	10.0	
8181040.0		1981	B	KARELSKAYA	RUS	65.00	35.00	0.20	1990	16.2	
8181050.0		1981	B	KOSTROMSKAYA OBLAST	RUS	57.30	41.00	0.26	1992	6.8	
8181060.0		1981	B	KRONBERG 2 SEED ORCHARD	DEU	50.10	8.31	0.18	1992	0.1	
8280573.0		1982	N/A	USINGEN 3 SEED ORCHARD	DEU	50.17	8.36	180	0.20	1991	95.2
8280574.0		1982	S	RHINELAND PALATINATE	DEU	50.51	7.00	420	0.18	1991	60.0
8280575.0		1982	N/A	GRODZISK	POL	52.12	16.21	200	0.27	1990	44.5
8280576.0		1982	N/A	KRONBERG 1 SEED ORCHARD	DEU	50.10	8.31	90	0.20	1991	55.2
8280577.0		1982	S	LOCH RANNOCH	GBR	56.40	4.35	200	0.14	1991	87.2
8480036.0		1984	S	CARRNDOW, ARGYLL	GBR	56.16	4.55	240	0.25	1991	0.1
8580183.0		1985	S	BLAIR ATHOLL	GBR	56.46	3.51	61.15	0.16	1990	3.8
8880275.0		1988	S	INGATORP DISTRICT	SWE	57.38	15.27	240	0.17	1989	0.8
8981103.0		1989	B	VAIKEAKOSKI	FIN	61.15	24.00	0.17	1992	78.2	
9380056.0		1993	B	PIELAVESI	FIN	63.10	26.50	0.00	1997	91.0	
9380057.0		1993	B					0.00	1997	71.5	
<i>Betula pendula</i> var. <i>carelica</i>											
9280354.0		1992	B	SOUTHERN FINLAND	FIN			0.00	1997	50.4	
<i>Betula platyphylla</i>											
8380665.0		1983	N/A	PAO-CHI, SHAANXI PROV.	CHN	35.00	107.00	1500	0.16	1991	13.2
8480987.0		1984	N/A	HEILONGJIANG PROVINCE	CHN	47.00	127.00	0.30	0.30	1989	43.5
<i>Betula platyphylla sukatchev</i> var. <i>japonica hara</i>											
8881250.0		1988	N/A	MT. MANWOL	KOR	37.57	128.43	400	0.15	1992	0.5
8881251.0		1988	N/A	MT. ODAE	KOR	37.48	128.33	500	0.13	1992	1.2
8881252.0		1988	N/A	DAEKWANRYNG	KOR	37.42	128.45	800	0.12	1992	0.1
8881253.0		1988	N/A	MT. KEYBANG	KOR	37.44	128.28	500	0.18	1992	2.0
8881259.0		1988	N/A	MT. JUHL	KOR	36.47	128.05	400	0.14	1992	29.5
8881260.0		1988	N/A	ICHEON	KOR	37.16	127.27	200	0.24	1992	5.5
8881261.0		1988	N/A	ANSAN	KOR	37.19	126.48	30	0.14	1992	50
<i>Betula populifolia</i> [grey birch; bouleau gris]											
9215441.0		1992	B	TOMAHAWK LAKE	NS	CAN	44.46	63.48	91	0.00	
9215445.0		1992	B	TOMAHAWK LAKE	NS	CAN	44.46	63.48	91	0.00	
9710016.0		1997	B	AFTON ROAD	PE	CAN	46.23	62.56	25	0.09	
9710023.0		1997	B	COATES MILLS	NB	CAN	46.23	64.51	50	0.11	

Seed Centre Number	Centre	Coll.	Year/	Collection	Type	Année	de récolte	de récolte	Provenance	Province	Country	Elevation/	Altitude	TSW	Test:
N° de Centre										Code provincial	Code de pays	(m)	PMS	Year/ Année	% Germ.
<i>Betula pubescens</i> [downey birch]															
7683900.0		1976	B	TARTU						EST	58.22	26.46	70	0.20	1993
7984740.0		1979	S	DANNENDORF 5 SEED ORCHARD						DEU	52.31	10.56	60	0.29	1990
7984750.0		1979	S	DANNENDORF 7 SEED ORCHARD						DEU	52.31	10.56	60	0.31	1990
7984760.0		1979	S	DANNENDORF 12 SEED ORCHARD						DEU	52.31	10.56	60	0.27	1990
7984770.0		1979	S	DANNENDORF 17 SEED ORCHARD						DEU	52.31	10.56	60	0.23	1990
7984780.0		1979	S	DANNENDORF 18 SEED ORCHARD						DEU	52.31	10.56	60	0.33	1990
8981099.0		1989	S	BLAIR ATHOLL						GBR				0.16	1992
9380058.0		1993	B	HYVINKAA						FIN	60.40	24.50		0.00	1997
9380059.0		1993	B	SILINJARO						FIN	63.05	27.45		0.00	1997
<i>Betula raddeana caucasus</i>															
8680292.0		1986	N/A	EDINBURGH						GBR	55.57	3.13		0.29	1990
<i>Betula schmidtii</i>															
8881275.0		1988	N/A	MT. CHEUMBONG						KOR	38.04	128.29	600	0.40	1992
8881276.0		1988	N/A	MT. MANWOL						KOR	37.57	128.43	500	0.58	1992
8881278.0		1988	N/A	MT. MANWOL						KOR	37.57	128.43	500	0.38	1992
8881279.0		1988	N/A	MT. ODAE						KOR	37.48	128.33	500	0.41	1992
8881280.0		1988	N/A	MT. ILWOL						KOR	36.49	129.07	600	0.28	1992
8881284.0		1988	N/A	MT. CHRI						KOR	35.20	127.41	600	0.31	1992
8881285.0		1985	N/A	MT. JUHL						KOR	36.47	128.05	700	0.34	1992
8881286.0		1988	N/A	MT. JUHL						KOR	36.47	128.05	700	0.35	1992
<i>Betula verrucosa</i> [European white birch; bouleau verruoso]															
1180023.0			N/A							FRA				0.12	1988
<i>Caragana arborescens</i> [Siberian pea-tree; caragana arborescent]															
8730176.0		1987	B	PETAWAWA NAT. FOR. INST.						ON	CAN			23.27	1997
8751126.0		1987	B							SK	CAN			24.96	1997
<i>Carpinus caroliniana</i> [blue-beech; charme de Caroline]															
8431611.0		1984	S	TRENTON						ON	CAN	44.07	77.36	90	16.48
9230061.0		1992	B	FORESTERS FALLS						ON	CAN	45.41	76.47		15.43
9230352.0		1992	B	EFFINGHAM						ON	CAN	43.03	79.16		24.17
<i>Carya cordiformis</i> [bitternut hickory; caryer cordiforme]															
903003.0		1990	B	FORESTERS FALLS						ON	CAN	45.41	76.43	90	2416.8
<i>Carya glabra</i> var. <i>odorata</i> [red hickory; caryer glabre]															
8430070.0		1984	B	FONTHILL						ON	CAN	43.03	79.19	246	2507.7
8550081.0		1985	S	FONTHILL						ON	CAN	43.05	79.15		2354.5
															1997
															40.0

Seed Centre Number	Centre	Coll. Year/ Année de récolte	Collection Type de récolte	Provence de récolte	Province provincial	Country Code de pays	Country Code de pays	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
9230128.0		1992	S	NIAGARA FALLS	ON	CAN	43.06	79.04			1553.0
<i>Carya ovata</i> [shagbark hickory; carver oval]					ON	CAN					
7437510.0		1974	N/A	WALSINGHAM	ON	CAN					0.00
8430066.0		1984	B	FONTHILL	ON	CAN	42.59	79.22	175		2843.7
<i>Chacaya trinervis</i>											
8780168.0		1987	N/A	EL BOLSON, RIO NEGRO		ARG	41.50	71.34	450		2.37
<i>Chamaecyparis lawsoniana</i> [Lawson-cypress; chamaecyparis de Lawson]						FRA					
1180016.0			N/A								2.78
<i>Chamaecyparis nootkatensis</i> [yellow-cedar; chamaecyparis jaune]											1992
8570216.0		1985	N/A	NANAIMO RIVER TATORUS	BC	CAN					51.5
8570217.0		1985	N/A	SPARTON LAKE	BC	CAN					
<i>Cornus florida</i> [Eastern flowering dogwood; cornouiller fleuri]											
9230065.0		1992	B	EFFINGHAM	ON	CAN	43.03	79.16			
9230115.0		1992	B	WALSINGHAM	ON	CAN	42.41	80.32			87.31
9230116.0		1992	B	PETAWAWA NAT. FOR. INST.	ON	CAN	45.59	77.25			43.02
<i>Cornus nuttallii</i> [Western flowering dogwood; cornouiller de Nuttall]						BC	CAN				
9270344.0		1992	B	PEMBERTON							81.11
<i>Cornus stolonifera</i> [red osier dogwood; cornouiller stolonifère]											
9270345.0		1992	B	CEDAR	BC	CAN					
<i>Crataegus douglasii</i> [black hawthorn; aubépine noire]											
8461732.0		1984	N/A	LITTLE BOW		AB	CAN				
<i>Crataegus monogyna</i> [common hawthorn; aubépine monogyne]											
8981104.0		1989	B	TORPA DISTRICT		SWE					
9610017.0		1996	B	CAVENDISH NATIONAL PARK	PE	CAN	58.00 46.30	15.07 63.24	160 8		75.58 0.00
<i>Fagus grandifolia</i> [American beech; hêtre à grandes feuilles]											
8730177.0		1987	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.27	180		151.65
8830126.0		1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26			201.00
8830127.0		1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.26			105.14
8830129.0		1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.32			184.42
8830130.0		1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.32			201.88

Seed Centre Number	Centre	Coll. Year	Collection Type	Province	Country	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
Numéro de Centre de semences		Année de récolte	de récolte	Code provincial	Code de pays	Latitude	Longitude		
<i>Fagus grandifolia</i> [American beech; hêtre à grandes feuilles] (continued/suite)									
9230051.0		1992	S	PETAWAWA NAT. FOR. INST.	ON	46.00	77.25	137.18	
9230052.0		1992	S	PETAWAWA NAT. FOR. INST.	ON	46.00	77.25	105.21	
9230053.0		1992	S	PETAWAWA NAT. FOR. INST.	ON	46.00	77.25	174.55	
9230054.0		1992	S	PETAWAWA NAT. FOR. INST.	ON	46.00	77.25	153.08	
9230055.0		1992	B	PETAWAWA NAT. FOR. INST.	ON	45.58	77.30	179.06	
9230056.0		1992	S	PETAWAWA NAT. FOR. INST.	ON	45.58	77.30	158.70	
9230057.0		1992	S	PETAWAWA NAT. FOR. INST.	ON	46.00	77.25	248.42	
9230058.0		1992	B	PETAWAWA NAT. FOR. INST.	ON	45.58	77.30	166.48	
9610010.0		1996	S	BON ACCORD	NB	46.40	67.35	370	198.05
								1997	11.0
<i>Fagus sylvatica</i> [European beech; hêtre commun]									
8980095.0		1989	B	EKSØ DISTRICT	SWE	57.41	15.00	250	183.81
8780166.0		1987	N/A	EL BOLSON, RIO NEGRO	ARG	41.58	71.35	280	0.90
<i>Fraxinus americana</i> [white ash; frêne blanc]									
5630560.0		1956	N/A	PETAWAWA NAT. FOR. INST.	ON	45.59	77.26	180	0.00
7433330.0		1974	S	CHENAUX	ON	45.35	76.41	90	54.30
7433350.0		1974	S	CHENAUX	ON	45.35	76.41	90	83.10
7433370.0		1974	S	CHENAUX	ON	45.35	76.41	90	54.50
7725390.0		1977	S	ROUGE RIVIERE	QC	45.51	74.36	180	0.00
7732550.0		1977	S	ROSS TOWNSHIP	ON	45.35	76.41	110	0.00
7732680.0		1977	N/A	RAMSAY TOWNSHIP	ON	45.10	76.17	150	0.00
7732710.0		1977	S	CARP RIDGE	ON	45.22	76.02	120	59.96
7732750.0		1977	S	CORNWALL TOWNSHIP	ON	45.09	74.51	90	54.84
7732800.0		1977	S	KILBEAR PROV. PARK	ON	45.21	80.12	180	59.04
7732860.0		1977	S	HARVEY TOWNSHIP	ON	44.40	78.21	300	0.00
7732890.0		1977	S	RONDEAU PROV. PARK	ON	42.18	81.51	170	45.58
7733110.0		1977	S	WINDHAM TOWNSHIP	ON	42.56	80.26	230	0.00
7733120.0		1977	S	WINDHAM TOWNSHIP	ON	42.53	80.22	230	0.00
7733130.0		1977	S	WOODHOUSE TOWNSHIP	ON	42.49	80.16	200	0.00
7733160.0		1977	S	NIAGARA-ON-THE-LAKE	ON	43.16	79.04	75	55.04
7733170.0		1977	S	NIAGARA-ON-THE-LAKE	ON	43.16	79.04	75	43.58
7733180.0		1977	S	NIAGARA-ON-THE-LAKE	ON	43.16	79.04	75	57.23
7733200.0		1977	S	NIAGARA-ON-THE-LAKE	ON	43.16	79.04	75	0.00
7733220.0		1977	S	FORT ERIE	ON	42.50	78.50	170	62.51
7733230.0		1977	S	BEVERLY TOWNSHIP	ON	43.20	80.05	275	69.30
7733260.0		1977	S	BLEINHEIM TOWNSHIP	ON	43.18	80.35	300	0.00
7733290.0		1977	S	TURNBERRY TOWNSHIP	ON	43.55	81.19	300	0.00

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provenance	Province provincial	Country Code	Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
Fraxinus americana [white ash; frêne blanc] (continued/suite)												
7733300.0	1977	S	TURNBERRY TOWNSHIP	ON	CAN	43.55	81.19	300	53.12	1984	52.0	
7733330.0	1977	S	TURNBERRY TOWNSHIP	ON	CAN	43.55	81.19	300	57.26	1984	61.3	
7733350.0	1977	S	TURNBERRY TOWNSHIP	ON	CAN	43.55	81.19	300	0.00			
7733360.0	1977	S	DUNGANNON	ON	CAN	43.52	81.35	244	53.14	1984	28.0	
7733380.0	1977	S	DUNGANNON	ON	CAN	43.52	81.35	244	57.99	1984	54.7	
7733390.0	1977	S	BENMILLER	ON	CAN	43.36	81.37	244	0.00			
7733400.0	1977	S	BENMILLER	ON	CAN	43.34	81.36	244	62.32	1984	17.3	
7733420.0	1977	S	TARA	ON	CAN	44.26	81.12	244	45.48	1984	62.7	
7733430.0	1977	S	TARA	ON	CAN	44.26	81.12	244	51.11	1984	46.7	
7733450.0	1977	S	TARA	ON	CAN	44.26	81.12	244	49.54	1984	37.3	
7733510.0	1977	S	BOGNOR	ON	CAN	44.31	80.45	244	44.29			
7733570.0	1977	S	BLUEWATER BEACH	ON	CAN	44.37	79.58	213	43.37			
7733580.0	1977	S	BLUEWATER BEACH	ON	CAN	44.37	79.58	213	0.00			
7733590.0	1977	S	BLUEWATER BEACH	ON	CAN	44.37	79.58	213	52.86	1984	18.7	
7733600.0	1977	S	TERRA NOVA	ON	CAN	44.14	80.03	274	0.00			
7733630.0	1977	S	TERRA NOVA	ON	CAN	44.14	80.03	274	0.00			
7733650.0	1977	S	TERRA NOVA	ON	CAN	44.14	80.03	274	0.00			
7733670.0	1977	S	STOUFFVILLE	ON	CAN	44.03	79.16	335	0.00			
7733680.0	1977	S	STOUFFVILLE	ON	CAN	43.59	79.15	305	0.00			
7733690.0	1977	S	STOUFFVILLE	ON	CAN	43.58	78.55	213	0.00			
7733700.0	1977	S	STOUFFVILLE	ON	CAN	44.01	79.09	305	0.00			
7733720.0	1977	S	STOUFFVILLE	ON	CAN	44.01	79.09	305	0.00			
7733730.0	1977	S	SIBBALT	ON	CAN	44.17	79.22	213	0.00			
7733760.0	1977	S	SIBBALT	ON	CAN	44.17	79.14	213	0.00			
7733770.0	1977	S	SIBBALT	ON	CAN	44.17	79.14	213	47.20	1984	32.0	
7733780.0	1977	S	ELIZABETHVILLE	ON	CAN	44.03	78.28	213	0.00			
7733790.0	1977	S	ELIZABETHVILLE	ON	CAN	44.03	78.28	213	0.00			
7733800.0	1977	S	ELIZABETHVILLE	ON	CAN	44.03	78.28	213	0.00			
7733820.0	1977	S	RICE LAKE	ON	CAN	44.01	78.26	152	0.00			
7733830.0	1977	S	RICE LAKE	ON	CAN	44.00	78.25	213	0.00			
7733840.0	1977	S	RICE LAKE	ON	CAN	43.59	78.21	91	0.00			
7733850.0	1977	S	RICE LAKE	ON	CAN	44.15	78.06	213	0.00			
7733860.0	1977	S	RICE LAKE	ON	CAN	44.15	78.06	213	0.00			
7733870.0	1977	S	RICE LAKE	ON	CAN	44.15	78.06	213	0.00			
7733880.0	1977	S	RICE LAKE	ON	CAN	44.15	78.05	213	0.00			
7733890.0	1977	S	CUMBERLAND	ON	CAN	45.31	75.23	30	0.00			
7735960.0	1977	B	CORNWALL TOWNSHIP	ON	CAN	45.09	74.51	90	0.00			
913013.0	1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.27	45.13				

Seed Centre Number/ Numéro de Centre	Centre	Coll. Year/ Année	Collection Type	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Fraxinus americana</i> [white ash; frêne blanc] (continued/suite)									
9130014.0		1991	S	ON	CAN	45.35	77.04	41.53	
9130015.0		1991	S	ON	CAN	45.29	77.26	42.22	
9130016.0		1991	S	ON	CAN	46.03	77.22	58.25	
9130017.0		1991	S	ON	CAN	45.29	77.26	37.99	
9130018.0		1991	S	ON	CAN	46.00	77.27	48.32	
9130019.0		1991	S	ON	CAN	46.00	77.27	57.34	
9130020.0		1991	S	ON	CAN	46.00	77.27	40.92	
9130021.0		1991	S	ON	CAN	45.35	77.04	52.36	
9130022.0		1991	S	ON	CAN	46.03	77.22	59.74	
9130062.0		1991	B	ON	CAN	43.00	79.28	180	22.14
9710027.0		1997	N/A	PE	CAN	46.09	62.57	15	32.05
9710028.0		1997	N/A	PE	CAN	46.24	62.59	15	29.98
<i>Fraxinus chinensis</i> [Chinese ash]									
8380668.0		1983	N/A	CHN	40.00	116.00	42	30.16	1985
8880707.0		1988	B	SWE	57.45	15.25	230	74.40	71.5
<i>Fraxinus excelsior</i> [European ash; frêne commun]									
			SVINHULT DISTRICT						
5630570.0		1956	S	ON	CAN	46.00	77.27	150	69.64
5930660.0		1959	N/A	ON	CAN	45.56	77.33	180	83.26
8830125.0		1988	B	ON	CAN	45.10	77.30	61.74	1984
9130028.0		1991	S	ON	CAN	46.00	77.26	67.94	0.1
9130029.0		1991	S	ON	CAN	46.00	77.27	69.60	
9130030.0		1991	S	ON	CAN	46.02	77.30	67.00	
9130031.0		1991	S	ON	CAN	46.00	77.27	64.19	
9130032.0		1991	B	ON	CAN	46.00	77.26	55.92	
9130033.0		1991	B	ON	CAN	46.00	77.26	62.83	
9380177.0		1993	B	IA	USA	42.00	93.00		77.0
<i>Fraxinus nigra</i> [black ash; frêne noir]									
5630570.0		1956	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.27	1984
5930660.0		1959	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	45.56	77.33	83.26
8830125.0		1988	B	CARBOU CREEK	ON	CAN	45.10	77.30	61.74
9130028.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	67.94
9130029.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.27	69.60
9130030.0		1991	S	CHALK RIVER	ON	CAN	46.02	77.30	67.00
9130031.0		1991	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.27	64.19
9130032.0		1991	B	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	55.92
9130033.0		1991	B	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	
9380177.0		1993	B	IOWA	IA	USA	42.00	93.00	
<i>Fraxinus pennsylvanica</i> [red ash; frêne rouge]									
7733970.0		1977	S	OSGOODE TOWNSHIP	ON	CAN	45.13	75.34	90
7733990.0		1977	S	OSGOODE TOWNSHIP	ON	CAN	45.13	75.34	47.26
7734000.0		1977	S	OSGOODE TOWNSHIP	ON	CAN	45.13	75.34	42.87
7734010.0		1977	S	OSGOODE TOWNSHIP	ON	CAN	45.13	75.34	47.32
7734020.0		1977	S	DRUMMOND TOWNSHIP	ON	CAN	44.58	76.20	150
7734040.0		1977	S	DRUMMOND TOWNSHIP	ON	CAN	44.58	76.20	150
7734050.0		1977	S	DRUMMOND TOWNSHIP	ON	CAN	44.58	76.20	150
7734070.0		1977	S	ROXBOROUGH TOWNSHIP	ON	CAN	45.12	74.55	90

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année de récolte de semences	Collection Type de récolte	Province	Country Code provincial	Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Fraxinus pennsylvanica</i> [red ash; frêne rouge] (continued/suite)											
7734080.0	1977	S	ON	CAN	45.12	74.55	90	31.93	1986	29.0	
7734090.0	1977	S	ON	CAN	45.12	74.55	90	50.02	1984	49.0	
7734150.0	1977	S	ON	CAN	44.50	75.11	80	37.52	1984	32.0	
7734160.0	1977	S	ON	CAN	44.50	75.11	80	40.31	1984	43.0	
7734210.0	1977	S	ON	CAN	44.52	75.40	90	33.98	1986	53.0	
7734230.0	1977	S	ON	CAN	44.37	76.03	90	37.70	1984	55.0	
7734240.0	1977	S	ON	CAN	44.37	76.03	90	39.85	1986	16.5	
7734270.0	1977	S	ON	CAN	44.10	76.48	80	35.92	1984	70.0	
7734280.0	1977	S	ON	CAN	44.10	76.48	80	27.70	1984	57.5	
7734290.0	1977	S	ON	CAN	44.10	76.48	80	44.12	1984	53.0	
7734310.0	1977	S	ON	CAN	44.10	76.48	80	30.38	1984	70.0	
7734400.0	1977	S	ON	CAN	44.34	77.16	150	25.73	1984	57.0	
7734410.0	1977	S	ON	CAN	44.34	77.16	150	27.58	1984	29.3	
7734420.0	1977	S	ON	CAN	45.21	80.12	180	41.29	1986	30.5	
7734430.0	1977	S	ON	CAN	45.21	80.12	180	38.27	1986	18.0	
7734440.0	1977	S	ON	CAN	45.21	80.12	180	41.10	1986	33.5	
7734470.0	1977	S	ON	CAN	42.07	81.51	180	35.14	1984	63.0	
7734480.0	1977	S	ON	CAN	42.07	81.51	180	24.53	1984	30.0	
7734490.0	1977	S	ON	CAN	42.07	81.51	180	50.94	1984	46.5	
7734520.0	1977	S	ON	CAN	42.56	81.57	210	29.76	1986	47.3	
7734530.0	1977	S	ON	CAN	42.56	81.57	210	28.12	1986	11.0	
7734560.0	1977	S	ON	CAN	42.56	81.57	210	35.67	1986	39.5	
7734580.0	1977	S	ON	CAN	42.19	81.57	180	38.92	1984	54.0	
7734600.0	1977	S	ON	CAN	42.41	80.49	210	51.68	1985	23.0	
7734620.0	1977	S	ON	CAN	42.41	80.49	210	37.93	1986	26.5	
7734660.0	1977	S	ON	CAN	42.59	80.33	213	39.68	1984	45.4	
7734730.0	1977	S	ON	CAN	42.51	80.10	213	39.08	1984	58.7	
7734750.0	1977	S	ON	CAN	43.14	79.10	76	53.55	1986	53.5	
7734780.0	1977	S	ON	CAN	43.14	79.10	76	38.13	1986	21.0	
7734790.0	1977	S	ON	CAN	43.14	79.10	76	34.08	1984	44.0	
7734830.0	1977	S	ON	CAN	42.56	79.23	244	36.71	1984	48.0	
7734880.0	1977	S	ON	CAN	43.20	80.05	244	26.07	1984	63.0	
7734890.0	1977	S	ON	CAN	43.20	80.05	244	27.60	1984	35.0	
7734910.0	1977	S	ON	CAN	43.17	80.34	274	37.30	1986	26.0	
7735010.0	1977	S	ON	CAN	44.31	80.47	244	47.36	1986	24.5	
7735020.0	1977	S	ON	CAN	44.31	80.47	244	31.40	1986	24.0	
7735030.0	1977	S	ON	CAN	44.35	80.31	183	33.45	1986	16.0	
7735040.0	1977	S	ON	CAN	44.35	80.31	183	36.19	1986	58.5	
7735050.0	1977	S	ON	CAN	44.35	80.31	183	34.62	1986	24.0	
7735060.0	1977	S	ON	CAN	44.35	80.31	183	36.12	1984	62.0	

Seed Centre Number	Centre	Coll. Year	Collection Type	Province	Country	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
Número de Centre de semences		Année de récolte	Type de récolte	Provence	Code provincial de pays	Latitude	Longitude		
<i>Fraxinus pennsylvanica</i> [red ash; frêne rouge] (continued/suite)									
7735070.0		1977	S	MEAFORD	ON	44.35	80.31	183	33.02
7735100.0		1977	S	COLDWATER	ON	44.43	79.37	183	20.38
7735110.0		1977	S	COLDWATER	ON	44.43	79.37	183	57.52
7735140.0		1977	S	TINY MARSH	ON	44.36	79.56	213	21.10
7735170.0		1977	S	TINY MARSH	ON	44.36	79.56	213	34.88
7735190.0		1977	S	STOUFFVILLE	ON	43.57	79.14	213	41.45
7735200.0		1977	S	STOUFFVILLE	ON	43.57	79.14	213	36.28
7735220.0		1977	S	GAMEBRIDGE	ON	44.31	79.10	213	30.38
7735230.0		1977	S	GAMEBRIDGE	ON	44.31	79.10	213	31.41
7735280.0		1977	S	CANTON	ON	43.59	78.21	152	33.19
7736000.0		1977	S	CUMBERLAND	ON	45.31	75.25	91	38.78
7736010.0		1977	S	CUMBERLAND	ON	45.31	75.25	91	35.74
7736030.0		1977	S	CUMBERLAND	ON	45.31	75.25	91	23.94
7736040.0		1977	S	CUMBERLAND	ON	45.31	75.25	91	29.59
7739262.0		1977	B	OXFORD TOWNSHIP	ON	44.52	75.40	90	34.52
7739263.0		1977	B	WINGHAM	ON	43.55	81.23	305	35.66
7739264.0		1977	B	TINY MARSH	ON	44.36	79.56	213	35.96
8330071.0		1983	S	THOROLD	ON	43.07	79.22	44.32	46.5
9130023.0		1991	S	PETAWAWA POINT	ON	45.55	77.15	39.44	51.0
9130026.0		1991	S	CORMAC	ON	45.28	77.27	50.46	
9130027.0		1991	S	LAKE DORE	ON	45.36	77.04	50.37	
<i>Fraxinus pennsylvanica</i> var. <i>austini</i> [Northern red ash; frêne d'Austin]									
9610004.0		1996	B	GRAND LAKE	NB	45.48	66.04	7	0.00
9710026.0		1997	B	SILVERWOOD	NB	45.58	44.45	30	46.59
<i>Gleditsia triacanthos</i> [honey-locust; févier épineux]									
9230136.0		1992	S	NIAGARA FALLS	ON	43.06	79.04	144.05	
9230137.0		1992	S	NIAGARA FALLS	ON	43.06	79.04	181.54	
<i>Hamamelis virginiana</i> [witch-hazel; hamamelis de Virginie]									
9230108.0		1992	B	LANGTON	ON	42.41	80.32	39.63	
9610020.0		1996	B	GRAND LAKE	NB	45.48	66.04	7	0.00
<i>Hippophae rhamnoides</i> [sea buckthorn; argousier faux-merprun]									
9180089.0		1991	B	VALEA PUTNEI O.S. NARUJA	ROM	45.51	26.47	75	8.91
<i>Ilex verticillata</i> [common winterberry; houx verticillé]									
9710035.0		1997	B	TRACY	NB	45.43	66.39	80	4.75

Seed Centre Number/	Coll. Year/	Collection	Province	Country	Elevation/	Test:
Numéro de Centre	Année	Type	Code provincial	Code	Altitude	Year/
de semences	de récolte	de récolte	Provenance	de pays	(m)	PMS
<i>Juglans nigra</i> [black walnut; noyer noir]						
9730004.0	1997	S	PICKERING	ON	43.50	977.8
<i>Juniperus communis</i> [common juniper; genévrier commun]						
8930637.0	1989	S	CHALK RIVER	ON	46.03	11.18
9130086.0	1991	S	CHALK RIVER	ON	46.03	13.94
9130087.0	1991	S	CHALK RIVER	ON	46.03	15.85
<i>Juniperus procera hochst. ex. endl.</i>						
9080235.0	1990	B	NYERI	KEN	0.25	39.01
<i>Juniperus scopulorum</i> [Rocky Mountain juniper; genévrier des Rocheuses]						
9270347.0	1992	B	LILLOOET	BC	50.41	9.21
<i>Juniperus virginiana</i> [Eastern redcedar; genévrier de Virginie]						
8430084.0	1984	S	TRENTON	ON	44.08	75
8431612.0	1984	S	BELLEVILLE	ON	44.10	77.25
8431613.0	1984	S	BELLEVILLE	ON	44.11	77.22
8431614.0	1984	S	BELLEVILLE	ON	44.10	77.25
9230119.0	1992	B	PORT COLBORNE	ON	42.54	9.66
<i>Keteleeria chien-peii flous</i>						
7887020.0	1978	N/A	CHING-YEN, GUZHOU PROV.	CHN	29.45	104.04
<i>Koelreuteria formosana</i>						
1180050.0	N/A	N/A	LIENHWACHIH	CHN	600	53.33
1180051.0	N/A	N/A	NANTOU	CHN	600	55.98
<i>Koelreuteria paniculata</i> [golden rain tree]						
8330021.0	1983	S	VINELAND	ON	43.09	79.23
<i>Larix decidua</i> [European larch; mélèze d'Europe]						
7485230.0	1974	B	FARUM, RAVNSHOLT	DNK	55.49	12.23
7485240.0	1974	B	JAGERSBORG	DNK	55.45	12.30
7485280.0	1974	N/A	EUROP. BUNDESSIR.	DEU	50.15	16.30
7789170.0	1977	B	MIEDZYLESIE FOR. INSP.	POL	50.00	16.18
7983980.0	1979	B	CHOCEN	CZE	50.00	16.54
7983990.0	1979	B	RUDA	CZE	49.60	16.50
8389650.0	1983	N/A	RAJEC, LETOVICE	CZE	45.19	75.38
85530192.0	1985	B	OTTAWA	ON	45.19	100
8580206.0	1985	B	TYN N. BEC., FRENSTAT	CZE	49.32	17.37

Seed Centre Number	Coll. Year/ Année de semences	Collection Type de récolte	Collection Type de récolte	Province provincial de pays	Country Code	Country Code	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
<i>Larix decidua</i> [European larch; mélèze d'Europe] (continued/suite)										
8580207.0	1985	B	BRNICKO, ZABREH	CZE	49.54	17.00	420	5.06	1992	80.0
8580208.0	1985	B	ALBRECHTICE	CZE	50.10	17.33	600	6.34	1992	50.0
9230435.0	1992	B	FENWICK	ON	CAN			5.21	1993	19.5
<i>Larix decidua var. sudetica</i> [European larch; mélèze d'Europe]										
1180012.0	N/A	LITOVEL, USOV	CZE	49.40	17.03	340	5.18	1989	2.2	
<i>Larix eurolepis</i> [Dunkeld larch]										
1180024.0	1972	B	NORDHORN-KLAUSHEIDE	DEU	52.25	7.05	50	6.90	1989	31.8
7285630.0	1974	CP	HOLBAEK	DNK	56.33	10.19		3.50	1993	4.0
7485250.0	1974	B	JAP. BRAAK	DEU				4.97	1988	36.5
7485320.0	1974	B	KLOSTERHEDEN	DNK	56.30	8.20		7.72	1988	5.5
7687920.0	1976	B	CATEGORY 3	DEU				5.93	1990	16.2
<i>Larix gmelini</i> [Dahurian larch; mélèze de Daurie]										
7195590.0	1971	B	HEILONGJIANG PROVINCE	CHN	47.00	127.00		4.28	1992	69.0
8380678.0	1983	N/A	HU-LUN-PEI-ERH	CHN	50.00	124.00	200	4.64	1989	84.5
8481647.0	1984	N/A	AMUR, HEILONGJIANG PROV.	CHN	52.45	123.12		4.32	1992	27.5
<i>Larix kaempferi</i> [Japanese larch; mélèze du Japon]										
1180011.0	N/A	SOSTRUP, F40D	DNK					5.16	1990	68.0
7487517.0	1974	N/A	NAGANO PREFECTURE	JPN	35.52	137.32	1650	3.98	1989	20.5
7487518.0	1974	N/A	GUNMA PREFECTURE	JPN	36.27	138.23	1800	3.57	1989	34.2
8530182.0	1985	B	BURRITTS RAPIDS	ON	CAN	44.59	75.49	107	4.63	1990
<i>Larix laricina</i> [tamarack; mélèze laricin]										
7031510.0	1970	S	BISSETT CREEK	ON	CAN	46.13	78.01	171	2.47	1988
7031540.0	1970	S	BISSETT CREEK	ON	CAN	46.13	78.01	171	2.91	1988
7031560.0	1970	S	SUPPLE LAKE	ON	CAN	45.49	77.18	187	2.36	1988
7031570.0	1970	S	SUPPLE LAKE	ON	CAN	45.49	77.18	187	2.22	1988
7031580.0	1970	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25	168	1.99	1988
7031610.0	1970	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25	168	2.54	1988
7031620.0	1970	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25	168	2.46	1988
7031630.0	1970	S	SUPPLE LAKE	ON	CAN	45.49	77.18	187	1.74	1988
7831590.0	1978	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24	160	1.80	1990
7930170.0	1979	S	BOBCAYGEON ROAD	ON	CAN	45.00	78.46	480	2.03	1989
7930280.0	1979	B	CORNWALL DIST. (60-6200)	ON	CAN	45.12	75.04	80	2.15	1989
7930290.0	1979	B	ROBERTSON LAKE	ON	CAN	45.12	76.36	275	2.66	1989
7930310.0	1979	B	CARLSBAD SPRINGS	ON	CAN	45.22	75.28	2.30	1990	79.5
7930320.0	1979	B	GLOUCESTER TOWNSHIP	ON	CAN	45.22	75.30	2.30	1990	84.2

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	Test: TSW Year/ Année	% Germ.
<i>Larix laricina</i> [tamarrack; mélèze laricin] (continued/suite)							
7931590.0	1979	S	ON	CAN	49.25	91.40	450
8233200.0	1982	S	ON	CAN	45.08	76.09	2.30
8310005.0	1983	B	NS	CAN	45.34	61.38	2.27
8310006.0	1983	B	NS	CAN	45.26	62.53	2.33
8310007.0	1983	B	NS	CAN	46.10	61.15	30
8310008.0	1983	B	NS	CAN	46.01	61.31	61
8310009.0	1983	B	NS	CAN	46.00	61.10	30
8411443.0	1984	B	NS	CAN	44.08	65.56	60
8411448.0	1984	B	NS	CAN	45.54	61.28	110
8411490.0	1984	B	NB	CAN	47.53	67.41	80
8510019.0	1985	B	NS	CAN	45.40	61.15	30
8810046.0	1988	B	NS	CAN	45.00	63.28	60
8810047.0	1988	B	NS	CAN	43.54	65.51	30
8810048.0	1988	B	NS	CAN	43.55	66.05	30
8811354.0	1988	B	PE	CAN	46.41	64.03	15
8820310.0	1988	B	QC	CAN	48.53	72.27	2.62
8930635.0	1989	S	ON	CAN	45.59	77.27	1.78
8930636.0	1989	S	ON	CAN	45.58	77.27	2.22
9060057.0	1990	B	AB	CAN	57.14	111.60	1500
9110006.0	1991	B	NS	CAN	45.35	61.55	40
9110007.0	1991	B	NS	CAN	44.45	65.30	45
9110008.0	1991	B	NS	CAN	46.00	61.31	60
9110009.0	1991	B	NS	CAN	45.53	62.58	80
9230436.0	1992	S	ON	CAN	45.59	77.28	1.78
9230437.0	1992	S	ON	CAN	45.59	77.26	2.02
9230438.0	1992	S	ON	CAN	45.58	77.26	1.67
9230439.0	1992	S	ON	CAN	46.03	77.31	2.49
9230440.0	1992	S	ON	CAN	45.26	77.19	2.08
9230441.0	1992	S	ON	CAN	45.49	77.10	1.32
9230442.0	1992	S	ON	CAN	46.13	78.04	1.58
9230443.0	1992	N/A	ON	CAN	46.03	77.31	1.66
9230444.0	1992	S	ON	CAN	45.26	77.19	2.25
9230445.0	1992	S	ON	CAN	45.49	77.10	1.51
9230446.0	1992	S	ON	CAN	46.03	77.31	1.90
9230447.0	1992	S	ON	CAN	45.58	77.26	1.93
9230448.0	1992	S	ON	CAN	45.59	77.26	1.83
9230453.0	1992	S	ON	CAN	46.03	77.31	2.13
9230454.0	1992	S	ON	CAN	45.58	77.26	1.03
9230455.0	1992	S	ON	CAN	45.59	77.26	1.04
9230456.0	1992	S	ON	CAN	45.58	77.26	1.36

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Collection Type de récolte	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
<i>Larix laricina</i> [tamarack; mélèze laricin] (continued/suite)									
9230457.0	1992	S	ALGONQUIN PARK	ON	CAN	1.07	1993	68.8	
7870002.0	1978	B	JACK CREEK	BC	CAN	50.16	115.31	1404	3.31
									1997
<i>Larix occidentalis</i> [Western larch; mélèze de l'Ouest]									
									58.3
<i>Larix sibirica</i> [Siberian larch; mélèze de Sibérie]									
8580240.0	1985	B	KRASNOYARSKY KRAY	RUS	RUS	7.20	1990	76.2	
9080236.0	1990	B	SOUTHERN SIBERIA	RUS	RUS	7.56			
<i>Liriodendron tulipifera</i> [tulip-tree; tulipier de Virginie]									
8530067.0	1985	S	ARNER	ON	CAN	42.01	82.49	31.96	1985
9230102.0	1992	B	EFFINGHAM & THUNDER BAY	ON	CAN	43.06	79.04	34.42	
9230141.0	1992	S	NIAGARA FALLS	ON	CAN	43.06	79.04	45.85	
9230142.0	1992	S	NIAGARA FALLS	ON	CAN	43.06	79.04	43.66	
<i>Magnolia acuminata</i> [cucumber-tree; magnolia acuminé]									
8430063.0	1984	S	PELHAM	ON	CAN	43.01	79.20	193	92.55
9230106.0	1992	B	FONTHILL KAME & CULTUS	ON	CAN	43.03	79.21	102.63	
9230131.0	1992	B	FENWICK	ON	CAN	43.03	79.21	120.37	
<i>Maytenus boaria</i>									
8690129.0	1986	N/A	MES DE MARZO	ARG	ARG	19.55	1986	5.0	
8780169.0	1987	N/A	EL BOLSON, RIO NEGRO	ARG	ARG	23.25			
<i>Nemopanthus mucronatus</i> [mountain-holly; némopanthie mucroné]									
9710011.0	1997	B	FRENCHFORT	PE	CAN	46.20	63.00	10	10.34
<i>Nothofagus dombeyi</i>									
8690128.0	1986	N/A	MES DE MARZO	ARG	ARG	2.57	1986	7.0	
8780171.0	1987	N/A	EL BOLSON, RIO NEGRO	ARG	ARG	2.15	1987	5.0	
8780172.0	1987	N/A	EL BOLSON, RIO NEGRO	ARG	ARG	2.16	1987	15.5	
<i>Nothofagus nervosa</i>									
8780174.0	1987	N/A	S.M. ANDES, NEUQUEN	ARG	ARG	10.77	1987	77.0	
8791125.0	1987	N/A		ARG	ARG	12.02			
<i>Nothofagus obliqua</i> [Roble beech]									
7993290.0	1979	S	NEUQUEN	ARG	38.00	70.00	1200	7.48	1985
8780173.0	1987	N/A	S.M. ANDES, NEUQUEN	ARG	40.10	71.20		7.01	1987
									9.5

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	Test: %
		Provenance			TSW PMS	Year/ Année Germ.
<i>Nothofagus obliqua</i> [Roble beech] (continued/suite)						
8791124.0	1987	N/A	ARG			6.61
8190140.0	1981	S TIERRA DEL FUEGO	ARG	54.00	68.00	25.19 1984
9230069.0	1992	S STEVENSVILLE	ON CAN	42.59 43.06	79.15 79.08	98.42 120.42
9230105.0	1992	B GREEN CORNERS	ON ON			
<i>Ostrya virginiana</i> [ironwood; ostryr de Virginie]						
8430083.0	1984	S PETAWAWA NAT. FOR. INST.	ON CAN	46.00 45.49	77.26 76.46	20.24 1985
9230074.0	1992	B LA PASSE	ON CAN	45.58 45.58	77.30 77.30	19.71 24.98
9230079.0	1992	S PETAWAWA NAT. FOR. INST.	ON CAN	45.59 45.59	77.25 77.25	21.96 35.0
9230080.0	1992	N/A PETAWAWA NAT. FOR. INST.	ON CAN	45.57 45.57	66.41 66.41	30 30
9610012.0	1996	S ODELL PARK, FREDERICTON	NB CAN	45.57 45.57	66.41 66.41	26.07 25.20
9610013.0	1996	S ODELL PARK, FREDERICTON	NB CAN			1997 49.5
<i>Paulownia fargesii</i>						
84800984.0	1984	N/A JIANGSU PROVINCE	CHN	32.00	120.00	0.28 1985
<i>Paulownia fortunei</i>						
11800522.0	N/A	TAIPEI	CHN	25.05	121.32	50 0.22
<i>Paulownia kavakamii</i>						
1180053.0	N/A	LISHAN	CHN	31.53	113.19	1950 0.15
<i>Paulownia taiwaniana</i>						
1180054.0	N/A	KUKUAN	CHN			840 0.11
<i>Phellodendron amurense</i> [Amur corktree; arbre liège de Chine]						
9230070.0	1992	S PETAWAWA NAT. FOR. INST.	ON ON	46.00 46.00	77.27 77.25	11.13 12.54
9330036.0	1993	S PETAWAWA NAT. FOR. INST.				
<i>Picea abies</i> [Norway spruce; épinette de Norvège]						
6220010.0	1962	B PRIECELEX PLANTATIONS	QC CAN			
6682506.0	1966	N/A BOUBIN	CZE	48.58	13.47	9.68 1989
6682508.0	1966	N/A POLOTSK	BEL	55.30	28.45	8.48 1998
6682509.0	1966	N/A MINSK	BEL	53.52	27.35	5.97 1998
6682510.0	1966	N/A VOLOZHIN	BEL	54.07	27.35	5.85 1998
						31.0 48.0
						6.29 1998 9.0

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année de récolte	Collection Type de récolte	Type de récolte	Provenance	Province provincial de pays	Country Code	Elevation/ Altitude (m)	Test: TSW PMs	Year/ Année	% Germ.
<i>Picea abies</i> [Norway spruce; épinette de Norvège] (continued/suite)										
6682511.0	1966	B	MARAMUREZ	ROM	47.40	23.45	1285	6.50	1998	15.0
6682512.0	1966	B	BREZNO	CZE	48.48	19.38	700	8.08	1998	35.0
6831811.0	1968	S	HUDSON'S PLACE TREE 100	ON	46.00	77.26	150	9.15	1998	9.0
6831812.0	1968	S	HUDSON'S PLACE TREE 105	ON	46.00	77.26	150	9.70	1998	28.0
6831813.0	1968	S	HUDSON'S PLACE TREE 110	ON	46.00	77.26	150	12.17	1998	36.0
6831814.0	1968	S	HUDSON'S PLACE TREE 114	ON	46.00	77.26	150	9.29	1998	33.0
6831815.0	1968	S	HUDSON'S PLACE TREE 116	ON	46.00	77.26	150	9.82	1998	16.0
6831816.0	1968	S	HUDSON'S PLACE TREE 118	ON	46.00	77.26	150	11.01	1998	45.0
6831817.0	1968	S	HUDSON'S PLACE TREE 120	ON	46.00	77.26	150	10.72	1998	67.0
6880270.0	1968	B	IVANTIARN	SWE	60.48	16.45	240	6.65	1991	57.2
6880280.0	1968	B	CENTRAL FINLAND	FIN	62.00	24.00	5.01	1989	20.5	
7180013.0	1971	B	NOVOT	SVK	49.26	19.18	1150	8.79	1998	44.0
7380014.0	1973	B	SUCEAVA	ROM	45.45	26.00	1050	7.54	1998	26.0
7380015.0	1973	B	MOLDOVITA	ROM	47.45	25.44	855	7.93	1998	27.0
7383260.0	1973	B	COSNA FOREST DISTRICT	ROM	27.00	45.00	6.92	1989	3.0	
7486820.0	1974	S	PRIENU	LTU	54.12	23.51	107	6.67	1989	73.0
7486830.0	1974	S	VILNIAUS	LTU	54.48	25.18	150	6.84	1991	42.5
7581500.0	1975	B	TARTU	EST	58.22	26.46	60	5.90	1989	81.2
78866820.0	1978	B	VOLOGODSKAYA OBLAST	RUS	59.11	38.00	5.57	1989	42.0	
78866830.0	1978	B	KOSTROMSKAYA OBLAST	RUS	57.00	42.00	4.95	1989	24.5	
78866840.0	1978	B	KALININSKAYA OBLAST	RUS	57.00	37.00	6.90	1989	61.2	
7984110.0	1979	B	KOSTROMSKAYA OBLAST	RUS	58.00	41.00	5.03	1992	38.0	
7985014.0	1979	B	REMNINGSTORP SEED ORCH.	SWE			8.67	1992	62.5	
8082223.0	1980	B	VYHLEDY, DOMAZLICE	CZE	49.24	12.48	600	7.11	1990	91.2
8082224.0	1980	B	KRALUV HVOZD, NYRSKO	CZE	49.14	13.10	700	7.64	1990	92.0
8082225.0	1980	B	LANY, NASAVRSKY	CZE	49.43	15.56	700	7.40	1990	92.0
8082226.0	1980	B	HORNÍ BEČVA, ROZNOV	CZE	49.26	18.19	680	6.86	1990	93.2
8082227.0	1980	B	STARE HAMRY, OSTRAVICE	SVK	49.32	18.24	740	8.21	1990	95.2
8181574.0	1981	B	HORY REJSTEJN, KASPERSKÉ	CZE	49.08	13.30	940	6.86	1990	34.5
8181575.0	1981	B	STRÁZNY, VIMPERK	CZE	48.55	13.43	920	7.56	1990	38.5
8181576.0	1981	B	CES. ZLEBY, PRACHATICE	CZE	48.53	13.48	880	7.62	1990	65.5
8181577.0	1981	B	HUTE, ROZMITAL P. T.	CZE	49.35	13.50	7.45	1990	82.3	
8181578.0	1981	B	VLTAVA, CES. KRUMLOV	CZE	48.46	14.22	780	7.46	1990	79.7
8181579.0	1981	B	DROZDANY, PELHRIMOV	CZE	49.20	15.12	710	7.86	1990	58.0
8181581.0	1981	B	HERALEC, NOVE MESTO	CZE	49.41	16.00	750	7.39	1990	29.0
8181582.0	1981	B	DESTNE, OPOCNO	CZE	50.18	16.22	900	7.81	1990	41.2
8181583.0	1981	B	RICKY, RYCHNOV N. K.	CZE	50.13	16.29	840	7.19	1992	30.2
8181584.0	1981	B	DETŘICHOV, BRUNTAL	CZE	49.50	17.26	680	7.05	1992	48.8
8286124.0	1982	B	VITKUV KAMEN, VYSSI BROD	CZE	48.38		860	7.53	1992	18.2

Seed Centre Number/ Numéro de Centre de semences	Coll Year/ Année de récolte	Collection Type de récolte	Provence de provenance	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Picea abies</i> [Norway spruce; épinette de Norvège] (continued/suite)											
8380053.0	1983	B	NORTHERN FINLAND	FIN	64.00				4.86	1997	65.5
83800651.0	1983	N/A	BUCHLOVICE, ROSTIN	CZE	49.20	17.40		450	7.98	1993	85.0
83800653.0	1983	N/A	ZVESTOVICE	CZE	49.60	14.30		600	7.27	1988	79.2
83800862.0	1983	B	BOUBIN, PRACHATICE	CZE	49.02	13.48		1010	8.67	1991	82.2
83800863.0	1983	B	POHORSKA VES, NOVE HRADY	CZE	48.40	14.37		800	9.14	1991	80.5
83800864.0	1983	B	CER. UDOLI, NOVE HRADY	CZE	48.45	14.47		800	9.50	1992	87.2
83800866.0	1983	B	NACHOD, OPOCNO	CZE	50.23	16.16		360	9.42	1998	71.0
84800953.0	1984	N/A	OVAÑAKER HOMYYREN	SWE	61.15	15.45		200	5.30	1993	52.5
8481461.0	1984	B	ORLICKE HORY	CZE				510	8.60	1998	12.0
8481610.0	1984	B	SEED ORCHARD-S21P8420002	SWE				1029	1.16	1991	88.0
8580203.0	1985	B	JAVORINKA	SVK	48.59	18.35		1240	7.16	1991	54.2
8580204.0	1985	B	LUPCA, SLOVEMASKA	SVK	48.46	19.16		1100	7.26	1991	46.2
8580252.0	1985	B	MOLDOVITA	ROM	47.44	25.24		900	7.92	1991	77.5
8580253.0	1985	B	BISTRITA NASAUD COUNTY	ROM	47.17	24.56					
8580254.0	1985	B	HARGHITA COUNTY	ROM	46.45	25.20					
8580263.0	1985	B	SINGEORZ - BAI	ROM	47.06	24.24					
8580264.0	1985	B	GHEORGHIENI	ROM	46.35	25.25					
8580265.0	1985	B	TURDA	ROM	46.30	23.13					
8580266.0	1985	B	TOMNATIC	ROM	46.43	25.29					
8580267.0	1985	B	BELIS	ROM	46.37	23.01					
8720197.0	1987	S	HUDSON'S PLACE TREE 100	ON	46.00	77.26		150	7.72	1993	97.0
8720198.0	1987	S	HUDSON'S PLACE TREE 109	ON	46.00	77.26		150	8.43	1998	90.0
8720200.0	1987	S	HUDSON'S PLACE TREE 122	ON	46.00	77.26		150	7.05	1998	100.0
8780014.0	1987	B	VEHKALAHTI	FIN	60.35	27.20			5.64	1997	77.0
8780077.0	1987	B	PRIENAI	LITU	54.45	23.47		140	7.39	1989	64.2
8780778.0	1987	B	ROKISKIS	LITU	55.50	25.20		130	7.66	1989	40.0
8781128.0	1987	B	SORAMSBERG	SWE	60.31	14.09		275	5.38	1990	90.0
8781219.0	1978	B	INTORSURA BUZ.	ROM	45.45	26.20		1000	8.20	1993	83.5
8830258.0	1988	S	HUDSON'S PLACE TREE 102	ON	46.00	76.26		150	6.40	1998	99.0
8830259.0	1988	S	HUDSON'S PLACE TREE 107	ON	46.00	77.26		150	9.86	1998	64.0
8830260.0	1988	S	HUDSON'S PLACE TREE 99	ON	46.00	77.26		150	7.64	1998	98.0
8881180.0	1988	B	ORAVITA	ROM	45.10	22.10		820	6.01	1991	60.0
8881307.0	1988	B	SIBIU COUNTY	ROM	45.36	24.15		1300	6.95	1992	88.0
8881308.0	1988	B	CARAS-SEVERIN COUNTY	ROM	45.10	22.10		820	6.95	1992	83.7
8881328.0	1988	B	V. SADULUI	ROM	45.36	24.15					
8930061.0	1989	S	HUDSON'S PLACE TREE 101	ON	46.00	77.26		150	8.06	1998	76.0
8930063.0	1989	S	HUDSON'S PLACE TREE 104	ON	46.00	77.26		150	10.08	1998	100.0
8930066.0	1989	S	HUDSON'S PLACE TREE 107	ON	46.00	77.26		150	9.33	1998	69.0
8930067.0	1989	S	HUDSON'S PLACE TREE 108	ON	46.00	77.26		150	8.74	1998	99.0
8930068.0	1989	S	HUDSON'S PLACE TREE 110	ON	46.00	77.26		150	12.09	1998	100.0

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année de semences	Collection Type de récolte	Type de récolte	Provenance	Province	Country Code provincial	Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	% Germ.	Test:
<i>Picea abies</i> [Norway spruce; épinette de Norvège] (continued/suite)														
8930069.0	1989	S	HUDSON'S PLACE TREE 111	ON	CAN	46.00	77.26	150	9.70	1998	99.0			
8930071.0	1989	S	HUDSON'S PLACE TREE 113	ON	CAN	46.00	77.26	150	11.97	1998	100.0			
8930072.0	1989	S	HUDSON'S PLACE TREE 114	ON	CAN	46.00	77.26	150	10.58	1998	96.0			
8930073.0	1989	S	HUDSON'S PLACE TREE 115	ON	CAN	46.00	77.26	150	10.31	1998	99.0			
8930074.0	1989	S	HUDSON'S PLACE TREE 118	ON	CAN	46.00	77.26	150	11.07	1998	99.0			
8930075.0	1989	S	HUDSON'S PLACE TREE 119	ON	CAN	46.00	77.26	150	8.64	1998	99.0			
8930076.0	1989	S	HUDSON'S PLACE TREE 120	ON	CAN	46.00	77.26	150	10.35	1998	96.0			
8930078.0	1989	S	HUDSON'S PLACE TREE 124	ON	CAN	46.00	77.26	150	9.23	1998	100.0			
8930079.0	1989	S	HUDSON'S PLACE TREE 125	ON	CAN	46.00	77.26	150	9.74	1998	100.0			
8930080.0	1989	S	HUDSON'S PLACE TREE 127	ON	CAN	46.00	77.26	150	10.44	1998	98.0			
9180104.0	1991	B	ROMAN	ROM	45.15	24.05	8.34	1993	91.5					
9180105.0	1991	B	SOVIEJA	ROM	45.45	26.40	430	6.84	1993	11.0				
9180106.0	1991	B	BICAZ	ROM	47.00	45.49		8.38	1993	96.0				
9180107.0	1991	B	TOPLITA	ROM	46.45	25.20		8.45	1993	95.5				
9380037.0	1993	N/A	JODEIKAI	LTU	56.10	23.10	80	6.03	1997	58.0				
9380038.0	1993	N/A	PUNIA	LTU	54.32	24.00	80	6.79	1997	87.5				
9380039.0	1993	N/A	SLAVIKAI	LTU	55.00	23.40	50	7.44	1997	39.5				
9380040.0	1993	N/A	AZUOLU-BUDA	LTU	54.35	23.30	85	6.12	1997	42.0				
9480123.0	1994	N/A	GIRIONYS	LTU	53.55	23.40	80	6.23	1997	62.0				
9480130.0	1994	N/A	GIRIONYS	LTU	53.55	23.40	80	7.56	1997	33.0				
<i>Picea engelmannii</i> [Engelmann spruce; épinette d'Engelmann]														
7161950.0	1971	B	HIGHWOOD SUMMIT	AB	CAN	50.20	114.30		2225	1.88	1993	27.5		
7186160.0	1971	B	HUNGRY HORSE	MT	USA	48.21	113.58	1100	2.50	1987	14.0			
7460003.0	1974	B	KAKWA RIVER	AB	CAN	54.17	119.52	1300	1.90	1997	75.0			
7460004.0	1974	B	KAKWA RIVER	AB	CAN	54.12	119.52	1700	2.68	1997	78.0			
8070005.0	1980	N/A	CHASE CREEK	BC	CAN	50.40	119.34	992	2.35	1997	51.5			
8560028.0	1985	B	HILLCREST CREEK	AB	CAN	49.39	114.28	1700	2.66	1997	75.5			
8572251.0	1985	B	NEWINGTON CREEK	BC	CAN	49.15	116.50	1550	1.94	1990	98.0			
8871105.0	1988	B	AINSLIE CREEK	BC	CAN	50.02	121.22	1300	2.21	1990	86.0			
8871310.0	1988	B	COOIHALLA RIVER	BC	CAN	49.38	121.01	1250	2.42	1992	72.8			
8871311.0	1988	B	WHISTLER	BC	CAN	50.07	122.57	630	2.63	1992	95.8			
8871312.0	1988	B	SCUZZY CREEK	BC	CAN	49.53	121.32	1175	2.26	1992	42.0			
9070751.0	1990	B	KAMLOOPS	BC	CAN	50.40	120.20	1650	1.90	1995	65.0			
9160010.0	1991	B	HILLCREST CREEK	AB	CAN	49.44	114.36	1800	2.06	1997	80.0			
<i>Picea glauca</i> [white spruce; épinette blanche]														
1100027.0	B		BAY DESPOIR	NF	CAN	47.66	55.52		2.33	1990	79.2			
1100028.0	B		RODDICKTON	NF	CAN	50.59	56.14		2.42	1990	77.0			
1100030.0	B		LITTLE RAPIDS	NF	CAN	48.58	57.45		2.91	1990	86.5			

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provenance	Province provincial	Country Code de pays	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épineuse blanche] (continued/suite)									
11000311.0	B	MICHAEL'S BROOK	NF	CAN	48.46	56.20	2.81	1990	87.2
1100032.0	B	MICHAEL'S BROOK	NF	CAN	48.46	56.20	2.59	1990	76.2
1100038.0	B	WOODY POINT	NF	CAN	49.25	57.55	3.05	1990	90.2
1100039.0	B	GOOSE BAY	NF	CAN	53.17	60.25	2.17		
1100041.0	B	MILTON	NF	CAN	53.58	48.13	2.85	1990	80.8
1100042.0	B	ENGLE	NF	CAN	50.44	56.06	2.35		
1128950.0	S	GRANDES-PILES	QC	CAN	46.45	73.05	365	2.45	1983 47.0
1130023.0	B	ACROSS CANADA	CAN	CAN	2.23	1989	86.8		
1131930.0	S	WESTMEATH TOWNSHIP	ON	CAN	45.50	76.50	121	2.17	1992 58.0
5310010.0	S	KLONDYKE ROAD	PE	CAN	46.25	62.28	60	2.46	1992 32.0
5530010.0	N/A	ANGUS	ON	CAN	44.15	79.55	220	2.69	1990 11.5
5620220.0	N/A	CASEY	QC	CAN	47.53	74.11	1.65	1992	3.8
5620290.0	N/A	MCNALLY LAKE	QC	CAN	46.32	76.30	243	2.12	1987 16.8
5624560.0	B	LAKE ST. PATRICK	QC	CAN	46.18	77.19	304	2.04	1992 19.0
5624690.0	S	AYLMER LAKE	QC	CAN	45.59	71.22	304	1.92	1992 37.0
5624720.0	S	PRICE	QC	CAN	48.36	68.07	304	1.89	1987 44.8
5624840.0	S	MITCHINAMEKUS LAKE	QC	CAN	47.23	75.09	396	1.76	1993 8.2
5624850.0	S	LAC SIMARD	QC	CAN	47.32	78.37	274	2.00	1993 10.2
5630000.0	S	ASHLEY MINE	ON	CAN	48.00	81.00	365	0.00	1998 0.0
5630260.0	S	ALGONQUIN PARK	ON	CAN	45.34	78.36	426	1.97	1992 63.0
5630270.0	N/A	MAYNOOTH	ON	CAN	45.14	77.56	394	2.12	1990 10.8
5630300.0	N/A	MANITOULIN ISLAND	ON	CAN	45.50	82.55	205	2.11	1992 4.3
5810010.0	N/A	GYPSUM MINES	NS	CAN	44.59	64.04	30	2.10	1992 63.2
5938700.0	S	KAPUSKASING	ON	CAN	48.55	82.47	259	2.22	1992 14.0
6030480.0	N/A	PETAWAWA NAT. FOR INST.	ON	CAN	45.58	77.24	160	1.86	1990 28.8
6530740.0	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.76	1990 7.0
6530760.0	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.40	1987 50.5
6531000.0	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.14	1990 10.5
6630010.0	N/A	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.94	1990 28.8
6630020.0	1966	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	3.24	1987 41.5
6632390.0	1966	PETAWAWA NAT. FOR INST.	ON	CAN	45.58	77.24	160	1.98	1990 26.8
6730660.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	1.71	1990 30.2
6730670.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.34	1988 39.2
6730680.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.10	1987 70.8
6730690.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.13	1990 43.5
6730700.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	1.52	1990 65.8
6730710.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	1.82	1990 56.5
6730740.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182		
6730750.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182		
6730760.0	1967	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182		

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type		Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	T SW PMS	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épinette blanche] (continued/suite)											
6730800.0	1967	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.01	1987	15.2
6730830.0	1967	B	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.18	1988	79.8
6731000.0	1967	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	1.72	1989	85.5
6731020.0	1967	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.24	1989	88.0
6731030.0	1967	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	1.59	1989	90.0
6731050.0	1967	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	1.53	1987	47.0
6731060.0	1967	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	1.51	1988	27.0
6731120.0	1967	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.47	1988	86.8
6800190.0	1968	B	GANDER	NF	CAN	48.57	54.45	91	2.75	1990	10.0
7000780.0	1970	B	GRAND FALLS	NF	CAN	48.55	55.51	106	2.76	1993	84.2
7000790.0	1970	B	GRAND LAKE	NF	CAN	48.53	57.36	45	3.28	1987	88.8
7010750.0	1970	N/A	ACADIA FOR. EXP. STA.	NB	CAN	46.00	66.21	76	2.33	1988	94.5
7011120.0	1970	N/A	HARBOUR CENTRE	NS	CAN	45.47	61.56	91	2.20	1987	90.0
7011150.0	1970	B	ST. ANN'S	NS	CAN	46.16	60.37	137	2.41	1988	52.0
7011160.0	1970	B	GLENCOE	NS	CAN	45.57	61.19	167	2.60	1987	63.2
7011170.0	1970	N/A	GAGETOWN	NB	CAN	45.32	66.21	167	2.13	1993	82.8
7020760.0	1970	B	ST. ELZEAR	QC	CAN	48.15	65.27	365	2.35	1993	58.2
7020770.0	1970	B	LAC-A-LA-TORTUE	QC	CAN	46.39	72.36	131	2.08	1987	91.9
7020800.0	1970	B	WATOPEKA FOREST	QC	CAN	45.35	71.54	213	2.62	1987	81.8
7020810.0	1970	S	WOBURN	QC	CAN	45.18	70.53	853	2.89	1987	92.2
7030640.0	1970	S	BEACHBURG	ON	CAN	45.40	76.47	137	2.27	1993	91.5
7030740.0	1970	N/A	COCHRANE	ON	CAN	49.10	81.15	265	2.22	1993	67.0
7031130.0	1970	B	RANWICK MINE	ON	CAN	47.15	83.35	228	2.21	1993	49.8
7061820.0	1970	N/A	NORDEGG	AB	CAN	52.11	116.00	1372	2.70	1990	73.8
7061830.0	1970	N/A	ROCKY MOUNTAIN HOUSE	AB	CAN	52.35	115.15	762	2.60	1988	85.0
7072020.0	1970	N/A	SUNDOWN CREEK	BC	CAN	55.20	120.40	1127	2.11	1987	39.2
7073740.0	1970	B	PARROTT LAKES	BC	CAN	54.11	126.40	823	1.92	1988	16.8
7073760.0	1970	B	GAGNON CREEK	BC	CAN	55.15	123.05	914	2.00	1988	10.2
7073800.0	1970	B	MCDAME POST	BC	CAN	59.10	129.15	762	1.97	1988	8.5
7073820.0	1970	B	FORT FRASER	BC	CAN	53.52	124.37	762	1.82	1988	8.2
7073830.0	1970	B	LOWER POST	BC	CAN	59.55	128.30	640	1.76	1988	17.0
7100450.0	1971	N/A	PASADENA	NF	CAN	49.01	57.37	45	2.91	1990	9.8
7130003.0	1971	B	CAMP ROBINSON	ON	CAN	50.10	93.15	365	2.39	1997	32.5
7130006.0	1971	B	KENORA	ON	CAN	49.45	94.36	365	1.96	1997	25.0
7130007.0	1971	B	SIOUX NARROWS	ON	CAN	49.30	94.04	335	2.22	1997	29.0
7130011.0	1971	B	FINLAND	ON	CAN	48.57	93.56	365	1.91	1997	59.5
7130500.0	1971	N/A	ALICE	ON	CAN	45.45	77.18	182	2.65	1990	59.5
7130510.0	1971	N/A	ALICE	ON	CAN	45.45	77.18	182	2.18	1988	0.5
7132460.0	1971	S	TROUT CREEK	ON	CAN	45.59	79.27	335	3.30	1987	72.5
7132470.0	1971	S	TROUT CREEK	ON	CAN	45.59	79.27	335	3.49	1988	58.5

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provenance	Province provincial de pays	Country Code de pays	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épineuse blanche] (continued/suite)									
7132520.0	1971	S	TROUT CREEK	ON CAN	45.59	79.27	335	3.14	1993 0.2
7132540.0	1971	S	TROUT CREEK	ON CAN	45.59	79.27	335	2.33	1993 39.0
7132550.0	1971	S	JOCKO RIVER	ON CAN	46.36	79.10	304	2.01	1988 55.8
7132560.0	1971	S	JOCKO RIVER	ON CAN	46.36	79.10	304	1.99	1993 1.2
7132570.0	1971	S	JOCKO RIVER	ON CAN	46.36	79.10	304	2.16	1988 15.0
7132580.0	1971	S	JOCKO RIVER	ON CAN	46.36	79.10	304	2.40	1988 81.2
7132590.0	1971	S	JOCHO RIVER	ON CAN	46.36	79.10	304	2.27	1988 74.8
7132620.0	1971	S	JOCKO RIVER	ON CAN	46.36	79.10	304	1.93	1988 50.0
7132630.0	1971	S	JOCKO RIVER	ON CAN	46.36	79.10	304	2.19	1988 35.2
7132640.0	1971	S	JOCKO RIVER	ON CAN	46.36	79.10	304	3.38	1988 88.0
7132650.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	2.47	1988 44.5
7132660.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	2.20	1989 69.8
7132670.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	2.28	1988 86.0
7132690.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	2.86	1988 93.5
7132700.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	2.05	1988 7.8
7132710.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	1.80	1990 99.0
7132720.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	2.18	1987 59.9
7132730.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	2.10	1987 30.4
7132740.0	1971	S	RUTHERGLEN	ON CAN	46.17	79.04	228	2.36	1988 22.2
7132790.0	1971	S	JOCKO RIVER	ON CAN	46.14	80.43	213	2.21	1988 91.2
7132810.0	1971	S	JOCKO RIVER	ON CAN	46.14	80.43	213	1.54	1990 95.8
7132840.0	1971	S	SEARCHMONT	ON CAN	46.44	83.56	365	2.73	1988 69.0
7132870.0	1971	S	SEARCHMONT	ON CAN	46.44	83.56	365	2.46	1988 20.2
7132980.0	1971	S	WAWA	ON CAN	47.55	84.45	304	2.07	1988 29.0
7133000.0	1971	S	BOUCHARD LAKE	ON CAN	48.47	85.30	457	2.16	1987 97.8
7133010.0	1971	S	BOUCHARD LAKE	ON CAN	48.47	85.30	457	2.15	1988 50.2
7133040.0	1971	S	BOUCHARD LAKE	ON CAN	48.47	85.30	457	1.52	1988 44.5
7133050.0	1971	S	BOUCHARD LAKE	ON CAN	48.47	85.30	457	2.37	1987 96.2
7133060.0	1971	S	BOUCHARD LAKE	ON CAN	48.47	85.30	457	1.60	1988 2.5
7133070.0	1971	S	BOUCHARD LAKE	ON CAN	48.47	85.30	457	1.58	1988 26.5
7133110.0	1971	S	PIGEON RIVER	ON CAN	48.01	89.39	304	1.87	1988 38.0
7133160.0	1971	S	PIGEON RIVER	ON CAN	48.01	89.39	304	1.84	1988 14.0
7133180.0	1971	S	SHEBANDOWAN	ON CAN	48.37	90.11	457	2.70	1988 38.8
7133190.0	1971	S	SHEBANDOWAN	ON CAN	48.37	90.11	457	1.94	1988 17.8
7133220.0	1971	S	SHEBANDOWAN	ON CAN	48.37	90.11	457	2.29	1988 56.2
7133230.0	1971	S	EVA LAKE	ON CAN	48.40	91.25	426	1.45	1988 19.3
7133260.0	1971	S	EVA LAKE	ON CAN	48.40	91.25	426	1.70	1988 21.0
7133280.0	1971	S	EVA LAKE	ON CAN	48.40	91.25	426	1.88	1988 11.5
7133290.0	1971	S	EVA LAKE	ON CAN	48.40	91.25	426	1.54	1987 79.2
7133300.0	1971	S	NIPIGON	ON CAN	49.12	88.13	228	2.03	1988 85.0

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année de semences	Collection Type de récolte	Collection Type de récolte	Province provincial de pays	Country Code de pays	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épinette blanche] (continued/suite)									
7133400.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1987	84.0
7133410.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1990	94.2
7133420.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1987	95.0
7133430.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1987	88.5
7133440.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1988	68.2
7133450.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1987	98.5
7133460.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1987	96.2
7133480.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1987	96.8
7133490.0	1971	S	FINLAND	ON	CAN	48.57	93.56	1987	73.8
7133500.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	2.05
7133510.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	2.17
7133520.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	2.01
7133530.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	2.13
7133540.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	2.67
7133550.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	1.94
7133560.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	1.88
7133580.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	2.07
7133590.0	1971	S	SIOUX NARROWS	ON	CAN	49.30	94.04	335	2.41
7133700.0	1971	S	RAINY LAKE	ON	CAN	48.42	93.03	335	2.01
7133710.0	1971	S	RAINY LAKE	ON	CAN	48.42	93.03	335	1.95
7133720.0	1971	S	RAINY LAKE	ON	CAN	48.42	93.03	335	1.88
7133730.0	1971	S	RAINY LAKE	ON	CAN	48.42	93.03	335	2.11
7133780.0	1971	S	CAMP ROBINSON	ON	CAN	50.10	93.15	335	1.87
7133860.0	1971	S	SIOUX LOOKOUT	ON	CAN	50.07	91.50	381	2.73
7133920.0	1971	S	EAR FALLS	ON	CAN	50.40	93.12	365	2.66
7133930.0	1971	S	EAR FALLS	ON	CAN	50.40	93.12	365	2.24
7134050.0	1971	S	RED LAKE	ON	CAN	51.02	93.48	365	2.32
7134100.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	2.35
7134110.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	2.22
7134120.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	2.04
7134130.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	1.79
7134140.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	1.42
7134150.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	1.24
7134160.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	2.02
7134170.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	2.18
7134180.0	1971	S	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	2.20
7134190.0	1971	N/A	BLACK STURGEON LAKE	ON	CAN	49.30	89.03	274	2.22
7135630.0	1971	N/A	CLUTE TOWNSHIP	ON	CAN	49.05	81.15	289	2.21
7136210.0	1971	N/A	FOLEYET	ON	CAN	48.15	82.00	1.94	1987
7151010.0	1971	B	MEADOW LAKE	SK	CAN	53.50	108.40	640	2.15

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Type de récolte	Provenance	Province provincial	Country Code de pays	Code Code de pays	Elevation/ Altitude (m)	TSW PMS	Year/ Année	% Germination/ % Ger.
<i>Picea glauca</i> [white spruce; épinette blanche] (continued/suite)											
7230770.0	1972	S	SAND L. ROAD	ON	CAN	45.50	77.20	182	2.65	1990	50.8
7230780.0	1972	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	3.64	1987	73.5
7230790.0	1972	S	SAND LAKE ROAD	ON	CAN	45.50	77.20	182	2.37	1988	91.0
7230800.0	1972	N/A	SAND LAKE ROAD	ON	CAN	45.50	77.20	182	2.51	1988	42.7
7230810.0	1972	S	C.F.B. - BURNT BRIDGE	ON	CAN	46.00	77.20	182	2.94	1988	59.5
7230850.0	1972	S	BEACHBURG	ON	CAN	45.45	76.50	137	2.89	1988	75.8
7230860.0	1972	S	BEACHBURG	ON	CAN	45.45	76.50	150	2.38	1990	44.0
7230890.0	1972	S	DAVIS MILLS	ON	CAN	45.45	77.15	152	2.76	1988	53.5
7231050.0	1972	S	RANKIN	ON	CAN	45.45	77.10	152	3.22	1987	57.0
7231140.0	1972	S	IRVINE CREEK	ON	CAN	44.55	78.05	365	2.63	1988	65.8
7231160.0	1972	S	IRVINE CREEK	ON	CAN	44.55	78.05	365	3.21	1988	27.5
7231230.0	1972	B	IRVINE CREEK	ON	CAN	44.55	78.05	365	2.69	1987	82.5
7231270.0	1972	N/A	APSLEY	ON	CAN	44.45	78.08	365	1.93	1988	89.5
7232640.0	1972	S	NAIRN TOWNSHIP	ON	CAN	46.20	81.41	243	2.31	1988	62.5
7330066.0	1973	N/A	EAR FALLS	ON	CAN	50.42	93.22	381	2.30	1997	50.5
7330007.0	1973	N/A	RED LAKE, DOME TOWNSHIP	ON	CAN	51.06	93.46	396	2.16	1997	44.5
7330600.0	1973	S	NEEDLE LAKE	ON	CAN	49.57	92.31	396	2.06	1990	45.8
7330850.0	1973	S	UPSALA	ON	CAN	49.04	90.31	487	2.17	1988	6.2
7330870.0	1973	S	UPSALA	ON	CAN	49.04	90.31	487	2.22	1988	18.0
7330880.0	1973	S	UPSALA	ON	CAN	49.04	90.31	487	2.12	1988	6.0
7331060.0	1973	S	UCHI LAKE	ON	CAN	50.48	93.08	381	1.99	1988	18.7
7333330.0	1973	B	EAR FALLS	ON	CAN	50.42	93.22	381	2.22	1987	82.8
7333340.0	1973	B	RED LAKE	ON	CAN	51.06	93.46	396	2.13	1988	31.8
7333350.0	1973	B	WHITE DOG FALLS	ON	CAN	50.07	94.52	350	2.16	1987	78.2
7341260.0	1973	B	RIVERTON	MB	CAN	51.00	97.00	213	2.52	1988	16.0
7341270.0	1973	B	BERNIC LAKE	MB	CAN	50.25	95.36	274	2.31	1990	96.0
7341280.0	1973	B	ANGLE INLET	MB	CAN	49.19	95.20	335	2.11	1987	93.5
7341290.0	1973	B	WEST HAWK LAKE	MB	CAN	49.47	95.15	335	2.14	1988	91.5
7430410.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	160	2.53	1988	88.2
7430420.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	160	2.08	1988	91.8
7430450.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.30	77.01	121	2.24	1988	96.8
7430460.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24	160	2.58	1985	93.0
7430500.0	1974	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	160	2.07	1988	7.0
7430540.0	1974	S	DOUGLAS	ON	CAN	45.30	77.01	121	2.57	1985	95.0
7430570.0	1974	S	DOUGLAS	ON	CAN	45.30	77.01	121	2.01	1988	99.0
7430580.0	1974	S	DOUGLAS	ON	CAN	45.30	77.01	121	2.51	1990	21.2
7430590.0	1974	S	DOUGLAS	ON	CAN	45.33	77.00	121	2.66	1988	89.0
7430600.0	1974	S	DOUGLAS	ON	CAN	45.33	77.00	121	2.02	1988	86.8
7430610.0	1974	S	DOUGLAS	ON	CAN	45.33	77.00	121	2.89	1988	21.2
7430630.0	1974	S	DOUGLAS	ON	CAN	45.33	77.00	121	2.96	1988	13.0

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Prov. Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épine blanche] (continued/suite)										
7430660.0	1974	S	ON	CAN	45.38	77.04	152	2.95	1988	86.0
7430670.0	1974	S	ON	CAN	45.28	76.38	121	2.80	1990	88.8
7430710.0	1974	S	ON	CAN	45.28	76.44	121	2.24	1988	79.8
7430750.0	1974	S	ON	CAN	45.28	76.44	121	2.40	1988	85.8
7430790.0	1974	S	ON	CAN	45.28	76.44	121	2.78	1988	94.8
7430800.0	1974	S	ON	CAN	45.28	76.44	121	3.46	1988	88.0
7430810.0	1974	S	ON	CAN	45.28	76.44	121	2.69	1988	98.5
7430830.0	1974	S	ON	CAN	45.19	76.11	121	2.32	1988	87.2
7430850.0	1974	S	ON	CAN	45.19	76.11	121	2.17	1988	93.0
7430870.0	1974	S	ON	CAN	45.19	76.11	121	2.85	1988	39.8
7430940.0	1974	S	ON	CAN	45.06	77.58	381	2.29	1988	87.2
7430950.0	1974	S	ON	CAN	45.06	77.58	381	1.99	1988	80.2
7430970.0	1974	S	ON	CAN	45.06	77.58	381	1.90	1988	94.8
7430980.0	1974	S	ON	CAN	45.06	78.02	396	1.96	1989	76.5
7431000.0	1974	S	ON	CAN	45.06	78.02	396	1.87	1988	96.8
7431010.0	1974	S	ON	CAN	45.06	78.02	396	1.72	1990	70.2
7431020.0	1974	S	ON	CAN	45.06	78.02	396	2.57	1988	93.2
7431030.0	1974	S	ON	CAN	45.06	78.02	396	3.37	1990	97.0
7431040.0	1974	S	ON	CAN	44.55	78.04	365	2.80	1988	97.2
7431050.0	1974	S	ON	CAN	44.55	78.04	365	2.47	1988	94.8
7431060.0	1974	S	ON	CAN	44.55	78.04	365	2.14	1988	97.5
7431070.0	1974	S	ON	CAN	44.55	78.04	365	2.32	1990	72.5
7431080.0	1974	S	ON	CAN	44.55	78.04	365	2.39	1990	17.5
7431090.0	1974	S	ON	CAN	44.55	78.04	365	2.40	1988	92.8
7431100.0	1974	S	ON	CAN	44.55	78.04	365	2.57	1990	67.2
7431110.0	1974	S	ON	CAN	44.49	76.41	182	2.15	1988	92.0
7431120.0	1974	S	ON	CAN	44.49	76.41	182	2.64	1988	72.7
7431130.0	1974	S	ON	CAN	44.49	76.41	182	2.20	1985	89.5
7431150.0	1974	S	ON	CAN	44.49	76.41	182	2.77	1990	97.0
7431170.1	1974	S	ON	CAN	45.32	78.16	396	2.17	1998	54.5
7431280.5	1974	S	ON	CAN	45.32	78.16	396	2.82	1998	92.0
7431290.5	1974	S	ON	CAN	45.32	78.16	396	2.29	1998	96.0
7431300.5	1974	S	ON	CAN	45.32	78.16	396	2.22	1998	86.0
7431310.5	1974	S	ON	CAN	45.32	78.16	396	1.94	1998	94.0
7431320.5	1974	S	ON	CAN	45.32	78.16	396	2.21	1998	98.0
7431330.5	1974	S	ON	CAN	45.32	78.16	396	2.36	1998	96.0
7431340.5	1974	S	ON	CAN	45.32	78.16	396	2.38	1998	100.0

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provence	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
<i>Picea glauca</i> [white spruce; épinette blanche] (continued/suite)											
7431350.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.63	1998	100.0
7431360.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	3.08	1988	99.8
7431360.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	400	3.17	1997	85.0
7431360.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	3.08	1998	94.0
7431370.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.67	1987	98.7
7431370.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	400	2.80	1997	54.0
7431370.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.67	1998	100.0
7431380.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	400	2.28	1997	57.5
7431380.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.12	1998	100.0
7431390.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.14	1993	98.8
7431390.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.14	1998	98.0
7431400.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.77	1989	88.5
7431400.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.77	1998	96.0
7431410.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.42	1988	94.2
7431410.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.42	1998	98.0
7431420.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.06	1988	87.8
7431420.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.06	1998	96.0
7431430.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.31	1987	98.8
7431430.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.31	1998	98.0
7431440.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.94	1985	97.0
7431440.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.94	1998	98.0
7431450.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.41	1987	88.8
7431450.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.61	1997	77.5
7431450.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.41	1998	96.0
7431460.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.47	1990	76.5
7431460.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.47	1998	94.0
7431470.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.97	1988	95.4
7431470.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.97	1998	98.0
7431480.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.58	1990	98.2
7431480.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	400	2.72	1997	69.0
7431490.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.58	1998	94.0
7431490.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.17	1998	94.0
7431490.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.53	1993	98.2
7431500.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.98	1988	29.0
7431510.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	400	2.02	1997	57.5
7431510.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.53	1998	94.0
7431510.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.98	1998	98.0
7431520.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.25	1985	96.0
7431520.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.25	1998	100.0

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provence de récolte	Province Provincial de pays	Country Code	Country Code	Elevation/ Altitude (m)	TSW PMS	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épine blanche] (continued/suite)										
7431530.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.22	1988
7431530.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	400	2.23	1997
7431530.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.22	1998
7431540.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.76	1985
7431540.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.76	1998
7431550.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.22	1988
7431550.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.22	1998
7431560.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	3.44	1993
7431560.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	3.44	1993
7431570.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.67	1990
7431570.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.67	1998
7431580.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.22	1985
7431580.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.22	1998
7431580.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.22	1998
7431590.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.95	1998
7431590.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.95	1998
7431600.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.32	1993
7431600.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.32	1998
7431600.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.32	1998
7431610.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.18	1987
7431610.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.18	1998
7431620.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.20	1985
7431620.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.20	1998
7431620.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.20	1998
7431630.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.02	1987
7431630.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.02	1998
7431630.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.02	1998
7431640.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.32	1985
7431640.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.32	1998
7431640.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.15	1993
7431650.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.15	1998
7431650.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.85	1998
7431660.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.85	1998
7431660.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.19	1998
7431660.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	2.19	1998
7431670.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.93	1985
7431670.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.93	1998
7431670.5	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.93	1998
7431680.0	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.93	1998
7431680.1	1974	S	WHITNEY	ON	CAN	45.32	78.16	396	1.93	1998

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Prov. Country Code provincial de pays	Elevation/ Altitude (m)	Test: %
		Collection Type de récolte	Prov. Country Code provincial de pays	Elevation/ Altitude (m)	Test: %
<i>Picea glauca</i> [white spruce; épинette blanche] (continued/suite)					
7431680.5	1974	S	ON CAN	78.16	396 1.93 1998
7431690.1	1974	S	ON CAN	78.16	396 2.32 1998
7431690.5	1974	S	ON CAN	78.16	396 2.32 1998
7431700.0	1974	S	ON CAN	78.16	396 2.90 1985
7431700.1	1974	S	ON CAN	78.16	396 2.90 1998
7431700.5	1974	S	ON CAN	78.16	396 2.90 1998
7431710.0	1974	S	ON CAN	78.16	396 1.98 1987
7431710.1	1974	S	ON CAN	78.16	396 1.98 1998
7431710.5	1974	S	ON CAN	78.16	396 1.98 1998
7431720.0	1974	S	ON CAN	78.16	396 2.21 1985
7431720.1	1974	S	ON CAN	78.16	396 2.21 1998
7431720.5	1974	S	ON CAN	78.16	396 2.21 1998
7431730.0	1974	S	ON CAN	78.16	396 2.31 1987
7431730.5	1974	S	ON CAN	78.16	396 2.31 1998
7431860.0	1974	S	ON CAN	76.51	152 2.32 1985
7431910.0	1974	S	ON CAN	77.27	182 3.96 1988
7431930.0	1974	S	ON CAN	77.25	160 2.13 1985
7431950.0	1974	S	ON CAN	77.25	160 1.98 1988
7431960.0	1974	S	ON CAN	77.25	160 2.34 1988
7431970.0	1974	S	ON CAN	77.25	160 1.89 1988
7431980.0	1974	S	ON CAN	77.25	160 2.29 1988
7431990.0	1974	S	ON CAN	77.25	160 2.59 1985
7434280.0	1974	S	ON CAN	80.20	300 2.10 1988
7434290.0	1974	N/A	ON CAN	75.34	80.43 2.44 1990
7434320.0	1974	N/A	ON CAN	46.14	80.43 213 1.82 1987
7434420.0	1974	N/A	ON CAN	49.10	81.14 289 2.26 1988
7434480.0	1974	N/A	ON CAN	49.10	81.14 289 3.08 1987
7434950.0	1974	S	ON CAN	46.00	77.20 182 2.17 1988
7435490.0	1974	B	ON CAN	48.33	85.12 450 2.85 1991
7435550.0	1974	S	ON CAN	45.35	79.52 275 1.90 1988
7435570.0	1974	S	ON CAN	45.35	79.52 275 2.43 1988
7435630.0	1974	S	ON CAN	45.16	78.58 335 2.62 1988
7435690.0	1974	S	ON CAN	45.16	78.58 335 2.27 1988
7435700.0	1974	S	ON CAN	45.16	78.58 335 1.85 1988
7435750.0	1974	S	ON CAN	46.23	78.54 305 2.79 1988
7435840.0	1974	S	ON CAN	47.52	79.55 215 2.59 1984
7435850.0	1974	S	ON CAN	47.52	79.55 215 2.11 1988
7435870.0	1974	S	ON CAN	47.52	79.55 215 1.82 1988
7435890.0	1974	S	ON CAN	47.52	79.55 215 1.97 1988
7435900.0	1974	S	ON CAN	47.52	79.55 215 2.29 1988

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type	Provenance	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	Test: TSW PMS	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épiniette blanche] (continued/suite)									
7435910.0	1974	S	ENGLEHART	ON	CAN	47.52	79.55	215	2.51
7435920.0	1974	B	DENTON TOWNSHIP	ON	CAN	48.19	81.40	335	1.85
7436010.0	1974	S	SOUTH RIVER	ON	CAN	45.54	79.23	365	2.53
7436060.0	1974	S	SOUTH RIVER	ON	CAN	45.54	79.23	365	2.50
7436070.0	1974	S	SOUTH RIVER	ON	CAN	45.54	79.23	365	2.32
7436100.0	1974	S	SOUTH RIVER	ON	CAN	45.54	79.23	365	2.23
7436210.0	1974	N/A	SHANNONVILLE	ON	CAN	44.14	77.15	90	1.73
7436260.0	1974	S	POLAND	ON	CAN	45.03	76.35	245	2.73
7436280.0	1974	S	POLAND	ON	CAN	45.03	76.35	245	2.22
7436290.0	1974	S	POLAND	ON	CAN	45.03	76.35	245	2.24
7436300.0	1974	S	POLAND	ON	CAN	45.03	76.35	245	1.88
7436330.0	1974	S	MARLBOROUGH TOWNSHIP	ON	CAN	45.02	75.50	90	2.92
7436340.0	1974	S	MARLBOROUGH TOWNSHIP	ON	CAN	45.02	75.50	90	1.83
7436380.0	1974	S	MARLBOROUGH TOWNSHIP	ON	CAN	45.02	75.50	90	2.69
7436390.0	1974	N/A	HAVELOCK	ON	CAN	44.26	77.50	180	2.67
7436630.0	1974	S	SWASTIKA	ON	CAN	48.02	80.22	300	2.07
7466950.0	1974	B	FOOTNER LAKE	AB	CAN	57.55	115.30	460	2.26
7466960.0	1974	B	SLAVE LAKE FOREST	AB	CAN	56.38	114.35	730	2.05
7466970.0	1974	N/A	GRANDE PRAIRIE	AB	CAN	55.35	118.18	640	2.22
7477170.0	1974	B	CANYON LAKE	BC	CAN	53.01	123.12	1280	1.81
7477180.0	1974	B	STRATHNAVER	BC	CAN	53.18	122.12	1158	2.04
7477200.0	1974	B	WILLIAMSON CREEK	BC	CAN	49.17	118.53	671	2.39
7477220.0	1974	B	GREYBACK MOUNTAIN	BC	CAN	49.36	119.17	1585	1.94
7531520.0	1975	S	MANITOUEWADGE	ON	CAN	48.43	85.52	335	3.37
7531530.0	1975	S	MANITOUEWADGE	ON	CAN	48.43	85.52	335	2.46
7531570.0	1975	S	MANITOUEWADGE	ON	CAN	48.43	85.52	335	2.66
7531620.0	1975	S	MANITOUEWADGE	ON	CAN	49.17	85.58	305	2.12
7531630.0	1975	S	MANITOUEWADGE	ON	CAN	49.17	85.58	305	2.03
7531680.0	1975	S	MANITOUEWADGE	ON	CAN	49.17	85.58	305	1.93
7531700.0	1975	S	MANITOUEWADGE	ON	CAN	49.17	85.58	305	2.82
7531730.0	1975	S	MANITOUEWADGE	ON	CAN	49.17	85.54	260	2.11
7531760.0	1975	S	MANITOUEWADGE	ON	CAN	49.17	85.54	260	3.26
7531890.0	1975	S	CARAMAT	ON	CAN	49.36	86.09	305	1.61
7531890.0	1975	S	CARAMAT	ON	CAN	49.36	86.09	305	2.59
7531890.0	1975	S	CARAMAT	ON	CAN	49.36	86.09	305	2.52
7531890.0	1975	S	CARAMAT	ON	CAN	49.36	86.09	305	2.06
7531970.0	1975	S	WHITE RIVER	ON	CAN	48.37	85.19	305	2.53

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Type de récolte	Provenance	Province provincial de pays	Country Code	Code	Elevation/ Altitude (m)	TSW PMs	Year/ Année	Test: Germ.
<i>Picea glauca</i> [white spruce; épinette blanche] (continued/suite)											
7532030.0	1975	S	MOBERT	ON	CAN	48.42	85.35	305	2.48	1987	96.2
7532060.0	1975	S	MOBERT	ON	CAN	48.42	85.35	305	2.19	1988	96.8
7532090.0	1975	S	MOBERT	ON	CAN	48.42	85.35	305	2.52	1988	97.5
7532110.0	1975	S	TERACE BAY	ON	CAN	48.47	87.07	200	2.30	1988	93.8
7532120.0	1975	S	TERACE BAY	ON	CAN	48.47	87.07	200	2.33	1988	28.0
7532150.0	1975	S	TERACE BAY	ON	CAN	48.47	87.07	200	2.23	1988	76.0
7532180.0	1975	S	TERACE BAY	ON	CAN	48.47	87.07	200	1.93	1987	96.0
7532200.0	1975	S	TERACE BAY	ON	CAN	48.47	87.07	200	2.09	1988	80.2
7532290.0	1975	S	FALSE CREEK	ON	CAN	49.52	86.52	365	2.04	1988	97.2
7532300.0	1975	S	FALSE CREEK	ON	CAN	49.52	86.52	365	2.04	1988	97.0
7532330.0	1975	S	GERALDTON	ON	CAN	49.56	87.07	305	2.15	1989	89.2
7532380.0	1975	S	GERALDTON	ON	CAN	49.56	87.07	305	1.86	1988	95.5
7532400.0	1975	S	GERALDTON	ON	CAN	49.56	87.07	305	2.35	1988	88.0
7532420.0	1975	S	BEARDMORE	ON	CAN	49.33	88.00	365	2.19	1988	96.5
7532430.0	1975	S	BEARDMORE	ON	CAN	49.33	88.00	365	2.58	1984	74.5
7532490.0	1975	S	BEARDMORE	ON	CAN	49.33	88.00	365	1.87	1988	96.5
7532510.0	1975	B	WAWEIG LAKE	ON	CAN	50.09	89.07	305	1.64	1988	96.8
7532520.0	1975	S	WAWEIG LAKE	ON	CAN	50.09	89.07	305	1.96	1988	91.2
7532540.0	1975	S	WAWEIG LAKE	ON	CAN	50.09	89.07	305	1.90	1988	84.8
7532550.0	1975	S	WAWEIG LAKE	ON	CAN	50.09	89.07	305	2.23	1990	97.8
7532570.0	1975	S	WAWEIG LAKE	ON	CAN	50.09	89.07	305	1.99	1988	98.0
7532590.0	1975	S	WAWEIG LAKE	ON	CAN	50.09	89.07	305	1.91	1988	77.2
7532600.0	1975	S	WAWEIG LAKE	ON	CAN	50.09	89.07	305	2.24	1988	94.5
7532610.0	1975	S	KENOGAMI RIVER	ON	CAN	49.55	86.29	305	1.95	1988	97.5
7532630.0	1975	S	KENOGAMI RIVER	ON	CAN	49.55	86.29	305	2.57	1987	99.0
7532650.0	1975	S	KENOGAMI RIVER	ON	CAN	49.55	86.29	305	1.85	1988	65.8
7532660.0	1975	S	KENOGAMI RIVER	ON	CAN	49.55	86.29	305	2.18	1988	95.0
7532670.0	1975	S	KENOGAMI RIVER	ON	CAN	49.55	86.29	305	2.06	1988	83.0
7532680.0	1975	S	KENOGAMI RIVER	ON	CAN	49.55	86.29	305	2.41	1988	98.0
7532820.0	1975	S	MACKENZIE	ON	CAN	48.33	88.58	275	1.84	1989	7.0
7533160.0	1975	S	TWIST LAKE	ON	CAN	49.22	89.45	425	2.00	1989	3.2
7533180.0	1975	S	TWIST LAKE	ON	CAN	49.22	89.45	425	2.19	1988	29.3
7533310.0	1975	S	O'SULLIVAN LAKE	ON	CAN	50.32	87.01	335	1.95	1988	8.2
7533410.0	1975	S	LONG LAKE	ON	CAN	49.13	87.04	335	2.47	1988	29.5
7533470.0	1975	S	LONG LAKE	ON	CAN	49.13	87.04	335	2.85	1989	39.2
7533500.0	1975	S	LONG LAKE	ON	CAN	49.13	87.04	335	2.04	1988	22.5
7533520.0	1975	S	LONG LAKE	ON	CAN	49.13	87.04	335	2.10	1987	29.8
7533750.0	1975	S	ARNOTT TOWNSHIP	ON	CAN	49.37	84.35	275	2.82	1987	77.2
7533850.0	1975	S	NAKINA	ON	CAN	50.12	86.47	335	2.16	1988	7.5
7533920.0	1975	S	PARKS LAKE	ON	CAN	49.28	87.34	460	2.95	1987	88.6

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Park's Lake	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	Test: TSW PMs	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épinette blanche] (continued/suite)									
7533950.0	1975	S	PARKS LAKE	ON	CAN	49.28	87.34	460	1.79
7534070.0	1975	S	SHABAQUA CORNERS	ON	CAN	48.37	89.54	410	2.63
7534130.0	1975	S	ONAMAN RIVER	ON	CAN	50.02	87.39	305	2.21
7534160.0	1975	S	ONAMAN RIVER	ON	CAN	50.02	87.39	305	1.96
7534180.0	1975	S	ONAMAN RIVER	ON	CAN	50.02	87.39	305	1.82
7534190.0	1975	S	PAGWA	ON	CAN	49.46	85.25	245	2.52
7534210.0	1975	S	PAGWA	ON	CAN	49.46	85.25	245	2.41
7534240.0	1975	S	PAGWA	ON	CAN	49.46	85.25	245	2.38
7534260.0	1975	S	PAGWA	ON	CAN	49.46	85.25	245	2.27
7534280.0	1975	S	PAGWA	ON	CAN	49.46	85.25	245	2.46
7534290.0	1975	S	JELLI COE	ON	CAN	49.42	87.25	365	2.39
7534310.0	1975	S	JELLI COE	ON	CAN	49.42	87.25	365	1.88
7534350.0	1975	S	JELLI COE	ON	CAN	49.42	87.25	365	2.09
7534370.0	1975	S	JELLI COE	ON	CAN	49.42	87.25	365	2.26
7534450.0	1975	S	AUDEN	ON	CAN	50.09	87.53	335	1.88
7534460.0	1975	B	THUNDER BAY	ON	CAN	48.13	89.24	305	2.17
7534590.0	1975	B	THUNDER BAY	ON	CAN	48.58	88.37	305	2.00
7534620.0	1975	B	THUNDER BAY	ON	CAN	49.23	89.45	425	1.79
7534630.0	1975	B	GRAHAM	ON	CAN	49.15	90.35	490	1.69
7534640.0	1975	B	THUNDER BAY	ON	CAN	49.05	89.11	455	2.01
7561460.0	1975	B	ATHABASCA FOREST	AB	CAN	57.08	111.38	275	1.96
7614220.0	1976	N/A	PINEVALE	NS	CAN	45.29	61.58	150	2.31
7614240.0	1976	N/A	MCCRATH'S MTN.	NS	CAN	45.32	62.21	150	2.50
7630720.0	1976	B	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	160	2.59
7631090.0	1976	S	ALICE	ON	CAN	45.46	77.17	150	2.24
7631110.0	1976	S	ALICE	ON	CAN	45.46	77.17	150	2.53
7632000.0	1976	S	LORRAINE TOWNSHIP	ON	CAN	47.15	79.31	240	3.35
7632200.0	1976	S	PECK TOWNSHIP	ON	CAN	45.29	78.45	460	2.61
7632230.0	1976	S	PECK TOWNSHIP	ON	CAN	45.29	78.45	460	2.40
7632240.0	1976	S	BURK'S FALLS	ON	CAN	45.37	79.25	300	2.17
7632400.0	1976	S	BURK'S FALLS	ON	CAN	45.37	79.25	300	2.95
7632410.0	1976	S	BURK'S FALLS	ON	CAN	45.37	79.25	300	2.17
7632490.0	1976	S	CHISHOLM TOWNSHIP	ON	CAN	46.08	79.16	275	3.74
7632510.0	1976	S	CHISHOLM TOWNSHIP	ON	CAN	46.08	79.16	275	2.74
7632560.0	1976	S	CHISHOLM TOWNSHIP	ON	CAN	46.08	79.16	275	3.17
7632570.0	1976	S	CHISHOLM TOWNSHIP	ON	CAN	46.08	79.16	275	3.10
7632590.0	1976	S	MATTAWAN TOWNSHIP	ON	CAN	46.23	78.54	305	2.16
7632650.0	1976	S	MATTAWAN TOWNSHIP	ON	CAN	46.23	78.54	305	2.18
7632680.0	1976	S	MATTAWAN TOWNSHIP	ON	CAN	46.23	78.54	305	2.42
7632690.0	1976	S	MATTAWAN TOWNSHIP	ON	CAN	46.23	78.54	305	2.8

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année de récolte de semences	Collection Type de récolte	Prov. Country Code provincial de pays	Province Code	Country Code	Elevation/ Altitude (m)	Test: TSW PMs	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épine blanche] (continued/suite)									
7633050.0	1976	S	ON	CAN	46.14	79.08	245	2.53	1989
7633070.0	1976	S	ON	CAN	46.14	79.08	245	2.39	1989
7633080.0	1976	S	ON	CAN	46.14	79.08	245	1.92	1989
7633140.0	1976	S	ON	CAN	46.14	79.08	245	2.79	1989
7633160.0	1976	S	ON	CAN	48.29	80.25	290	2.50	1989
7633170.0	1976	S	ON	CAN	48.29	80.25	290	2.61	1989
7633180.0	1976	S	ON	CAN	48.29	80.25	290	2.50	1989
7633210.0	1976	S	ON	CAN	48.29	80.25	290	2.32	1985
7633220.0	1976	S	ON	CAN	48.29	80.25	290	2.16	1989
7633570.0	1976	S	ON	CAN	44.49	76.41	180	2.71	1989
7633590.0	1976	S	ON	CAN	44.49	76.41	180	3.27	1989
7633640.0	1976	S	ON	CAN	45.41	76.48	140	2.05	1989
7633650.0	1976	S	ON	CAN	45.41	76.48	140	2.20	1991
7633680.0	1976	S	ON	CAN	45.42	76.49	150	3.15	1989
7634460.0	1976	S	ON	CAN	46.01	77.26	145	1.96	1989
7655070.0	1976	B	SK	CAN	53.40	102.47	272	2.33	1986
7655110.0	1976	B	SK	CAN	53.46	107.50	567	2.15	1986
7655120.0	1976	B	SK	CAN	51.38	101.40	621	2.57	1986
7655160.0	1976	B	SK	CAN	53.45	105.12	494	2.08	1986
7665450.0	1976	S	AB	CAN	57.18	114.32	549	1.97	1985
7665460.0	1976	S	AB	CAN	57.18	114.32	549	1.75	1989
7665510.0	1976	S	AB	CAN	57.18	114.32	549	1.49	1989
7665520.0	1976	S	AB	CAN	57.18	114.32	549	2.14	1990
7665540.0	1976	S	AB	CAN	57.18	114.32	549	2.54	1990
7669330.0	1976	B	AB	CAN	57.18	114.32	549	2.09	1991
7730440.0	1977	S	ON	CAN	45.59	77.25	170	2.19	1988
7730470.0	1977	S	ON	CAN	45.58	77.25	160	2.65	1988
7730480.0	1977	S	ON	CAN	45.59	77.25	160	2.05	1988
7730490.0	1977	S	ON	CAN	45.59	77.25	160	2.54	1988
7730500.0	1977	S	ON	CAN	45.59	77.25	170	1.75	1988
7730510.0	1977	B	ON	CAN	46.00	77.26	170	2.42	1988
7730590.0	1977	S	ON	CAN	46.51	83.58	300	2.21	1987
7730960.0	1977	S	ON	CAN	46.20	82.30	250	1.71	1988
7731060.0	1977	S	ON	CAN	46.28	82.14	365	2.02	1988
7731100.0	1977	S	ON	CAN	46.27	81.22	275	2.23	1988
7731120.0	1977	S	ON	CAN	46.27	81.22	275	2.11	1988
7731140.0	1977	S	ON	CAN	46.27	81.22	275	2.07	1988
7731150.0	1977	S	ON	CAN	46.27	81.22	275	1.96	1986
7731260.0	1977	S	ON	CAN	46.19	81.39	215	2.21	1988
7731310.0	1977	S	ON	CAN	46.19	81.39	215	2.23	1986

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type	Prov. Code provincial	Country Code	Altitude (m)	TSW PMs	Year/ Année	Test: Germ.
<i>Picea glauca</i> [white spruce; épinette blanche] (continued/suite)								
7731600.0	1977	S DAHL TOWNSHIP	ON CAN	48.18	85.00	425	1.89	1987 40.5
7731620.0	1977	S DAHL TOWNSHIP	ON CAN	48.18	85.00	425	2.59	1988 50.5
7820730.0	1978	S THORNE TOWNSHIP	QC CAN	45.48	76.28	210	2.23	1989 81.0
7820740.0	1978	S THORNE TOWNSHIP	QC CAN	45.48	76.28	210	2.33	1989 79.5
7820750.0	1978	S THORNE TOWNSHIP	QC CAN	45.48	76.28	210	2.87	1988 95.5
7820760.0	1978	S THORNE TOWNSHIP	QC CAN	45.48	76.28	210	2.36	1988 99.0
7820920.0	1978	S OTTER LAKE	QC CAN	45.51	76.26	200	2.31	1987 99.2
7820930.0	1978	S OTTER LAKE	QC CAN	45.51	76.26	200	2.62	1990 95.5
7820940.0	1978	S OTTER LAKE	QC CAN	45.51	76.26	200	2.88	1987 98.8
7820950.0	1978	S OTTER LAKE	QC CAN	45.51	76.26	200	3.48	1990 95.0
7820960.0	1978	S OTTER LAKE	QC CAN	45.51	76.26	200	2.68	1987 100.0
7820970.0	1978	S OTTER LAKE	QC CAN	45.51	76.26	200	3.01	1987 99.0
7820980.0	1978	S OTTER LAKE	QC CAN	45.51	76.26	200	2.86	1988 97.3
7830810.0	1978	S PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.26	160	2.33	1988 96.8
7830820.0	1978	S PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.26	160	2.58	1988 96.2
7830840.0	1978	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.25	160	2.07	1986 96.0
7831460.0	1978	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.24	160	2.13	1986 33.0
7831470.0	1978	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.24	160	2.33	1990 96.2
7831570.0	1978	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.24	160	2.71	1990 88.5
7831580.0	1978	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.25	160	2.02	1986 98.0
7933060.0	1979	S SOUTH NATION RIVER	ON CAN	45.33	75.03	61	2.68	1989 33.5
7933080.0	1979	N/A	ON CAN	45.33	75.03	61	2.56	1989 61.8
7965049.0	1979	B DF 110-16-5-79	AB CAN	58.38	114.57	335	2.13	1991 92.5
7965050.0	1979	B DP 85-1-6-79	AB CAN	56.23	118.05	762	2.16	1991 89.0
8200564.0	1982	B CORMACK	NF CAN	49.20	57.19	90	2.88	1985 88.0
8200570.0	1982	B GOOSE BAY	NF CAN	53.20	60.10	10	2.14	1990 91.5
8200571.0	1982	B FRENCHMAN'S POND	NF CAN	48.53	55.53	180	2.85	1985 83.0
8210012.0	1982	B TROY	NS CAN	45.43	61.27	230	2.30	1997 79.5
8210013.0	1982	B CAMPBELL'S LAKE	NS CAN	43.46	65.18	60	2.33	1997 74.5
8210016.0	1982	B GAILLROCH MOUNTAIN	NS CAN	46.08	61.01	310	2.89	1997 41.5
8216134.0	1982	B VERNON BRIDGE	PE CAN	46.10	62.45			
8234400.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.28	200	2.13	1987 91.2
8234410.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.28	200	1.89	1987 98.5
8234420.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.28	200	1.99	1990 96.8
8234440.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.28	200	2.79	1990 92.2
8234450.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.57	77.28	200	2.36	1987 97.2
8234460.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.28	200	2.25	1990 98.8
8234470.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.28	200	2.18	1987 99.8
8234480.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.28	200	2.33	1987 98.0
8234490.0	1982	S PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.28	200	2.06	1987 95.8

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provenance	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
<i>Picea glauca</i> [white spruce; épinière blanche] (continued/suite)											
8234500.0	1982	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.59	77.28	200	2.30	1990	98.8
8266126.0	1982	B	DR 43-10-5-82	AB	CAN	52.43	115.40	1066	2.15	1991	98.0
8284650.0	1982	S	WASHINGTON COUNTY	ME	USA	44.45	67.15	3.53	1987	93.0	
8310004.0	1983	B	EASTVILLE	NS	CAN	45.17	62.54	90	2.55	1997	90.5
8310011.0	1983	B	THE FALLS - BALFRON	NS	CAN	45.38	63.12	85	2.62	1997	94.5
8310013.0	1983	B	WOODFIELD	NS	CAN	45.32	62.27	225	2.46	1997	75.5
8310051.0	1983	B	THE FALLS	NS	CAN	45.38	63.12	80	2.68	1997	85.5
8310052.0	1983	B	WOODFIELD	NS	CAN	45.32	62.23	210	2.22	1997	99.0
8310058.0	1983	B	SEAL RIVER	PE	CAN			2.12	1990	98.2	
8310059.0	1983	B	FOXLEY RIVER	PE	CAN			2.94	1990	90.8	
8400991.0	1984	B	MICHAELS BROOK	NF	CAN	48.48	56.20	210	3.30	1992	92.2
8411485.0	1984	B	COLES ISLAND	NB	CAN	45.55	65.48	15	3.03	1998	86.0
8411486.0	1984	B	WAPSKIE RIVER	NB	CAN	46.87	67.20	136	2.04	1998	84.5
8411487.0	1984	B	SAINT MARTINS	NB	CAN	45.26	65.25	167	2.10	1998	89.0
8411488.0	1984	B	RICHARD BROOK	NB	CAN	47.31	68.13	227	1.99	1998	86.0
8411649.0	1984	B	MIDDLE MUSQUODOBOIT	NS	CAN	45.02	63.09		2.45	1992	90.2
8411650.0	1984	B	FOREST GLEN	NS	CAN	45.04	65.55		2.28	1992	74.8
8411735.0	1984	B	WATSON BROOK	NB	CAN	47.31	68.13				78.0
8421491.0	1984	B	OXBOW	QC	CAN	46.25	68.30	60	2.51		
8421492.0	1984	B	SAINTE BLANDINE	QC	CAN	48.18	68.12	260	2.10		
8430100.0	1984	S	MCNAB 10	ON	CAN	45.28	76.27	129	2.19	1992	92.3
8430101.0	1984	S	MCNAB 10	ON	CAN	45.28	76.27	129	1.89	1992	97.5
8430104.0	1984	S	MCNAB 10	ON	CAN	45.28	76.27	129	1.78	1992	97.2
8430106.0	1984	S	JONES 2	ON	CAN	45.31	77.47	381	2.32	1992	98.8
8430107.0	1984	S	JONES 2	ON	CAN	45.31	77.47	381	2.04	1992	98.2
8430108.0	1984	S	JONES 2	ON	CAN	45.31	77.47	381	1.55	1992	97.0
8430109.0	1984	S	JONES 2	ON	CAN	45.31	77.47	381	1.27	1992	40.7
8430112.0	1984	S	JONES 2	ON	CAN	45.31	77.47	381	1.79	1992	95.8
8430113.0	1984	S	JONES 2	ON	CAN	45.31	77.47	381	1.59	1992	97.2
8430114.0	1984	S	JONES 2	ON	CAN	45.31	77.47	381	1.84	1992	97.8
8430115.0	1984	S	JONES 2	ON	CAN	45.31	77.47	381	2.07	1992	98.3
8430116.0	1984	S	HORTON 2	ON	CAN	45.27	76.42	154	1.85	1992	97.5
8430117.0	1984	S	HORTON 2	ON	CAN	45.27	76.42	154	1.65	1992	91.8
8430118.0	1984	S	HORTON 2	ON	CAN	45.27	76.42	154	2.06	1992	88.2
8430119.0	1984	S	HORTON 2	ON	CAN	45.27	76.42	154	2.29	1990	96.5
8430120.0	1984	S	HORTON 2	ON	CAN	45.27	76.42	154	2.13	1992	84.8
8430121.0	1984	S	HORTON 2	ON	CAN	45.27	76.42	154	2.25	1992	88.2
8430122.0	1984	S	HORTON 2	ON	CAN	45.27	76.42	154	1.46	1992	98.0
8430123.0	1984	S	HORTON 2	ON	CAN	45.27	76.42	154	1.67	1992	98.8
8430124.0	1984	S	STAFFORD 5	ON	CAN	45.45	77.03	137	1.77	1992	95.2

Seed Centre Number	Centre	Collection Year	Collection	Type	Province	Country	Elevation/Altitude	Test: TSW	Year/Année	% Germ.
Numéro de Centre de semences		Année de récolte	de récolte	Provenance	Code provincial	Code de pays	Latitude	PMS		
<i>Picea glauca</i> [white spruce; épinitte blanche] (continued/suite)										
8430126.0		1984	S	STAFFORD 5	ON	CAN	45.45	77.03	137	1.54
8430127.0		1984	S	STAFFORD 5	ON	CAN	45.45	77.03	137	1.50
8430128.0		1984	S	STAFFORD 5	ON	CAN	45.45	77.03	137	1.61
8430129.0		1984	S	STAFFORD 5	ON	CAN	45.45	77.03	137	1.63
8430130.0		1984	S	HORTON 4	ON	CAN	45.27	76.36	145	2.05
8430132.0		1984	S	BROMLEY 5	ON	CAN	45.37	76.56	152	2.22
8430133.0		1984	S	BROMLEY 5	ON	CAN	45.37	76.56	152	2.45
8430134.0		1984	S	BROMLEY 5	ON	CAN	45.37	76.56	152	1.44
8430147.0		1984	S	ADMASTON 9	ON	CAN	45.27	76.48	152	2.09
8430152.0		1984	S	ADMASTON 9	ON	CAN	45.27	76.48	152	1.42
8430153.0		1984	S	ADMASTON 9	ON	CAN	45.27	76.48	152	1.45
8430154.0		1984	S	ADMASTON 9	ON	CAN	45.27	76.48	152	1.85
8430155.0		1984	S	ADMASTON 9	ON	CAN	45.27	76.48	152	1.51
8430156.0		1984	S	ADMASTON 9	ON	CAN	45.27	76.48	152	1.61
8430157.0		1984	S	WILBERFORCE 11	ON	CAN	45.34	77.09	183	2.52
8430158.0		1984	S	WILBERFORCE 11	ON	CAN	45.34	77.09	183	2.06
8430159.0		1984	S	WILBERFORCE 11	ON	CAN	45.34	77.09	183	1.90
8430160.0		1984	S	WILBERFORCE 11	ON	CAN	45.34	77.09	183	2.22
8430161.0		1984	S	SOUTH ALGONA 6	ON	CAN	45.31	77.12	244	1.90
8430162.0		1984	S	SOUTH ALGONA 6	ON	CAN	45.31	77.12	244	1.87
8430165.0		1984	S	SOUTH ALGONA 6	ON	CAN	45.31	77.12	244	1.48
8430166.0		1984	S	SOUTH ALGONA 6	ON	CAN	45.31	77.12	244	1.90
8430167.0		1984	S	SOUTH ALGONA 6	ON	CAN	45.31	77.12	244	2.23
8430168.0		1984	S	SOUTH ALGONA 6	ON	CAN	45.31	77.12	244	2.20
8430169.0		1984	S	SOUTH ALGONA 6	ON	CAN	45.31	77.12	244	1.80
8430170.0		1984	S	SOUTH ALGONA 6	ON	CAN	45.31	77.12	244	1.90
8430171.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	77.14	229	1.30
8430172.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	77.14	229	1.68
8430173.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	77.14	229	1.65
8430174.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	77.14	229	1.73
8430175.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	77.14	229	1.55
8430176.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	76.53	152	2.03
8430177.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	77.14	229	1.55
8430179.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	77.14	229	1.65
8430180.0		1984	S	SOUTH ALGONA 7	ON	CAN	45.31	77.14	229	1.65
8430181.0		1984	S	ROSS 16	ON	CAN	45.37	76.53	152	2.40
8430183.0		1984	S	ROSS 16	ON	CAN	45.37	76.53	152	2.13
8430184.0		1984	S	ROSS 16	ON	CAN	45.37	76.53	152	1.60
8430187.0		1984	S	ROSS 16	ON	CAN	45.37	76.53	152	2.45
8430190.0		1984	S	ROSS 17	ON	CAN	45.37	76.49	183	1.53

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type	Provenance	Province	Country Code	Code provincial de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
<i>Picea glauca</i> [white spruce; épinette blanche] (continued/suite)												
8430191.0	1984	S	ROSS 17	ON	CAN	45.37	76.49	183	1.68	1991	91.0	
8430192.0	1984	S	ROSS 17	ON	CAN	45.37	76.49	183	1.95	1991	98.5	
8430193.0	1984	S	ROSS 17	ON	CAN	45.37	76.49	183	1.90	1991	99.7	
8430196.0	1984	S	ROSS 17	ON	CAN	45.37	76.49	183	1.65	1991	98.5	
8430198.0	1984	S	ROSS 20	ON	CAN	45.36	76.51	152	1.80	1991	96.5	
8430199.0	1984	S	ROSS 20	ON	CAN	45.36	76.51	152	1.50	1991	98.2	
8430200.0	1984	S	ROSS 20	ON	CAN	45.36	76.51	152	1.75	1991	97.8	
8430201.0	1984	S	ROSS 20	ON	CAN	45.36	76.51	152	1.40	1992	98.0	
8430202.0	1984	S	ROSS 20	ON	CAN	45.36	76.51	152	1.55	1991	98.5	
8430205.0	1984	S	ROSS 20	ON	CAN	45.36	76.51	152	1.40	1991	99.2	
8430215.0	1984	S	ROSS 7	ON	CAN	45.42	76.45	152	1.58	1991	98.7	
8430216.0	1984	S	ROSS 11	ON	CAN	45.42	76.47	128	1.78	1991	98.2	
8430218.0	1984	S	ROSS 11	ON	CAN	45.42	76.47	128	1.75	1991	99.0	
8430220.0	1984	S	ROSS 11	ON	CAN	45.42	76.47	128	1.85	1991	98.2	
8430221.0	1984	S	ROSS 11	ON	CAN	45.42	76.47	128	1.73	1991	97.5	
8430224.0	1984	S	ROSS 11	ON	CAN	45.42	76.47	128	2.25	1991	98.0	
8430225.0	1984	S	ROSS 13	ON	CAN	45.41	76.51	137	1.55	1991	94.2	
8430226.0	1984	S	ROSS 13	ON	CAN	45.41	76.51	137	1.93	1991	98.2	
8430229.0	1984	S	ROSS 13	ON	CAN	45.41	76.51	137	1.70	1991	98.2	
8430230.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	1.93	1991	94.8	
8430231.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	1.55	1992	86.0	
8430232.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	1.70	1991	96.5	
8430233.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	2.20	1991	99.0	
8430234.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	1.53	1991	94.5	
8430235.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	1.88	1991	98.5	
8430236.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	1.75	1991	97.8	
8430237.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	1.55	1991	99.2	
8430238.0	1984	S	ALICE 1	ON	CAN	45.48	77.15	168	2.48	1991	98.5	
8430239.0	1984	S	HORTON 5	ON	CAN	45.27	76.37	137	1.93	1991	88.0	
8430246.0	1984	S	MCNAB 7	ON	CAN	45.28	76.30	114	1.95	1991	97.5	
8430249.0	1984	S	MCNAB 7	ON	CAN	45.28	76.30	114	2.00	1992	97.8	
8430250.0	1984	S	MCNAB 7	ON	CAN	45.28	76.30	114	1.80	1991	98.0	
8430251.0	1984	S	MCNAB 7	ON	CAN	45.28	76.30	114	1.73	1991	73.0	
8430252.0	1984	S	MCNAB 7	ON	CAN	45.28	76.30	114	1.93	1991	99.2	
8430253.0	1984	S	MCNAB 7	ON	CAN	45.28	76.30	114	1.90	1991	98.2	
8430255.0	1984	S	MCNAB 7	ON	CAN	45.39	77.03	152	1.93	1991	98.5	
8430257.0	1984	S	MCNAB 7	ON	CAN	45.43	77.05	145	1.58	1985	98.0	
8430258.0	1984	S	BROMLEY 3	ON	CAN							
8430261.0	1984	S	STAFFORD 4	ON	CAN							
8430269.0	1984	S										

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provence	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
<i>Picea glauca</i> [white spruce, épinière blanche] (continued/suite)											
8430270.0	1984	S	STAFFORD 4	ON	CAN	45.43	77.05	145	1.83	1991	97.0
8430271.0	1984	S	STAFFORD 4	ON	CAN	45.43	77.05	145	1.85	1991	98.0
8430273.0	1984	S	STAFFORD 4	ON	CAN	45.43	77.05	145	1.80	1991	98.5
8430274.0	1984	S	STAFFORD 4	ON	CAN	45.43	77.05	145	1.70	1991	95.8
8430275.0	1984	S	STAFFORD 4	ON	CAN	45.43	77.05	145	1.63	1991	99.8
8430277.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	2.70	1991	95.5
8430278.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	1.80	1991	99.0
8430279.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	1.80	1991	97.8
8430280.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	2.60	1991	99.0
8430282.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	1.70	1991	99.8
8430283.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	1.65	1991	98.2
8430284.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	1.55	1991	96.8
8430285.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	1.68	1991	97.0
8430286.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	1.45	1991	97.8
8430287.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	2.33	1991	98.5
8430288.0	1984	S	PEMBROKE 2	ON	CAN	45.49	77.04	114	1.43	1991	96.0
8430289.0	1984	S	PEMBROKE 3	ON	CAN	45.48	77.03	114	2.00	1991	96.0
8430291.0	1984	S	PEMBROKE 3	ON	CAN	45.48	77.03	114	1.83	1992	96.5
8430292.0	1984	S	PEMBROKE 3	ON	CAN	45.48	77.03	114	1.30	1991	99.0
8430303.0	1984	S	PEMBROKE 4	ON	CAN	45.47	77.04	137	1.80	1991	98.5
8430304.0	1984	S	PEMBROKE 4	ON	CAN	45.47	77.04	137	2.28	1991	76.0
8430307.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	1.55	1991	97.8
8430308.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	2.13	1991	95.5
8430309.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	1.65	1991	90.2
8430310.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	2.18	1991	97.5
8430312.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	1.58	1991	99.2
8430313.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	2.30	1991	96.8
8430314.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	1.65	1991	99.8
8430316.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	1.87	1991	97.8
8430317.0	1984	S	WESTMEATH 4	ON	CAN	45.53	76.54	122	1.83	1991	98.8
8430318.0	1984	S	WESTMEATH 9	ON	CAN	45.51	76.47	122	1.65	1991	97.5
8430319.0	1984	S	WESTMEATH 9	ON	CAN	45.51	76.47	122	2.10	1991	99.0
8430321.0	1984	S	WESTMEATH 9	ON	CAN	45.51	76.47	122	1.80	1991	97.0
8430322.0	1984	S	WESTMEATH 9	ON	CAN	45.51	76.47	122	1.63	1991	99.5
8430323.0	1984	S	WESTMEATH 9	ON	CAN	45.51	76.47	122	1.63	1991	95.5
8430325.0	1984	S	WESTMEATH 9	ON	CAN	45.51	76.47	122	1.80	1991	94.2
8430326.0	1984	S	WESTMEATH 9	ON	CAN	45.51	76.47	122	1.95	1991	98.8
8430327.0	1984	S	WESTMEATH 9	ON	CAN	45.51	76.47	122	1.95	1991	98.5
8430328.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	1.33	1991	96.5
8430330.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	1.80	1992	93.2

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Type de récolte	Provenance	Province provincial de pays	Country Code	Code provincial	Elevation/ Altitude (m)	TSW PMS	Year/ Année	% Germ.	Test:
<i>Picea glauca</i> [white spruce; épинette blanche] (continued/suite)												
8430331.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	2.08	1992	97.2	
8430334.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	1.50	1992	98.5	
8430335.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	1.75	1992	98.5	
8430337.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	1.83	1991	98.8	
8430339.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	2.38	1985	96.5	
8430340.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	2.43	1991	97.8	
8430341.0	1984	S	WESTMEATH 10	ON	CAN	45.52	76.47	107	1.78	1992	98.8	
8430342.0	1984	S	WESTMEATH 12	ON	CAN	45.50	76.50	122	2.05	1992	97.8	
8430347.0	1984	S	WESTMEATH 12	ON	CAN	45.50	76.50	122	2.03	1992	83.2	
8430349.0	1984	S	WESTMEATH 13	ON	CAN	45.50	76.53	122	1.62	1992	98.5	
8430350.0	1984	S	WESTMEATH 13	ON	CAN	45.50	76.53	122	2.05	1992	99.2	
8430351.0	1984	S	WESTMEATH 13	ON	CAN	45.50	76.53	122	1.45	1992	96.0	
8430353.0	1984	S	WESTMEATH 13	ON	CAN	45.50	76.53	122	1.65	1991	99.0	
8430354.0	1984	S	WESTMEATH 13	ON	CAN	45.50	76.53	122	1.40	1991	97.8	
8430358.0	1984	S	WESTMEATH 13	ON	CAN	45.50	76.53	122	2.10	1992	96.7	
8430359.0	1984	S	WESTMEATH 13	ON	CAN	45.50	76.53	122	1.85	1992	97.2	
8430369.0	1984	S	WESTMEATH 14	ON	CAN	45.46	76.53	137	1.65	1991	99.0	
8430371.0	1984	S	WESTMEATH 14	ON	CAN	45.46	76.53	137	2.15	1991	97.5	
8430373.0	1984	S	WESTMEATH 20	ON	CAN	45.44	76.59	137	1.63	1992	97.8	
8430376.0	1984	S	WESTMEATH 20	ON	CAN	45.44	76.59	137	1.83	1991	98.5	
8430377.0	1984	S	WESTMEATH 20	ON	CAN	45.44	76.59	137	1.55	1991	99.0	
8430379.0	1984	S	WESTMEATH 21	ON	CAN	45.44	76.59	137	2.94	1991	96.5	
8430383.0	1984	S	WESTMEATH 21	ON	CAN	45.44	77.00	168	1.85	1991	97.0	
8430385.0	1984	S	WESTMEATH 21	ON	CAN	45.44	77.00	168	1.95	1992	96.0	
8430388.0	1984	S	WESTMEATH 21	ON	CAN	45.44	77.00	168	1.53	1991	100.0	
8431427.0	1984	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.61	1992	87.2	
8431428.0	1984	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.65	1991	83.0	
8431429.0	1984	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26	150	1.24	1991	61.8	
8431431.0	1984	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25	150	1.42	1992	91.8	
8431432.0	1984	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25	150	1.54	1992	96.2	
8431434.0	1984	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24	160	1.65	1992	86.0	
8431435.0	1984	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.24	160	1.38	1991	85.0	
8431436.0	1984	S	PETAWAWA NAT. FOR. INST.	ON	CAN	45.58	77.25	150	1.74	1992	85.0	
8431483.0	1984	B	DIALLEL 331	ON	CAN	46.00	77.20	182	1.83	1997	97.5	
8510018.0	1985	B	GAIRLOCH	NS	CAN	46.08	61.00	350	2.35	1997	75.0	
8560053.0	1985	B	ROCKY DISTRICT	AB	CAN	52.14	115.18	1160	2.01	1991	96.0	
8560054.0	1985	B	ROCKY DISTRICT	AB	CAN	51.33	114.45	1219	1.74	1991	92.2	
8560222.0	1985	B	DB 30-5-5-85	NF	CAN	48.46	56.22	225	3.01	1987	87.5	
8600517.0	1986	B	MICHAEL'S BROOK	BC	CAN	52.50	125.00	0.00	1.991	1991	97.2	
8670155.0	1986	B	PRINCE GEORGE	BC	CAN							

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type	Provenance	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMs	Year/ Année	% Germ.	Test:
<i>Picea glauca</i> [white spruce; épineuse blanche] (continued/suite)												
8760181.0	1987	S	LAC LA BIRCHE FOREST	AB	CAN	56.09	112.34	466	2.45	1993	97.5	
8760182.0	1987	S	LAC LA BIRCHE FOREST	AB	CAN	56.09	112.34	466	2.08	1993	89.0	
8760183.0	1987	S	LAC LA BIRCHE FOREST	AB	CAN	56.09	112.34	466	2.43	1992	99.0	
8760184.0	1987	S	LAC LA BIRCHE FOREST	AB	CAN	56.09	112.34	466	2.25	1993	83.5	
8760187.0	1987	S	LAC LA BIRCHE FOREST	AB	CAN	56.09	112.34	466	2.85	1989	95.3	
8760188.0	1987	S	LAC LA BIRCHE FOREST	AB	CAN	56.09	112.34	466	4.5	1989	69.5	
8800683.0	1988	B	SHEAVES COVE	NF	CAN	48.01	59.04	100	2.88	1989	78.5	
8800684.0	1988	B	LITTLE RAPIDS	NF	CAN	48.58	57.45	267	2.82	1989	84.8	
8800685.0	1988	B	CORMACK	NF	CAN	49.20	58.20	15	3.08	1989	84.0	
8800686.0	1988	B	BLACK BANK	NF	CAN	48.28	58.25	10	2.49	1989	82.2	
8800687.0	1988	B	ST. ANTHONY	NF	CAN	51.25	55.20	300	2.65	1989	80.8	
8800688.0	1988	B	MICHAEL'S BROOK	NF	CAN	48.46	56.19	50	2.61	1989	73.5	
8800689.0	1988	B	CAPE ST. GEORGE	NF	CAN	48.13	59.14	300	2.72	1989	83.2	
8800690.0	1988	B	MICHAEL'S BROOK	NF	CAN	48.46	56.19	75	2.89	1989	85.2	
8800691.0	1988	B	SOUTHWEST BROOK	NF	CAN	48.29	58.08	267	2.75	1989	76.5	
8800692.0	1988	B	CORMACK	NF	CAN	49.20	58.20	270	2.85	1989	72.5	
8800694.0	1988	B	MILTON	NF	CAN	53.58	48.13	900	2.94	1989	89.0	
8800695.0	1988	B	GOOSE ARM	NF	CAN	49.18	58.35	25	2.74	1989	82.5	
8800696.0	1988	B	PORT SAUNDERS	NF	CAN	50.47	57.40	75	2.92	1989	88.8	
8800697.0	1988	B	SOUTHWEST BROOK	NF	CAN	48.29	58.08	100	3.04	1989	87.8	
8800698.0	1988	B	WOODY POINT	NF	CAN	49.25	57.55	122	2.67	1989	85.0	
8800699.0	1988	B	CORMACK	NF	CAN	49.20	58.20	75	2.88	1997	43.0	
8810015.0	1988	B	FAIRMONT	NS	CAN	45.22	62.10	122	2.24	1997	84.5	
8810016.0	1988	B	DUFFERIN MINES	NS	CAN	45.10	62.23	75	2.88	1997	88.5	
8810017.0	1988	B	KELLY LAKE	NS	CAN	45.03	62.20	30	2.84	1997	81.0	
8810018.0	1988	B	MCKAY SIDING	NS	CAN	45.10	63.17	80	2.51	1997	40.5	
8810019.0	1988	B	FORT ELLIS	NS	CAN	45.10	63.20	30	2.47	1997	95.5	
8810020.0	1988	B	TIDNISH	NS	CAN	46.01	64.01	10	2.19	1997	91.5	
8810021.0	1988	B	HAWTHORNE	NS	CAN	45.09	61.28	91	2.43	1997	31.5	
8810022.0	1988	B	MONASTERY	NS	CAN	45.22	61.37	61	2.22	1997	53.0	
8810023.0	1988	B	NORTH GRANT	NS	CAN	45.40	62.01	122	2.45	1997	45.0	
8810024.0	1988	B	PLEASANT VALLEY	NS	CAN	45.41	62.03	150	2.57	1997	94.0	
8810025.0	1988	B	LOCH KATRINE	NS	CAN	45.26	61.56	50	2.13	1997	90.5	
8810027.0	1988	B	GREENFIELD	NS	CAN	44.45	64.35	250	2.24	1997	66.0	
8810028.0	1988	B	ONSLOW MOUNTAIN	NS	CAN	45.47	63.17	60	2.00	1997	87.0	
8810029.0	1988	B	WARWICK MOUNTAIN	NS	CAN	45.37	63.24	183	2.60	1997	82.5	
8810030.0	1988	B	THE FALLS	NS	CAN	45.37	63.14	100	2.36	1997	94.0	
8810031.0	1988	B	VALLEY CROSS ROADS	NS	CAN	45.23	63.12	30	2.78	1997	88.0	
8810032.0	1988	B	WILSON FALLS	NS	CAN	45.01	62.18	100	2.86	1997	82.5	
8810033.0	1988	B	KILLAG MINES	NS	CAN	45.00	62.36					

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Type de récolte	Provenance	Province provincial	Country Code	Country Code	Elevation/ Altitude (m)	Test: TSW PMs	Year/ Année	% Germ.
<i>Picea glauca</i> [white spruce; épинette blanche] (continued/suite)											
8810034.0	1988	B	NORTH RIVER	BS	CAN	45.25	63.12	100	2.05	1997	88.5
8810035.0	1988	B	MILFORD STATION	NS	CAN	44.55	63.26	30	2.22	1997	72.0
8810036.0	1988	B	BROOKFIELD	NS	CAN	45.35	63.17	100	2.37	1997	76.0
8810037.0	1988	B	CAPE MABOU	NS	CAN	46.09	61.26	350	2.23	1997	62.0
8810038.0	1988	B	GAIRLOCH	NS	CAN	45.29	62.49	152	2.03	1997	60.0
8810039.0	1988	B	PONY'S POINT	NS	CAN	46.01	61.47	30	1.93	1997	79.5
8810045.0	1988	B	WEST LOCHABER	NS	CAN	45.24	62.02	31	2.47	1997	85.0
88111352.0	1988	B	GILLIS POINT	NS	CAN	46.01	60.45	60			76.0
8820068.0	1988	B	SAINTE ANGELE	QC	CAN	48.30	68.00	250	3.07	1989	95.5
8830282.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		2.11	1989	93.5
8830283.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		1.98	1989	98.2
8830284.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		2.26	1989	97.8
8830285.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		2.42	1989	96.0
8830286.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		2.12	1989	95.8
8830287.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		1.88	1989	97.5
8830288.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		2.06	1989	93.5
8830289.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		3.19	1989	97.5
8830291.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		2.20	1989	97.8
8830292.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		2.45	1989	85.0
8830293.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		1.60	1989	98.5
8830294.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		1.97	1989	72.0
8830295.0	1988	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.25		2.13	1989	95.8
8830296.0	1988	B	HARFORD	ON	CAN	45.08	78.27	550	2.61	1989	90.2
9170002.0	1991	N/A	RUSTY CREEK	BC	CAN	63.23	136.25		2.05	1997	37.5
9230171.0	1992	S	ELIZABETH BAY	ON	CAN	45.49	82.45		1.70	1993	97.8
9230172.0	1992	S	ELIZABETH BAY	ON	CAN	45.49	82.45		2.78	1993	98.0
9230173.0	1992	S	ELIZABETH BAY	ON	CAN	45.49	82.45		1.83	1993	96.0
9230174.0	1992	S	ELIZABETH BAY	ON	CAN	45.49	82.45		1.65	1993	96.0
9230175.0	1992	S	ELIZABETH BAY	ON	CAN	45.49	82.45		2.18	1993	96.5
9230177.0	1992	S	ELIZABETH BAY	ON	CAN	45.59	82.45		1.85	1993	98.8
9230178.0	1992	S	ELIZABETH BAY	ON	CAN	45.49	82.45		2.23	1993	91.2
9230179.0	1992	S	ELIZABETH BAY	ON	CAN	45.49	82.45		2.18	1993	89.0
9230180.0	1992	S	ELIZABETH BAY	ON	CAN	45.49	82.45		2.05	1993	97.2
9230183.0	1992	S	TOBACCO LAKE	ON	CAN	45.51	82.26		2.45	1993	96.5
9230184.0	1992	S	TOBACCO LAKE	ON	CAN	45.51	82.26		1.98	1993	95.5
9230185.0	1992	S	TOBACCO LAKE	ON	CAN	45.51	82.26		2.21	1993	92.8
9230186.0	1992	S	TOBACCO LAKE	ON	CAN	45.51	82.26		2.54	1993	98.5
9230187.0	1992	S	TOBACCO LAKE	ON	CAN	45.51	82.26		2.20	1993	98.0
9230188.0	1992	S	TOBACCO LAKE	ON	CAN	45.51	82.26		1.93	1993	98.5
9230189.0	1992	S	TOBACCO LAKE	ON	CAN	45.51	82.26		2.19	1993	97.5

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Provenance	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	% Germ.	Test:
<i>Picea glauca</i> [white spruce; épineuse blanche] (continued/suite)												
99230190.0	1992	S	TOBACCO LAKE	ON CAN	45.51	82.26	2.14	1993	98.5			
9230191.0	1992	S	MELDRUM BAY	ON CAN	45.56	83.07	2.06	1993	88.0			
9230192.0	1992	S	MELDRUM BAY	ON CAN	45.56	83.07	2.60	1993	97.2			
9230194.0	1992	S	MELDRUM BAY	ON CAN	45.56	83.07	2.20	1993	96.5			
9230195.0	1992	S	MELDRUM BAY	ON CAN	45.56	83.07	1.95	1993	93.5			
9230196.0	1992	S	MELDRUM BAY	ON CAN	45.56	83.07	2.45	1993	97.5			
9230198.0	1992	S	MELDRUM BAY	ON CAN	45.56	83.07	2.71	1993	99.0			
9230199.0	1992	S	MELDRUM BAY	ON CAN	45.56	83.07	1.92	1993	98.2			
9230201.0	1992	S	MELDRUM BAY	ON CAN	45.56	83.07	1.90	1993	98.0			
9230202.0	1992	S	KABONI	ON CAN	45.43	81.43	2.11	1993	96.8			
9230203.0	1992	S	KABONI	ON CAN	45.43	81.43	2.34	1993	97.8			
9230204.0	1992	S	KABONI	ON CAN	45.43	81.43	2.38	1993	85.2			
9230205.0	1992	S	KABONI	ON CAN	45.43	81.43	2.35	1993	97.0			
9230206.0	1992	S	KABONI	ON CAN	45.43	81.43	2.54	1993	95.8			
9230208.0	1992	S	KABONI	ON CAN	45.43	81.43	2.60	1993	84.7			
9230210.0	1992	S	KABONI	ON CAN	45.43	81.43	2.17	1993	98.5			
9230211.0	1992	S	WEST BAY	ON CAN	45.50	82.10	1.91	1993	95.5			
9230212.0	1992	S	WEST BAY	ON CAN	45.50	82.10	2.54	1993	97.8			
9230213.0	1992	S	WEST BAY	ON CAN	45.50	82.10	2.83	1993	82.2			
9230214.0	1992	S	WEST BAY	ON CAN	45.50	82.10	1.57	1993	97.8			
9230215.0	1992	S	WEST BAY	ON CAN	45.50	82.10	1.99	1993	96.0			
9230216.0	1992	S	WEST BAY	ON CAN	45.50	82.10	1.75	1993	98.0			
9230217.0	1992	S	WEST BAY	ON CAN	45.50	82.10	1.98	1993	95.0			
9230219.0	1992	S	WEST BAY	ON CAN	45.50	82.10	2.00	1993	91.0			
9230220.0	1992	S	WEST BAY	ON CAN	45.50	82.10	2.72	1993	93.0			
9230221.0	1992	S	TEHKUMMAH	ON CAN	45.39	82.01	2.50	1993	95.2			
9230222.0	1992	S	TEHKUMMAH	ON CAN	45.39	82.01	2.36	1993	86.0			
9230224.0	1992	S	TEHKUMMAH	ON CAN	45.39	82.01	3.07	1993	97.0			
9230225.0	1992	S	TEHKUMMAH	ON CAN	45.39	82.01	2.49	1993	95.0			
9230226.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16	2.10	1993	79.7			
9230227.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16	2.13	1993	95.5			
9230229.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16	2.34	1993	92.3			
9230230.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16	2.41	1993	96.0			
9230231.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16	1.77	1993	96.5			
9230232.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16	1.97	1993	85.2			
9230234.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16	2.80	1993	97.2			
9230235.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16						
9230236.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16						
9230238.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16						
9230239.0	1992	S	PROVIDENCE BAY	ON CAN	45.40	82.16						

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année	Collection Type		Province Code	Country Code	Elevation/ Altitude (m)	Test: TSW	Year/ PMS	Année Germ.
	de semences	de récolte	de récolte	provincial de pays	Latitude	Longitude			
<i>Picea glauca</i> [white spruce; épine blanche] (continued/suite)									
9230241.0	1992	S	QUANJA LAKE	ON	CAN	45.35	81.49	2.22	1993
9230242.0	1992	S	QUANJA LAKE	ON	CAN	45.35	81.49	1.96	1993
9230243.0	1992	S	QUANJA LAKE	ON	CAN	45.35	81.49	2.76	1993
9230245.0	1992	S	QUANJA LAKE	ON	CAN	45.35	81.49	2.40	1993
9230246.0	1992	S	QUANJA LAKE	ON	CAN	45.35	81.49	2.18	1993
9230247.0	1992	S	QUANJA LAKE	ON	CAN	45.35	81.49	1.71	1993
9230250.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.94	1993
9230252.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.06	1993
9230253.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.11	1993
9230255.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.69	1993
9230256.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.97	1993
9230257.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.98	1993
9230258.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.41	1993
9230259.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.46	1993
9230260.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.00	1993
9230261.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.92	1993
9230262.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.88	1993
9230264.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.00	1993
9230265.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.60	1993
9230266.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.37	1993
9230267.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.06	1993
9230268.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.09	1993
9230270.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.07	1993
9230271.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.59	1993
9230272.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.08	1993
9230273.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.01	1992
9230275.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.36	1993
9230276.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.44	1993
9230277.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.85	1993
9230278.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.38	1993
9230279.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.22	1993
9230282.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.35	1993
9230284.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.66	1993
9230288.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.34	1993
9230289.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.34	1993
9230291.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.79	1993
9230294.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	1.94	1993
9230295.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.19	1993
9230296.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.34	1993
9230297.0	1992	S	PRARIE POINT	ON	CAN	45.52	81.41	2.57	1993

Seed Centre Number/	Centre	Year/	Collection	Province	Country	Elevation/	Test:
Numéro de Centre	Année	Type	Provenance	Code provincial	Code	Altitude	Year/
de semences	de récolte	de récolte		de pays	Code	(m)	Année
<i>Picea glauca</i> [white spruce; épinitte blanche] (continued/suite)							
9230299.0	1992	S	PRairie POINT	ON	CAN	45.52	97.8
9230300.0	1992	S	PRairie POINT	ON	CAN	45.52	95.5
9230301.0	1992	S	PRairie POINT	ON	CAN	45.52	95.2
9230302.0	1992	S	PRairie POINT	ON	CAN	45.52	96.5
9230304.0	1992	S	PRairie POINT	ON	CAN	45.52	96.8
9230305.0	1992	S	PRairie POINT	ON	CAN	45.52	98.5
9230306.0	1992	S	PRairie POINT	ON	CAN	45.52	95.0
9230308.0	1992	S	PRairie POINT	ON	CAN	45.52	98.8
9230312.0	1992	S	PRairie POINT	ON	CAN	45.52	97.5
9230313.0	1992	S	PRairie POINT	ON	CAN	45.52	97.3
9230314.0	1992	S	PRairie POINT	ON	CAN	45.52	96.5
9230316.0	1992	S	PRairie POINT	ON	CAN	45.52	92.0
9230317.0	1992	S	PRairie POINT	ON	CAN	45.52	91.8
9230319.0	1992	S	PRairie POINT	ON	CAN	45.52	95.5
9230320.0	1992	S	PRairie POINT	ON	CAN	45.52	99.5
9230322.0	1992	S	PRairie POINT	ON	CAN	45.52	95.8
9230323.0	1992	S	PRairie POINT	ON	CAN	45.52	98.5
9230324.0	1992	S	PRairie POINT	ON	CAN	45.52	92.5
9230325.0	1992	S	PRairie POINT	ON	CAN	45.52	89.8
9230326.0	1992	S	PRairie POINT	ON	CAN	45.52	91.5
9230328.0	1992	S	PRairie POINT	ON	CAN	45.52	94.5
9230329.0	1992	S	PRairie POINT	ON	CAN	45.52	94.0
9230338.0	1992	S	PRairie POINT	ON	CAN	45.52	2.06
9230342.0	1992	S	PRairie POINT	ON	CAN	45.52	2.16
9270114.0	N/A	Watson Lake	BC	CAN	60.03	128.51	97.8
9275443.0	1992	B	Watson Lake	YT	CAN	60.00	128.50
9500000.0	1995	N/A	Triton Brook	NF	CAN	48.35	90
9500001.0	1995	N/A	Port Saunders	NF	CAN	50.38	57.18
9500002.0	1995	N/A	St. Georges	NF	CAN	48.24	58.30
9500003.0	1995	N/A	Michael's Brook	NF	CAN	48.45	56.20
<i>Picea glauca x engelmannii</i> [interior spruce]							
7970002.0	1979	N/A	Willow River	BC	CAN	53.53	762
8370000.0	1983	N/A	Pass Lake	BC	CAN	54.03	122.16
8560027.0	1985	B	Rocky Mountain House	AB	CAN	52.33	121.23
8870000.0	1988	B	Ainslie Creek	BC	CAN	50.02	115.56
9370000.0	1993	N/A	Breed Arb. Vernon	BC	CAN	53.36	121.22
9560004.0	1995	B	Hillcrest Creek	AB	CAN	49.28	114.29

Seed Centre Number/ Coll. Year/ Année de semences	Collection Type de récolte	Provence	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	Test: TSW Year/ PMS Année Germ.			
Picea glauca x mariana	S	ON	CAN	1.86 1.20 1.36	1997 1997 1997	97.0 37.0 86.0			
8430863.1	1984	ON	CAN						
8430864.1	1984	ON	CAN						
8430865.1	1984	ON	CAN						
Picea glehnii [Saghalin spruce]	N/A	HOKKAIDO PREFECTURE URYN EXPERIMENTAL FOREST	JPN	42.50 44.07	142.22 142.07	380 135	3.36 3.76	1989 1997	90.8 73.0
8380867.0	1983								
8380875.0	1983								
Picea jezoensis [Yeddo spruce]	N/A	TOSHIKO EXPERIMENTAL FOREST	JPN	45.10	142.03	115	1.87	1997	31.0
9380001.0	1993								
Picea koraiensis	N/A	YICHUN,HEILONGJIANG PROV INNER MONGOLIA PROV. HEILONGJIANG PROVINCE	CHN	47.00 40.00 47.00	129.00 110.00 127.00	240	6.21 5.87 6.05	1990 1985 1990	88.8 80.0 88.5
8380663.0	1983								
8480977.0	1984								
8480978.0	1984								
Picea mariana [black spruce; épinette noire]	B	CORMACK GOOSE BAY INDIAN BAY	NF	49.20 53.17 49.04	58.20 60.25 53.54		1.54	1990	99.0
1100035.0									
1100036.0									
1100037.0									
6931237.0	1969	B KENORA - MB BORDER AREA	ON	CAN			1.07	1990	87.8
7136324.0	1971	B THUNDER BAY - F. FRANCIS	ON	CAN			1.43	1990	97.0
7237522.0	1972	B OMNR SITE REGION 5300	ON	CAN			1.06	1993	97.2
7437538.0	1974	B DRYDEN - KENORA AREA	ON	CAN			0.96	1993	97.5
75311556.0	1975	B DRYDEN - KENORA AREA	ON	CAN			0.95	1990	97.5
75311557.0	1975	B KENORA - MB BORDER AREA	ON	CAN			1.10	1993	99.0
75311558.0	1975	B THUNDER BAY - F. FRANCIS	ON	CAN			1.07	1993	97.0
7669448.0	1976	B GROUARD MISSION	AB	CAN			1.18	1993	97.2
7904710.0	1979	B SWIFT CURRENT	NF	CAN			1.28	1991	65.8
8002040.0	1980	B SKIPINS RIDGE	NF	CAN			1.46	1991	94.5
8002050.0	1980	B CARMANVILLE	NF	CAN			1.54	1990	85.0
8002060.0	1980	B INDIAN BAY	NF	CAN			1.46	1990	94.5
8002070.0	1980	B MINT BROOK	NF	CAN			1.42	1990	87.0
8120145.0	1981	B CHICOUTIMI	QC	CAN			1.37	1990	88.0
8200565.0	1982	B CORMACK	NF	CAN			1.24	1990	96.5
8200566.0	1982	B EASTERN CHAIN LAKES	NF	CAN			1.59	1990	97.5
8200567.0	1982	B HEAD POND	NF	CAN			1.40	1989	93.0
8200568.0	1982	B BAIE VERTE JUNCTION	NF	CAN			1.53	1990	93.5
8200569.0	1982	B BURNT BERRY	NF	CAN			1.54	1990	91.8
8210031.0	1982	B ECUM SECUM	NS	CAN			1.61	1990	97.0
							1.36	1997	100.0

Seed Centre Number/	Centre	Collection Year/	Collection	Province	Country	Elevation/	Test:
Número de Centre	de semences	Année de récolte	Type de récolte	Code provincial	Code pays	Altitude (m)	Year/ PMS
<i>Picea mariana</i> [black spruce; épinette noire] (continued/suite)							
8210032.0		1982	B	NS	CAN	44.52	1.32
8210034.0		1982	B	NS	CAN	45.58	1.41
8210039.0		1982	B	NB	CAN	47.14	1.41
8210042.0		1982	B	NB	CAN	47.22	1.31
8210043.0		1982	B	NB	CAN	46.48	1.63
8233210.0		1982	B	ON	CAN	47.30	0.97
8233230.0		1982	B	ON	CAN	47.52	0.87
8233250.0		1982	B	ON	CAN	47.52	0.87
8233260.0		1982	B	ON	CAN	47.52	0.90
8233270.0		1982	B	ON	CAN	49.30	0.93
8236132.0		1982	B	ON	CAN	49.30	0.91
8236133.0		1982	B	ON	CAN	1.12	0.90
8310644.0		1983	B	PE	CAN	46.17	1.09
8310645.0		1983	B	PE	CAN	46.16	1.35
8310646.0		1983	B	PE	CAN	46.32	45
8410969.0		1984	B	NS	CAN	45.11	1.60
8410994.0		1984	B	NS	CAN	45.02	30
8411452.0		1984	B	NS	CAN	45.06	1.60
8411484.0		1984	B	NB	CAN	46.32	1.60
8430076.0		1984	B	ON	CAN	49.24	1.31
8430079.0		1984	B	ON	CAN	49.16	61
8430080.0		1984	B	ON	CAN	49.29	1.24
8431459.0		1984	B	ON	CAN	49.29	76
8431504.0		1984	B	ON	CAN	49.29	1.00
8431504.1		1984	B	ON	CAN	49.29	1.97
8431733.0		1984	B	ON	CAN	49.29	1.97
8431734.0		1984	B	ON	CAN	49.29	1.97
8470097.0		1984	N/A	BC	CAN	49.10	1.04
8510021.0		1985	B	NS	CAN	45.12	1.07
8510023.0		1985	B	NS	CAN	45.10	350
8550173.0		1985	N/A	SK	CAN	57.45	1.25
8550174.0		1985	N/A	SK	CAN	58.06	122
8550176.0		1985	N/A	SK	CAN	58.05	1.39
8600518.0		1986	B	NF	CAN	49.20	120
8610123.0		1986	B	NB	CAN	47.57	152
8610130.0		1986	B	NB	CAN	46.25	150
8610131.0		1986	B	NB	CAN	47.00	1.36
8610132.0		1986	B	NB	CAN	66.43	150
8630180.0		1986	B	ON	CAN	53.00	227
8710008.0		1987	B	NS	CAN	45.45	1.48
						65.51	394
						65.51	12.4
						91.20	1.43
						60.22	1.43
						30	1.42
							99.5

Seed Centre Number/	Centre	Collection Year/	Collection	Type	Province	Country	Elevation/	Test:
Número de Centre	Année de semences	Année	Type	Provenance	Code provincial	Code de pays	Altitude (m)	Year/ %
de semences	de récolte	de récolte	de récolte	Provence	Code	Code de pays	PMS	Année Germ.
<i>Picea pungens</i> var. <i>glauca</i> [Colorado blue spruce; épiniette du Colorado]								
6080054.0	1960	N/A	KAIBAB FOREST	AZ	USA	36.37	112.15	4.05 1990 53.0
8283450.0	1982	N/A	CLEAR CREEK, SANTA FE	NM	USA	35.30	106.00	4.46 1990 60.5
<i>Picea rubens</i> [red spruce; épiniette rouge]								
1120630.1	N/A	FARNHAM	QC	CAN	45.17	72.58	620	4.16 1997 46.0
1188600.1	N/A	NEVERSINK	NY	USA	41.57	74.55		3.60 1997 82.3
1188610.1	N/A	ROCKLAND	NY	CAN	45.18	64.24		3.81 1997 82.3
5210520.0	1952	B	SCOTS BAY	NS	CAN	44.14		2.79 1989 12.8
5210530.0	1952	B	CORBERRIE	NS	CAN	43.05		2.85 1989 13.0
5380610.1	1953	N/A	ANDOPPA FOREST	NH	USA	43.05	72.07	360
5620010.0	1956	B	LAC-EDOUARD	QC	CAN	46.45	72.55	300
5620520.0	1956	B	LAC-EDOUARD	QC	CAN	46.45	72.55	300
5620580.0	1956	N/A	ACADIA FOR. EXP. STA.	QC	CAN	46.57	71.32	215
5620580.1	1956	N/A	VALCARTIER FOR. EXP. STA.	QC	CAN	46.37	71.32	215
5620590.0	1956	N/A	LAC-EDOUARD	QC	CAN	47.39	72.16	
5910500.0	1959	B	RENOUS-PLASTER ROCK HWY.	NB	CAN	46.45	66.00	2.95 1989 78.3
6110200.0	1961	B	PROSSER BROOK	NB	CAN	45.45	65.00	3.44 1989 45.0
6210210.0	1962	N/A	ACADIA FOR. EXP. STA.	NB	CAN	46.00	66.25	2.35 1989 58.0
6210220.0	1962	N/A	ACADIA FOR. EXP. STA.	NB	CAN	46.02	66.14	1.72 1989 62.0
6230240.0	1962	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.25	150
6622370.0	1966	N/A	WINDSOR MILLS	QC	CAN	45.35	72.00	2.98 1989 77.2
7910006.0	1979	B	ST. MARGARET'S BAY	NS	CAN	44.40	63.55	35
8010001.0	1980	B	ST. MARGARET'S BAY	NS	CAN	45.50	64.02	152
8010002.0	1980	B	ABRAHAM'S LAKE ROAD	NS	CAN	45.10	62.39	168
8010003.0	1980	B	ABRAHAM'S LAKE	NS	CAN	45.10	62.38	183
8010004.0	1980	B	ABRAHAM'S LAKE	NS	CAN	45.10	62.38	483
8210014.0	1982	B	GRANVILLE BEACH	NS	CAN	44.45	65.36	150
8210015.0	1982	B	LAKE CHARLOTTE	NS	CAN	44.50	62.55	90
8210017.0	1982	B	UNION DAM	NS	CAN	44.55	62.40	150
8210018.0	1982	B	ABRAHAM LAKE	NS	CAN	45.10	62.38	150
8210019.0	1982	B	MARINETTE ROAD	NS	CAN	44.56	62.43	61
8210021.0	1982	B	SCRAGGY LAKE	NS	CAN	45.56	62.53	120
8210022.0	1982	B	COUNTY LINE LAKE	NS	CAN	44.46	64.42	213
8210023.0	1982	B	FELTZEN SOUTH	NS	CAN	44.20	64.19	25
8210024.0	1982	B	HAMMONDS PLAINS	NS	CAN	44.46	63.48	125
8210025.0	1982	B	KEMPTVILLE	NS	CAN	44.04	65.50	75
8210026.0	1982	B	MOSES HILL & BELL NECK	NS	CAN	43.52	65.53	145
8210027.0	1982	B	RICHFIELD	NS	CAN	44.08	65.55	75
8210028.0	1982	B	BEAVER DAM	NS	CAN	45.00	62.40	110
8210035.0	1982	B	ST. MARGARET'S BAY	NS	CAN	44.34	64.35	46

Seed Centre Number/ Numéro de Centre de semences	Coll. Year/ Année de récolte	Collection Type de récolte	Collection Type de récolte	Provenance	Province Code provincial	Country Code de pays	Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
<i>Picea rubens</i> [red spruce; épineuse rouge] (continued/suite)										
8284660.0	1982	N/A	PITTSTON FARM	ME	USA	45.45	69.45	3.08	1987	36.7
8310014.0	1983	B	NEWCOMBVILLE	NS	CAN	4.21	64.38	105	1997	83.0
8310015.0	1983	B	KEMPTOWN	NS	CAN	46.30	63.02	210	1997	91.0
8310016.0	1983	B	GRANVILLE BEACH	NS	CAN	44.45	65.33	91	1997	86.0
8310018.0	1983	B	SOUTH RANGE	NS	CAN	44.30	65.48	100	1997	79.5
84111450.0	1984	B	BIG ST. MARGARET'S BAY LAKE	NS	CAN	44.48	64.05	152	1997	76.0
84111453.0	1984	B	LAKELANDS	NS	CAN	45.28	64.19	122	1997	94.0
84111454.0	1984	B	SPENCERS ISLAND	NS	CAN	45.21	64.42	30	1997	91.5
84111455.0	1984	B	ABRAHAM LAKE ROAD	NS	CAN	45.10	62.38	150	1997	93.5
8430956.0	1984	S	BEAR POND ROAD	ON	CAN	45.02	77.19	320	1990	97.2
8430957.0	1984	S	BEAR POND ROAD	ON	CAN	45.02	77.19	320	1990	81.0
8430958.0	1984	S	BEAR POND ROAD	ON	CAN	45.02	77.19	320	1992	98.2
8430959.0	1984	S	BEAR POND ROAD	ON	CAN	45.02	77.19	320	1990	99.2
8430961.0	1984	S	BEAR POND ROAD	ON	CAN	45.02	77.19	320	1990	98.5
8430962.0	1984	B	ALGONQUIN PARK	ON	CAN	45.17	78.11	490	1990	98.2
8510020.0	1985	B	ABRAHAM LAKE	NS	CAN	45.09	62.35	152	1997	85.5
8510022.0	1985	B	KEMPTON	NS	CAN	45.29	63.06	152	1997	90.0
8810040.0	1988	B	RAWDON	NS	CAN	45.03	63.50	91	1997	93.5
8810041.0	1988	B	PEASANT VALLEY	NS	CAN	45.15	63.21	60	1997	89.5
8810042.0	1988	B	IRWIN LAKE	NS	CAN	45.19	63.21	60	1997	95.0
8810058.0	1988	B	FROG LAKE	NS	CAN	44.40	65.12	183	1997	89.0
9110005.0	1991	B	SPURR ROAD	NS	CAN	46.30	65.20	150	1997	63.0
9610231.0	1996	S	ODELL PARK	NB	CAN	45.57	66.40	100	1997	95.5
9610236.0	1996	B	IONA	PE	CAN	46.05	62.52	40	1997	66.0
9610240.0	1996	B(5)	BLOWDOWN BROOK	NB	CAN	46.41	67.36	380	1998	94.5
9610241.0	1996	B(8)	HURLETT ROAD	NB	CAN	46.07	66.39	185	1998	92.0
9610242.0	1996	B(8)	WOLFFE LAKE	NB	CAN	45.09	65.09	350	1998	87.0
9610243.0	1996	B(4)	ROSSIGNOL LAKE	NS	CAN	45.08	65.19	100	1998	83.0
9630237.0	1996	B(6)	BLYTHE TOWNSHIP	ON	CAN	46.32	79.32	380	1998	83.5
9630238.0	1996	B(10)	BRUTON CLYDE RESERVE	ON	CAN	45.17	78.17	460	1998	95.0
9630239.0	1996	B(4)	HALIBURTON FOREST	ON	CAN	45.13	78.35	480	1998	70.5
<i>Picea schrenkiana</i> [Schrenk's spruce]										
8380669.0	1983	N/A	CH'ANG-CHI HULU,XINJIANG	CHN	44.00	89.00	1000	7.62	1985	70.3
8480979.0	1984	N/A	XINJIANG UYGUR PROVINCE	CHN	44.00	89.00	1000	7.56	1990	56.5
<i>Picea sitchensis</i> [Sitka spruce; épineuse de Sitka]										
5970590.0	1959	B	KALUM LAKE	BC	CAN				1.93	1989
6680040.0	1966	B	PACIFIC COUNTY	WA	USA	47.00	124.00	2.61	1993	13.2
6870000.0	1968	B	SQUAMISH	BC	CAN	49.45	123.07	15	1997	43.0
										82.0

Seed Centre Number/	Centre	Collection	Province	Country	Elevation/	Test:
Numéro de Centre	Année	Type	Code provincial	Code	Altitude	TSW
de semences	de récolte	de récolte	de pays	Code de pays	(m)	PMS
<i>Picea sitchensis</i> [Sitka spruce; épинette de Sitka] (continued/suite)						
6881020.0	1968	S	WA	USA	48.04	140
6881030.0	1968	S	WA	USA	47.05	124.03
6881040.0	1968	S	OR	USA	45.49	6
6881140.0	1968	S	OR	USA	42.15	123.46
7073080.0	1970	B	BC	CAN	54.08	124.23
7073860.0	1970	B	BC	CAN	54.38	128.37
7073870.0	1970	B	BC	CAN	54.12	128.24
7073880.0	1970	B	BC	CAN	53.30	130.15
7073890.0	1970	B	BC	CAN	50.23	132.10
7073900.0	1970	B	BC	CAN	49.23	125.57
7073960.0	1970	B	BC	CAN	55.10	124.37
7073970.0	1970	B	BC	CAN	51.56	127.52
7073990.0	1970	B	BC	CAN	52.50	670
7074000.0	1970	B	BC	CAN	55.41	198
7074010.0	1970	B	BC	CAN	55.28	128.14
7074020.0	1970	B	BC	CAN	55.09	128.58
7074030.0	1970	B	BC	CAN	55.01	126.50
7083840.0	1970	B	AK	USA	54.46	128.41
7083850.0	1970	B	AK	USA	58.22	134.35
7272250.0	1972	B	BC	CAN	55.25	131.42
7287290.0	1972	B	AK	USA	55.22	123.44
7575380.0	1975	B	BC	CAN	53.40	128.15
8170000.0	1981	N/A	BC	CAN	53.42	132.00
8370632.0	1983	B	BC	CAN	50.20	132.09
9070011.0	1990	N/A	BC	CAN	53.15	125.53
9270338.0	1992	N/A	BC	CAN	53.35	131.55
9370026.0	1993	N/A	BC	CAN	53.35	132.12
9370027.0	1993	N/A	BC	CAN	53.35	131.42
9370179.0	1993	B	BC	CAN	53.30	132.30
9470018.0	1994	N/A	BC	CAN	53.02	131.40
9470287.0	1994	B	BC	CAN	53.30	132.30
<i>Pinus albicaulis</i> [whitebark pine; pin à blanche écorce]						
8660834.0	1986	N/A	AB	CAN	50.06	114.27
8861177.0	1988	N/A	AB	CAN	2164	89.53
<i>Pinus armatae var. mastersiana</i>						
1180057.0	N/A	SMOKEY VALLEY	CHN	2400	83.38	1992
1180059.0	N/A	ALBERTA	CHN	2400	238.06	203.70

Seed Centre Number/ Coll. Year/ Collection	Année de semences	Type de récolte	Collection	Province	Country	Elevation/ Altitude (m)	Test: TSW	Year/ Année	Gern.
				Code provincial	Code de pays	Latitude	PMS		
<i>Pinus banksiana</i> [jack pine; pin gris]									
5130010.0	1951	B	BARRY'S BAY	ON	CAN	45.29	77.41	1998	18.0
5830260.0	1958	N/A	LAKE TRAVERSE	ON	CAN	45.57	78.03	1998	87.0
6830070.0	1968	B	SIOUX LOOKOUT	ON	CAN	50.09	91.48	1998	30.5
6830080.0	1968	B	C.F.B. - HIGHVIEW	ON	CAN	46.00	77.18	1998	91.0
6830080.1	1968	B	C.F.B. - HIGHVIEW	ON	CAN	46.00	77.18	1998	89.0
6951610.0	1969	B	CANDLE LAKE	SK	CAN	53.50	105.00	1998	93.0
6951740.0	1969	B	EMMA LAKE	SK	CAN	53.55	105.50	1998	56.0
7010380.0	1970	B	GRAND LAKE	NB	CAN	45.57	66.04	30	3.18
7010500.0	1970	B	SHINNICKBURN	NB	CAN	46.30	66.00	90	3.50
7010500.1	1970	B	SHINNICKBURN	NB	CAN	46.30	66.00	90	3.51
7020460.0	1970	S	CHURCH TOWNSHIP	QC	CAN	46.16	76.13	240	3.60
7020470.0	1970	B	RIVIERE MANICOUAGAN	QC	CAN	50.10	68.35	335	3.18
7030320.0	1970	B	EVELYN TOWNSHIP	ON	CAN	48.40	81.00	300	3.53
7030330.0	1970	B	GREENLAW TOWNSHIP	ON	CAN	47.40	82.47	410	3.28
7030340.0	1970	B	BAIN TOWNSHIP	ON	CAN	49.52	86.24	320	3.36
7030350.0	1970	S	NIPIGON	ON	CAN	49.11	88.12	275	3.30
7030370.0	1970	B	CLEARWATER BAY	ON	CAN	49.44	94.49	400	2.94
7030430.0	1970	B	QUETICO PROV. PARK	ON	CAN	48.39	92.14	400	3.25
7040360.0	1970	B	LAKE ST. MARTIN	MB	CAN	51.30	98.20	335	1998
7050400.0	1970	B	BIG RIVER	SK	CAN	53.44	107.12	490	4.02
7257430.0	1972	N/A	MONTRÉAL LAKE	SK	CAN	54.16	105.37	560	3.38
7257460.0	1972	N/A	CHRISTOPHER LAKE	SK	CAN	53.34	105.40	600	3.78
7331300.0	1973	N/A	NICKLE TOWNSHIP	ON	CAN	49.10	85.40	330	1998
7333410.0	1973	B	AUDREY LAKE	ON	CAN	49.45	94.10	460	3.02
7350090.0	1973	B	MEADOW LAKE	SK	CAN	53.54	108.27	725	3.30
7350100.0	1973	B	MONTRÉAL LAKE	SK	CAN	54.16	105.37	560	3.36
7350110.0	1973	B	SOUTHEND	SK	CAN	56.16	103.20	440	2.85
7350120.0	1973	B	PRINCE ALBERT	SK	CAN	53.14	105.47	560	3.88
7350130.0	1973	B	HUDSON BAY	SK	CAN	52.50	102.21	410	3.95
7350140.0	1973	B	LA RONGE	SK	CAN	55.27	104.52	415	2.94
7435330.0	1974	N/A	SWASTIKA	ON	CAN	47.30	80.00	3.19	1998
7719278.0	1977	B	CARIBOU MOUNTAIN	NB	CAN	47.45	66.40	0.00	1998
7827550.0	1978	N/A	POINTE A DAVID	QC	CAN	46.45	75.55	244	4.70
7836340.0	1978	B	WELS TOWNSHIP	ON	CAN	46.25	83.21	230	3.29
7836350.0	1978	B	GARBALDI TOWNSHIP	ON	CAN	47.14	81.14	380	3.17
8021950.0	1980	S	BRIAND	QC	CAN	46.54	76.02	3.90	1998
8032255.0	1980	B	PEMBROKE AREA	ON	CAN	56.07	116.55	610	3.97
8060006.0	1980	B	NAMPA	AB	CAN	56.07	116.55	30	3.78
8310017.0	1983	B	THOMPSON STATION	NS	CAN	45.42	63.50	182	3.32
8310055.0	1983	B	CANTERBURY	NB	CAN	45.50	67.30	3.77	1998

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année de récolte	Collection Type de récolte	Prov. Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
<i>Pinus banksiana</i> [jack pine; pin gris] (continued/suite)										
8411489.0	1984	B	NB	CAN	46.39	65.34	91	3.44	1998	93.5
8431460.0	1984	B	ON	CAN	44.47	79.28	229	2.85	1998	98.0
8510029.0	1985	B	NB	CAN	47.24	65.17	10	4.84	1998	89.0
8510070.0	1985	B	NB	CAN	46.06	65.56	8	3.51	1998	96.0
8510077.0	1985	B	NB	CAN	46.39	65.34	91	3.81	1998	93.0
8510078.0	1985	B	NB	CAN	46.06	65.56	8	3.67	1998	98.0
8710024.0	1987	B	NB	CAN	46.06	65.56	8	3.26	1998	96.5
8800172.0	1988	B	NF	CAN	46.20	65.10	76	2.63	1998	57.0
8810066.0	1988	B	NB	CAN	46.20	65.10	76	3.17	1998	96.0
8960049.0	1989	B	AB	CAN	55.46	113.22	600	3.73	1997	95.0
9060060.0	1990	B	AB	CAN	54.38	110.51	640	4.02	1997	93.5
9330061.0	1993	B	ON	CAN	45.58	76.26	111.23	3.25	1998	98.5
9360060.0	1993	B	AB	CAN	57.20	86.25	304	4.00	1997	93.0
9630232.0	1996	B	ON	CAN	50.30	86.25	304	3.60	1997	92.0
<i>Pinus bungeana</i> [lacebark pine]										
8380677.0	1983	N/A	CHN	CHN	35.00	111.00	1000	112.38	1986	1.3
<i>Pinus caribaea</i> var <i>caribaea</i>										
7886740.0	1978	B	CUB	CUB	22.00	84.00	75	13.84	1989	30.5
8180140.0	1981	B	CUB	CUB	20.49	82.58	75	15.14	1989	77.0
<i>Pinus caribaea</i> var. <i>bahamensis</i>										
7497537.0	1974	N/A	BAH	BAH	26.36	78.20	12.22	1993	93.3	
<i>Pinus caribaea</i> var. <i>hondurensis</i>										
8380660.0	1983	B	GTM	GTM	16.21	89.25	500	17.91	1989	74.0
8590261.0	1985	N/A	NIC	NIC	12.34	84.17	25	13.21	1993	23.0
8791218.0	1987	N/A	NIC	NIC	13.34	84.17	25	13.26	1993	4.2
<i>Pinus cembra</i> var. <i>sibirica</i>										
8181080.0	1981	B	RUS	RUS	55.00	80.00	243.00	1984	21.3	
8181090.0	1981	B	RUS	RUS	58.00	80.00	238.00	1984	13.5	
<i>Pinus contorta</i> var. <i>contorta</i> [shore pine; pin tordu]										
7073220.0	1970	B	BC	CAN	49.10	123.10	35	2.67	1988	85.5
7272070.0	1972	B	BC	CAN	54.52	128.47	150	2.33	1993	60.0
7272070.1	1972	B	BC	CAN	54.52	128.47	150	2.35	1989	56.2

Seed Centre Number/	Coll. Year/	Collection	Province	Country	Elevation/	Test:
Número de Centre	Année	Type	Code	Code	Altitude	Year/
de semences	de récolte	de récolte	provincial	de pays	(m)	PMS
<i>Pinus contorta</i> var. <i>latifolia</i> [lodgepole pine; pin tordu latifolié]						
5850250.0	1958	B	CYPRESS HILLS PROV. PARK	SK	49.40	109.30
5960610.0	1959	N/A	ALLISON CREEK	BC	49.30	120.30
6881120.0	1968	S	PRARIE CITY	OR	44.32	118.34
7060490.1	1970	B	KANANASKIS RES. FOREST	AB	51.00	115.00
71172000.0	1971	B	FORT ST. JAMES	BC	54.30	124.15
71172010.0	1971	B	JACOBIE CREEK	BC	52.32	121.53
71172020.0	1971	B	LAC LE JEUNE	BC	50.30	120.36
71172030.0	1971	B	HAZELTON	BC	55.15	127.30
71172130.0	1971	B	CLEARWATER	BC	51.40	119.56
71172140.0	1971	B	HUDSON'S HOPE	BC	56.03	121.52
7272040.0	1972	B	HAZELTON	BC	55.10	127.47
7272050.0	1972	B	MANSION CREEK	BC	55.40	124.30
7272060.0	1972	B	JACOBIE CREEK	BC	52.32	121.50
7272280.0	1972	B	MILE 101 ALASKA HIGHWAY	BC	56.45	121.44
7272290.0	1972	B	ATLIN	BC	59.35	133.40
7272300.0	1972	B	TAGISH LAKE	YT	60.14	134.24
7575410.0	1975	B	WATSON LAKE	YT	60.10	128.50
7665180.0	1976	B	GRANDE PRAIRIE FOREST	AB	55.10	118.48
7678430.0	1976	B	FRASER LAKE	BC	54.12	124.26
7678440.0	1976	B	BABINE LAKE	BC	54.24	125.30
7678460.0	1976	B	WONOWON	BC	56.43	121.50
7678470.0	1976	B	BALDY HUGHES	BC	53.40	122.57
7678480.0	1976	B	PEMENT LAKE	BC	50.40	119.29
7679160.0	1976	N/A		BC		
7769720.0	1977	B	NORDEGG	AB	52.30	116.15
7779430.0	1977	B	NORTH RANCHERIA	YT	CAN	60.06
7779470.0	1977	B	TAGISH LAKE	YT	CAN	60.14
7779480.0	1977	B	CHETWYND	BC	CAN	55.37
7779490.0	1977	B	WONOWON	BC	CAN	56.45
7779520.0	1977	B	WONOWON	BC	CAN	56.43
7779530.0	1977	B	CANOL ROAD	YT	CAN	61.08
7779540.0	1977	B	TESLIN	YT	CAN	60.18
7779550.0	1977	B	CASSIAR	BC	CAN	59.17
7779580.0	1977	B	SQUANGA	YT	CAN	60.30
7779590.0	1977	B	QUIET LAKE	YT	CAN	60.55
7779600.0	1977	B	CARMACKS	YT	CAN	62.08
7779610.0	1977	B	SIMPSON LAKE	YT	CAN	60.45
7779620.0	1977	B	TAGISH	YT	CAN	60.20
7779640.0	1977	B	NATION RIVER	BC	CAN	55.15
7779650.0	1977	B	FORT ST. JAMES	BC	CAN	54.30

Seed Centre Number/	Centre	Coll. Year/	Collection	Province	Country	Elevation/	Test:
Numéro de Centre	Année de semences	Type de récolte	Type de récolte	Code provincial	Code pays	Altitude (m)	TSW
			Provenance	Code	Code de pays	PMS	Year/ Année
<i>Pinus contorta var. latifolia</i> [lodgepole pine; pin tordu latifolié] (continued/suite)							
7779670.0	1977	B	UPPER LIARD RIVER	YT	CAN	60.10	128.50
7779680.0	1977	B	TESLIN	YT	CAN	60.15	132.50
7779700.0	1977	B	BABINE LAKE	BC	CAN	54.24	125.30
7779710.0	1977	B	MOBERLY LAKE	BC	CAN	55.40	121.25
7779740.0	1977	B	PINK MOUNTAIN	BC	CAN	51.00	122.40
7870003.0	1978	N/A	CHADBURN LAKE	YT	CAN	60.37	134.53
7870004.0	1978	N/A	MUSKEG LAKE	BC	CAN	55.20	120.43
7877130.0	1978	B	LONG LAKE	YT	CAN	60.49	135.06
7877150.0	1978	B	SQUANGA	YT	CAN	60.20	133.45
7877160.0	1978	B	TAGISH	YT	CAN	60.20	134.30
7877170.0	1978	B	CARMACKS	YT	CAN	62.08	135.15
7877190.0	1978	B	TESLIN	YT	CAN	60.18	132.45
7960007.0	1979	B	WOKING	AB	CAN	55.40	119.28
7970000.0	1979	B	MARILLA	BC	CAN	53.45	125.53
7970003.0	1979	N/A	BIG TREE CREEK	YT	CAN	62.08	135.44
7970004.0	1979	N/A	RED ROCK	BC	CAN	53.40	122.30
7974030.0	1979	B	ANNE LAKE	YT	CAN	60.25	134.50
8070000.0	1980	N/A	BEATTON RIVER	BC	CAN	56.45	121.15
8170001.0	1981	N/A	LIARD	YT	CAN	60.00	129.06
8170002.0	1981	N/A	MARSH LAKE	YT	CAN	60.32	134.23
8170003.0	1981	N/A	HAZELTON	BC	CAN	55.00	127.20
8270004.0	1982	N/A	SIMPSON LAKE	YT	CAN	60.30	129.00
8270005.0	1982	N/A	FORT SAINT JAMES	BC	CAN	54.13	124.26
8270006.0	1982	N/A	MACKENZIE	BC	CAN	55.05	122.50
8461731.0	1984	B	DS 66-10-5-84	AB	CAN	54.38	115.22
8470470.0	1984	N/A	DEASE LAKE	BC	CAN	58.00	129.50
8470647.0	1984	N/A	MILE 95 - ALASKA HIGHWAY	BC	CAN	56.25	122.00
8570014.0	1985	N/A	BEARFEED CREEK	YT	CAN	62.03	135.05
8670011.0	1986	N/A	JACKFISH LAKE	YT	CAN	63.03	136.23
8670012.0	1986	N/A	RUSTY CREEK	YT	CAN	63.28	136.35
8670013.0	1986	N/A	TUNGSTON	YT	CAN	60.55	128.35
8670014.0	1986	N/A	CARMACKS	YT	CAN	62.02	135.56
8670015.0	1986	N/A	SQUANGA	YT	CAN	60.25	133.40
8670016.0	1986	N/A	HERITAGE HIGHWAY	BC	CAN	55.15	120.30
8670017.0	1986	N/A	WONOWON	BC	CAN	56.41	121.39
8770001.0	1987	N/A	FRANCES LAKE	YT	CAN	60.52	129.12
8770002.0	1987	N/A	WATSON LAKE	YT	CAN	60.04	128.44
8770003.0	1987	N/A	TAKHINI	YT	CAN	60.12	135.51
8770004.0	1987	N/A	TAGISH	YT	CAN	60.09	134.15
8770005.0	1987	N/A	HUDSON HOPE	BC	CAN	56.00	121.45

Seed Centre Number/	Coll. Year/	Collection	Province	Country	Elevation/	Test:
Numéro de Centre	Année	Type	Code provincial	Code de pays	Altitude	Year/
de semences	de récolte	de récolte	provincial	Code	(m)	PMS
<i>Pinus contorta</i> var. <i>latifolia</i> [lodgepole pine; pin tordu latifolié] (continued/suite)						
8770006.0	1987	N/A	BOYA LAKE	BC	59.20	129.00
8770007.0	1987	N/A	PINK MOUNTAIN	BC	56.58	122.15
8771222.0	1987	B	LAKE LABARGE	YT	61.00	135.00
8870010.0	1988	N/A	ETHEL LAKE	YT	63.17	136.27
8870011.0	1988	N/A	MINTO	YT	62.36	136.50
8870012.0	1988	N/A	EAGLES BLUFF	YT	62.00	135.30
8870013.0	1988	N/A	EDGEWOOD	BC	49.55	118.11
8960096.0	1989	B		AB	CAN	700
8970000.0	1989	N/A	BARTON LAKE	BC	53.19	123.29
8970001.0	1989	N/A	PELLY CROSSING	YT	62.53	136.43
8970002.0	1989	N/A	CONSERVATIVE TRAIL	YT	63.39	136.30
8970047.0	1989	B	VANHORLIC CREEK	BC	50.20	122.17
8970048.0	1989	B	STONE CREEK	BC	53.55	122.55
9070007.0	1990	N/A	YOUNGS CREEK	BC	54.19	123.11
9070008.0	1990	N/A	TSICHGASS	BC	54.03	126.25
9070013.0	1990	N/A	TARFU CREEK	YT	60.03	133.47
9170003.0	1991	N/A	FIVE FINGER MOUNTAIN	YT	62.09	136.15
9270000.0	1992	N/A	FORT ST JAMES	BC	54.31	123.35
<i>Pinus contorta</i> var. <i>murrayana</i> [lodgepole pine; pin tordu latifolié]						
6881130.0	1968	S	CAMP NELSON	CA	USA	36.06
7887530.0	1987	N/A	CALIF. SEED ZONE 997	CA	USA	33.50
<i>Pinus coulteri</i> [big-cone pine]						
83800667.0	1983	N/A		CHN		
<i>Pinus densiflora</i> [Japanese red pine]						
7487519.0	1974	N/A	IWATE PREFECTURE	JPN	39.15	141.23
8380868.0	1983	N/A	FUKUSHIMA PREFECTURE	JPN	37.34	140.50
<i>Pinus elliottii</i> [slash pine]						
1180060.0		N/A	KINMEN	CHN	24.30	118.20
7487541.0	1974	N/A		GA	USA	58
7487542.0	1974	N/A		GA	USA	25.88
7487543.0	1974	N/A		GA	USA	35.37
7487544.0	1974	N/A		GA	USA	35.17
7487545.0	1974	N/A		MS	USA	35.37
7487546.0	1974	N/A		GA	USA	35.86
					GA	35.80
					USA	36.29

Seed Centre Number/ Numéro de Centre de semences	Coll Year/ Année	Collection Type de récolte	Provenance	Province Code provincial	Country Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
<i>Pinus elliotii</i> [slash pine] (continued/suite)											
7487547.0	1974	N/A		GA	USA GA			36.00		1984	68.0
7581510.0	1975	N/A		GA	USA GA			36.21			
8891324.0	1988	N/A		ZMB				36.81			
<i>Pinus flexilis</i> [limber pine; pin flexible]											
7166323.0	1971	N/A	SMOKY VALLEY	AB	CAN	50.05	114.20	1829	77.83	1992	75.0
<i>Pinus griffithii</i> [Himalayan white pine]											
9180102.0	1991	B	SIMERIA ARBORETUM		ROM	45.51	23.01	200	42.76		
<i>Pinus halepensis</i> [Aleppo pine]											
7880670.0	1978	N/A	PISHIN (QUETTA)		PAK	30.15	67.00	1500	62.10	1987	67.5
<i>Pinus heldreichii</i> var. <i>leucodermis</i>											
1180013.0		N/A	CRNA GORA, NIKSIC		MKD				22.96	1993	60.5
<i>Pinus kesiya</i> [Khasi pine]											
7980470.0	1979	N/A	MAE SAIR		THA	19.00	98.45	1050	20.22	1988	93.0
8590257.0	1985	N/A	BODANA POPULATION A8		MDG	20.35	47.30	1500	18.89	1993	95.0
8590258.0	1985	N/A	BODANA POPULATION A9		MDG	20.35	47.30	1500	19.75		91.0
<i>Pinus koraiensis</i> [Korean pine]											
8480972.0	1984	N/A	JILIN PROVINCE		CHN	43.00	126.00		449.00	1985	22.7
<i>Pinus maximinoi</i>											
8191588.0	1981	N/A	MINAS DE ORO		HND	14.49	87.23	1400	16.59	1992	66.0
8191589.0	1981	N/A	GUINOPE		HND	13.53	86.56	1375	12.95	1992	45.0
<i>Pinus merkusii</i>											
8380658.0	1983	B	NANG KHU		THA	14.43	103.50	180	20.01	1989	20.0
<i>Pinus monticola</i> [Western white pine; pin argenté]											
7071810.0	1970	B	ADAMS LAKE	BC	CAN	51.25	119.30	550	11.66	1983	52.0
7477320.0	1974	B	ADAMS LAKE	BC	CAN	51.25	119.30	700	15.80	1987	20.2
7679320.0	1976	N/A	WEST ADAMS	BC	CAN	50.53	119.46	686	16.40	1993	75.0
8370630.0	1983	N/A	ADAMS LAKE	BC	CAN	51.30	119.33	1050	14.10	1984	22.0
8370631.0	1983	N/A	ADAMS LAKE	BC	CAN	51.22	119.30	425	15.15	1984	12.5
8570234.0	1985	B	BLACK JACK RIDGE	BC	CAN			685	13.90	1986	12.0
8570235.0	1985	B	HALFMOON BAY ROAD	BC	CAN	49.36	123.54	690	13.09	1986	16.0
8870014.0	1988	N/A	ARROW LAKE	BC	CAN	50.10	117.48	640	15.53	1997	72.0

Seed Centre Number/	Centre	Coll. Year/	Collection	Province	Country	Elevation/	Test:
Numéro de Centre		Année	Type	Code provincial	Code pays	Altitude (m)	Year/
de semences	de récolte	de récolte	Provenance	de pays	Latitude	Longitude	Année Germ.
<i>Pinus monticola</i> [Western white pine; pin argenté] (continued/suite)							
8871102.0	1988	B	BLACKCOMB	BC	CAN	122.55	17.78
9170096.0	1991	B	PETE LAKE	BC	CAN	123.58	19.25
<i>Pinus mugo</i> [mugho pine; pin mugo]	1991	B	STINISOARA	ROM	45.23	22.54	1600
9180093.0							5.70
							1993
							90.8
<i>Pinus mugo var. pumilio</i>	1180014.0	N/A	RENAN PLATEAU, S. TIROL	ITA			5.04
<i>Pinus mugo var. rostrata</i>	7581511.0	1975	N/A	FRA	42.32	2.08	1800
<i>Pinus manicata</i>	1180009.0	N/A	N/A	NZL			7.88
							1986
							78.0
<i>Pinus nigra</i> [Austrian pine; pin noir d'Autriche]							
8330037.0	1983	S	TORONTO	ON	CAN	79.23	150
8781133.0	1987	B	BAIA DE ARIES	ROM	46.30	23.25	30.66
8881178.0	1988	B	ALBA IULIA DISTRICT	ROM	46.05	23.30	505
8881179.0	1988	B	SCROVISTEA DISTRICT	ROM	44.45	26.10	23.30
8881181.0	1988	B	RIMNICU VILCEA DISTRICT	ROM	45.00	23.40	350
8881325.0	1988	B	TURDA	ROM	46.33	23.41	28.40
8881326.0	1988	B	CAREI	ROM	47.44	22.19	130
8881327.0	1988	B	AUDU	ROM	46.25	23.35	580
8980934.0	1989	B	DOBRA SEED ORCHARD	ROM	45.40	23.15	21.26
							1993
							5.0
							28.8
<i>Pinus nigra var. austriaca</i>	8781209.0	1987	B	ALBA DISTRICT	ROM	46.30	23.25
8881305.0	1988	B	BIHOR COUNTY	ROM	47.12	25.05	22.36
8881306.0	1988	B	VICEA COUNTY	ROM	45.00	23.40	1992
8881309.0	1988	B	ALBA IULIA DISTRICT	ROM	46.05	23.30	26.96
							1992
							84.0
							84.0
							52.2
<i>Pinus nigra var. koekelare</i>	8181290.0	1981	N/A	HALLE #504H SEED ORCHARD	BEL	50.44	4.14
							18.37
							1989
							63.0
<i>Pinus occarpa</i>	7789310.0	1977	B	TEMASCALTEPEC-TEJUPILCO	MEX	100.05	1675
8240546.0	1982	B	GUINOPE	HND	13.58	87.01	23.06
8590259.0	1985	N/A	CONACASTE	GTM	15.10	89.21	16.91
8590260.0	1985	N/A	GUAMACA	HND	14.35	86.49	1400
							1984
							21.49
							1992
							15.77
							1993
							77.0

Seed Centre Number/ Numéro de Centre	Centre	Collection Année de semences	Type de récolte	Collection Provenance	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	Test: Year/ Année	% Germ.
<i>Pinus patula lecunmannii</i>									
7699449.0	1976	N/A	YUCUL MOUNTAIN PINE RIDGE	NIC BLZ	12.55 17.00	85.48 88.55	900 710	11.90 14.81	1993 1993
8590256.0	1985	N/A							79.0 85.0
<i>Pinus pencei</i> [(Macedonian pine]									
9180103.0	1991	B	SIMERIA ARBORHIM	ROM	45.51	23.01	200	53.85	
<i>Pinus ponderosa</i> [ponderosa pine; pin ponderosa]									
7970005.0	1979	N/A	MONTE CREEK	BC	50.35	119.45	400	43.48	1997 64.5
8970046.0	1989	B	CAMOO JUNCTION	BC	50.50	122.07	480	60.84	1997 90.5
9170007.0	1991	N/A	CLINTON	BC	51.05	121.36	940	4.69	1997 91.5
9170108.0	1991	B	TEXAS CREEK	BC	50.33	121.49	59.24	1993	83.5
9180101.0	1991	B	SIMERIA ARBORETUM	ROM	45.51	23.01	200	31.07	1993 30.0
<i>Pinus pumila</i>									
1180008.0		N/A		RUS			80.92	1986	28.0
8181070.0	1981	B	MAGADANSKAYA OBLAST	RUS	65.00	160.00	83.00	1984	9.5
<i>Pinus resinosa</i> [red pine; pin rouge]									
5330590.0	1953	N/A	STURGEON FALLS	ON	46.22	79.55		8.08	1988 19.0
5730330.0	1957	N/A	ZONE 6	ON				7.49	1992 87.0
57803350.0	1957	N/A	DELTA COUNTY	MI				8.28	1992 90.8
6632340.0	1966	B	PETAWAWA NAT. FOR. INST.	ON	46.00	87.00		8.30	1992 25.2
6632360.0	1966	B	PETAWAWA NAT. FOR. INST.	ON	45.56	77.33	150	9.35	1992 46.5
6730620.0	1967	B	PETAWAWA NAT. FOR. INST.	ON	45.58	77.24	160	9.58	1988 88.5
6830960.0	1968	B	SIOUX LOOKOUT	ON	45.58	77.30	190		
6931510.0	1969	S	C.F.B. - HIGHVIEW	ON	50.04	91.57	370	7.17	1988 80.8
6931520.0	1969	S	C.F.B. - HIGHVIEW	ON	45.58	77.19	120	7.80	1992 100.0
6931540.0	1969	S	C.F.B. - HIGHVIEW	ON	45.58	77.19	120	8.60	1990 86.0
6931540.2	1969	S	C.F.B. - HIGHVIEW	ON	45.58	77.19	120	9.45	1990 91.0
6931560.2	1969	S	C.F.B. - HIGHVIEW	ON	45.58	77.19	120	8.10	1990 93.8
6931570.0	1969	S	C.F.B. - HIGHVIEW	ON	45.58	77.19	120	7.84	1993 26.0
6931580.1	1969	S	PETAWAWA NAT. FOR. INST.	ON	45.58	77.34	210	8.46	1990 87.5
6931590.0	1969	S	PETAWAWA NAT. FOR. INST.	ON	45.58	77.34	210	9.06	1993 61.0
7010280.0	1970	B	BEAVER LAKE	NS				8.12	1988 89.8
7023040.0	1970	B	NORWAY-BAY	QC	44.14	65.20	140	7.58	1988 97.8
7030170.0	1970	S	C.F.B. - TUCKER CREEK	ON	45.32	76.26	80	8.46	1993 98.0
7030200.0	1970	B	C.F.B. - THOMPSON L.	ON	45.59	77.22	140	10.77	1993 33.0
7030210.0	1970	S	DRIFTWOOD PROV. PARK	ON	46.01	77.21	180	9.62	1993 100.0
7030220.0	1970	S	DRIFTWOOD PROV. PARK	ON	46.11	77.51	150	8.73	1993 97.5
7030240.0	1970	S	DRIFTWOOD PROV. PARK	ON	46.11	77.51	150	7.37	1988 99.0
								8.80	1990 99.0

Seed Centre Number/ Coll. Year/ Numéro de Centre de semences	Collection Année de récolte	Type de récolte	Provenance	Province provincial	Country Code de pays	Code de pays	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
<i>Pinus resinosa</i> [red pine; pin rouge] (continued/suite)										
7030250.0	1970	B	ELDRIDGE TOWNSHIP	ON	CAN	47.00	79.30	310	8.05	1990
7030260.0	1970	B	MACDIARMID	ON	CAN	49.18	88.05	370	8.39	1990
7030270.0	1970	B	AGAWA BAY	ON	CAN	47.20	84.38	210	8.38	1993
7030290.0	1970	B	ATIKOKAN	ON	CAN	48.58	91.47	410	8.80	1988
7030300.0	1970	B	FRENCH LAKE	ON	CAN	48.41	91.07	440	8.73	1988
7232200.0	1972	S	C.F.B. - HIGHVIEW	ON	CAN	45.58	77.19	120	8.65	1988
7232220.0	1972	B	C.F.B. - HIGHVIEW	ON	CAN	45.58	77.19	120	8.87	1991
7807560.0	1978	B	ROWSELL'S BROOK	NF	CAN	49.14	56.22	270	6.52	1989
9230449.0	1992	N/A	ALGONQUIN PARK	ON	CAN	47.22	94.36	9.62	1993	77.2
9480289.0	1994	B	CASS LAKE	MN	USA	45.38	66.39	80		97.0
9710049.0	1997	B	TRACY	NB	CAN	45.38	66.39	80		
9710050.0	1997	B	TRACY	NB	CAN	45.38	66.39	80		
<i>Pinus rigida</i> [pitch pine; pin rigide]										
8530123.0	1985	B	ELGIN	ON	CAN	44.37	76.13	145	5.86	1990
8620271.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		5.65	1990
8620272.0	1986	B	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		9.09	1990
8620273.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		5.35	1990
8620274.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		5.24	1990
8620275.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		6.48	1990
8620278.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		6.11	1990
8620279.0	1986	B	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		6.82	1990
8620280.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		5.96	1990
8620281.0	1986	B	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		7.27	1990
8620282.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		9.08	1990
8620283.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		8.27	1990
8620284.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		8.02	1990
8620286.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		6.11	1993
8630156.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		5.43	1992
8630158.0	1986	S	ST. ANTOINE-ABBE	QC	CAN	45.03	73.53		4.57	1990
8630160.0	1986	S	HILL ISLAND	ON	CAN	44.21	75.59	90	6.70	1990
8630161.0	1986	S	SQUAW ISLAND	ON	CAN	44.19	76.06	76	5.63	1990
8630162.0	1986	S	SQUAW ISLAND	ON	CAN	44.19	77.06	77	7.79	1989
8630168.0	1986	S	SQUAW ISLAND	ON	CAN	44.19	76.06	76	8.43	1989
8630171.0	1986	S	CAMELOT ISLAND	ON	CAN	44.18	76.07	78	7.69	1990
8630173.0	1986	S	CAMELOT ISLAND	ON	CAN	44.18	76.07	76	5.28	1990
8630174.0	1986	SQ	CAMELOT ISLAND	ON	CAN	44.18	76.06	78	5.18	1990

Seed Centre Number/	Coll. Year/	Collection	Province	Country	Elevation/	Test:
Número de Centre	Année	Type	Code provincial	Code	Altitude	Year/
de semences	de récolte	de récolte	Provenance	de pays	(m)	PMS
<i>Pinus rigida</i> [pitch pine; pin rigide] (continued/suite)						
8630176.0	1986	S	HILL ISLAND	ON	CAN	7.65
8630177.0	1986	S	HILL ISLAND	ON	CAN	115
8630178.0	1986	S	HILL ISLAND	ON	CAN	116
						1989
						99.8
						99.2
						100.0
<i>Pinus sibirica</i>						
8480970.0	1984	N/A	XINJIANG UYGUR PROVINCE	CHN	44.21	77.58
85380069.0	1985	N/A	MALOY GOLOUSTNOYE	RUS	44.21	75.57
8780332.0	1987	B	KEMEROVO DISTRICT	RUS	44.21	75.57
8780780.0	1987	N/A		RUS		
						231.76
						1985
						1990
						225.41
						218.64
<i>Pinus strobus</i> [Southwestern white pine]						
8480008.0	1984	N/A	LINCOLN NAT. FOREST	NM	USA	105.00
						201.18
						1989
						75.0
<i>Pinus strobus</i> [Eastern white pine; pin blanc]						
5920072.0	1959	N/A	ST CHARLES DE MANDEVILLE	QC	CAN	19.73
5930070.0	1959	B	ZONE 6E	ON	CAN	16.83
5930070.1	1959	B	C.F.B. - PETAWAWA R.	ON	CAN	0.00
5930071.0	1959	B	MONTGOMERY LAKE	ON	CAN	15.43
6130022.1	1961	B	C.F.B. - PETAWAWA R.	ON	CAN	0.00
6630280.0	1966	S	PETAWAWA NAT. FOR. INST.	ON	CAN	1997
6632460.0	1966	B	C.F.B. - PETAWAWA R.	ON	CAN	17.35
6730110.0	1967	S	C.F.B. - PETAWAWA R.	ON	CAN	170
6730130.0	1967	S	C.F.B. - PETAWAWA R.	ON	CAN	200
6730170.0	1967	S	C.F.B. - PETAWAWA R.	ON	CAN	13.71
7011270.0	1970	B	CAMBIDGE TOWNSHIP	ON	CAN	1997
7230050.0	1972	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	26.30
7230080.0	1972	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	15.30
7230110.0	1972	B	C.F.B. - BIGGAR L.	ON	CAN	20.21
7230220.0	1972	S	C.F.B. - BIGGAR L.	ON	CAN	1997
7230430.0	1972	S	C.F.B. - BIGGAR L.	ON	CAN	17.90
7230440.0	1972	S	C.F.B. - BIGGAR L.	ON	CAN	170
7230450.0	1972	S	C.F.B. - BIGGAR L.	ON	CAN	18.57
7331460.0	1973	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	1997
7331480.0	1973	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	17.10
7735590.0	1977	S	BORDEN TOWNSHIP	ON	CAN	22.20
7739279.0	1977	B	KIRKLAND LAKE	ON	CAN	1997
8100146.0	1981	B	GREAT RATTLING BROOK	NF	CAN	14.27
8530080.0	1985	B	ALGONQUIN PARK	ON	CAN	20.48
8530189.0	1985	B	BEAR POND ROAD	ON	CAN	19.46
8710025.0	1987	B	COLES ISLAND	NB	CAN	19.50
						1997
						1997
						19.92
						1997
						16.5
						13.28
						400
						1991
						38.0
						15.91
						1997
						71.5
						19.50
						1997
						54.0
						97.0
						95.5
						63.0

Seed Centre Number/	Centre	Collection	Province	Country	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
Número de Centre	Année de semences	Type de récolte	Code provincial	Code de pays	Latitude	Longitude		
<i>Pinus strobus</i> [Eastern white pine; pin blanc] (continued/suite)								
8710026.0	1987	B	NB	CAN	46.21	66.16	152	13.99 1997 74.0
9080747.0	1990	N/A	ROM	ROM	48.30	24.50	320	22.90 1997 49.5
9180100.0	1991	B	ON	ROM	45.51	23.01	200	23.40 1993 97.5
9230120.0	1992	S	CAN	CAN	45.58	77.26		18.08 96.2
9230123.0	1992	S	ON	CAN	45.58	77.27		21.33 1997 97.5
9310054.0	1993	B	NB	CAN	45.38	66.50	83	14.01 1997 73.0
9310182.0	1993	B	NS	CAN	44.00	65.20	108	1997 94.0
9710006.0	1997	B	NB	CAN	45.45	67.05	152	15.12
9710007.0	1997	B	NB	CAN	47.03	65.55	106	14.12
9710037.0	1997	B	NB	CAN	45.35	67.05	200	
9710039.0	1997	B	NB	CAN	45.51	66.06	8	
9710040.0	1997	S	NB	CAN	46.50	65.00	8	
9710041.0	1997	B	NB	CAN	46.48	65.55	60	
9710042.0	1997	S	NB	CAN	46.48	65.55	60	
9710043.0	1997	S	PE	CAN	46.03	62.52	40	
9710044.0	1997	S	NS	CAN	44.21	65.05	100	
9710045.0	1997	B	NS	CAN	44.07	65.08	110	
9710046.0	1997	S	PE	CAN	46.22	63.00	10	
9710047.0	1997	B	PE	CAN	46.03	62.52	42	
9710048.0	1997	S	NB	CAN	47.35	66.15	400	
9710051.0	1997	B	NB	CAN	45.52	66.56	45	
<i>Pinus strobus var. chiapensis</i>								
7687790.0	1976	N/A	MEX	MEX	19.55	97.15	775	18.00 1983 14.0
<i>Pinus sylvestris</i> [Scots pine; pin sylvestre]								
7333490.0	1973	S	ON	CAN	46.15	83.24		9.66 1988 94.2
7383420.0	1973	S	FRA	FR	45.06	2.15		7.24 1989 82.5
7383460.0	1973	S	GBR	GBR	57.16	3.09	240	9.50 1991 42.2
7383470.0	1973	S	GBR	GBR	57.16	3.09	240	7.26 1988 37.8
7383480.0	1973	S	GBR	GBR	57.16	3.09	240	6.37 1988 97.2
7383550.0	1973	S	GBR	GBR	57.33	3.29		8.23 1991 25.0
7383560.0	1973	S	GBR	GBR	57.33	3.29		8.20 1988 67.5
7383570.0	1973	S	GBR	GBR	57.33	3.29		12.10 1991 25.0
7486670.0	1974	B	LTU	LTU	54.38	25.28	100	6.60 1988 29.8
7486680.0	1974	B	LTU	LTU	55.15	24.20	110	6.37 1991 55.2
7486690.0	1974	N/A	LTU	LTU	54.45	24.05	100	5.83 1988 82.0
7486700.0	1974	N/A	LTU	LTU	54.45	24.05	100	5.87 1988 35.8
7486730.0	1974	N/A	LTU	LTU	54.45	24.05	100	7.26 1988 60.0
7486740.0	1974	N/A	LTU	LTU	54.45	24.05	100	6.15 1988 96.0

Seed Centre Number/Coll. Year/ Numéro de Centre de semences	Collection Année de récolte	Type de récolte	Collection Provenance	Province provincial	Country Code	Country Code	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.
<i>Pinus sylvestris</i> [Scots pine; pin sylvestre] (continued/suite)										
7486760.0	1974	N/A	KAUNAS	LTU	54.45	24.05	100	6.23	1988	47.0
7486780.0	1974	N/A	KAUNAS	LTU	54.45	24.05	100	6.59	1988	19.5
7486790.0	1974	N/A	KAUNAS	LTU	54.45	24.05	100	5.55	1988	69.0
7486800.0	1974	N/A	KAUNAS	LTU	54.45	24.05	100	6.36	1988	22.0
8181130.0	1981	B	TATARSKAYA, ASSR	RUS	55.00	50.00		6.87	1988	96.2
8181140.0	1981	B	TATARSKAYA, ASSR	RUS	55.00	50.00		7.09	1988	87.5
8181150.0	1981	B	VORONEZHSKAYA OBLAST	RUS	50.30	40.00		8.17	1988	83.0
8181160.0	1981	B	ORLOVSKAYA OBLAST	RUS	52.30	37.00		7.56	1988	77.2
8181170.0	1981	B	KIEVSKAYA OBLAST	UKR	50.00	30.00		7.54	1988	82.0
8181180.0	1981	B	KRASNODYARSKIY KRAY	RUS	60.00	90.00		5.21	1988	95.2
8181190.0	1981	B	KALUZHCKAYA OBLAST	RUS	54.00	35.00		7.59	1988	71.3
8181200.0	1981	B	SMOLENSKAYA OBLAST	RUS	55.00	32.00		7.20	1988	89.3
8181280.0	1981	N/A	GROENENDAAL #502B SOR	BEL	50.50	4.21		8.00	1989	26.8
8380654.0	1983	N/A	LUZNA, OLESNA	CZE	50.10	13.70	390	6.81	1988	59.8
8380655.0	1983	N/A	LITOMERICE, ROUDNICE	CZE	50.30	14.20	150	7.14	1988	62.8
8380656.0	1983	N/A	KURIM TISNOV	CZE	49.30	16.30	400	5.51	1988	74.0
8480966.0	1984	S	LOCH MAREE	GBR	57.35	5.10	250	7.49	1992	45.0
8480967.0	1984	N/A	LOWER GLEN TILT	GBR	56.40	4.35	150	7.63	1991	80.0
8580026.0	1985	B	KIURUVESI	FIN	63.40	26.40		4.50	1997	84.5
8780774.0	1987	B	ROKISKIS	LTU	55.48	25.33	120	6.66	1989	8.5
8780775.0	1987	B	TRAKAI	LTU	54.32	24.55	160	6.64	1989	26.0
8780776.0	1987	B	KAZLU-RUDA	LTU	54.42	23.35	70	6.35	1989	14.8
8812097.0	1988	B	GRAND LAKE	CAN	46.05	66.05	46			
88880700.0	1988	B	HALLESTAD DISTRICT	SWE	58.46	15.35	85	4.01	1989	93.2
88880701.0	1987	B	RUMSULLA DISTRICT	SWE	57.41	15.35	150	5.01	1989	91.5
9180001.0	1991	B	CUGIR SEED ORCHARD	ROM	45.52	23.23	230	7.93	1992	74.8
9180064.0	1991	B	VEHKALAHTI	FIN	60.35	27.20		4.83	1997	80.0
9680233.0	1996	N/A	ANCIA	LTU	54.15	24.40	108	7.29	1997	59.0
9680234.0	1996	N/A	DANAVA	LTU	53.55	23.40	80	7.11	1997	86.0
<i>Pinus sylvestris var. mongolica</i>										
7393100.0	1973	B	HEILONGJIANG PROVINCE	CHN	47.00	127.00		7.50	1991	49.2
8380670.0	1983	N/A	SUNG-HUA-CHIANG	CHN	46.00	127.00	700	7.17	1985	79.5
8480976.0	1984	N/A	JILIN PROVINCE	CHN	43.00	126.00		6.31	1985	26.6
8481646.0	1984	N/A	BAIJINNA, HEILONGJIANG	CHN	52.21	125.40		5.19	1991	77.8
<i>Pinus sylvestris var. rigensis</i>										
8380001.0	1983	N/A	RIGA	LVA	56.53	24.08		6.23	1991	81.2

Seed Centre Number/ Numéro de Centre de semences	Centre Année de récolte	Coll. Year/ Type de récolte	Collection Type	Collection Provenance	Province Code provincial	Country Code de pays	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: Germ.	
<i>Pinus tabulaeformis</i> [Chinese pine] 8380679.0	1983	N/A	WEINAN, SHAANXI PROV.	CHN	35.00	109.00	800	36.05	1985	32.0	
<i>Pinus taiwanensis hupata</i> [Formosa pine] 1180063.0	N/A	N/A	TAYULING JEOLIANGCHI	CHN CHN			2600 700	9.67 8.47	1992	50.0	
<i>Pinus thunbergii</i> [Japanese black pine] 7487520.0	1974	N/A	AOMORI PREFECTURE ISHIKAWA PREFECTURE CHANG-WEI, SHANDONG PROV	JPN JPN CHN	40.47 36.49 36.00	140.20 136.49 120.00	60 5 100	11.24 17.65 10.72	1989 1986 1991	68.2 94.5 77.3	
<i>Pinus wallichiana</i> [Himalayan pine] 8380002.0	1983	N/A	HIMALAYA HUTU,RARA	NPL	29.32	82.05	3010	42.12	1988	61.0	
	1983	N/A	SAGAIMATHA, JUNBESI FOR.	NPL	27.34	86.34	2760	40.92 41.96	1988	53.0 93.0	
<i>Platycladus orientalis</i> 8330018.0	1983	B	FONTHILL	ON	CAN	43.02	79.17	200	20.48	1986	53.5
<i>Platanus occidentalis</i> [sycamore; platan tree] 8330042.0	1983	B	NIAGARA FALLS TOWNSHIP	ON	CAN	43.03	79.08	2.86	1986	19.0	
9230110.0	1992	B	WALSINGHAM	ON	CAN	42.41	80.32	2.23			
<i>Populus balsamea</i> [balsam poplar; peuplier baumier] 9430012.0	1994	S	PETAWAWA	ON	CAN	45.54	77.19				
<i>Populus grandidentata</i> (large-tooth aspen; peuplier à grandes dents) 6830010.0	1968	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.01	77.25	150	0.05	1992	
7830050.0	1978	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	46.01	77.25	150	0.08	1992	
7830050.0	1978	N/A	PETAWAWA NAT. FOR. INST.	ON	CAN	46.01	77.24		0.08	1992	
9230012.0	1992	S	PETAWAWA NAT. FOR. INST.	ON	CAN	46.00	77.26		0.09	1992	
9230013.0	1992	S	PETAWAWA NAT. FOR. INST. LEMKE LAKE	ON	CAN	45.50	77.15		0.09	1992	
9230014.0	1992	S	C.F.B. PETAWAWA	ON	CAN	45.57	77.23		0.10	1992	
9230015.0	1992	S	C.F.B. PETAWAWA	ON	CAN	46.53	77.19		0.10	1992	
9230016.0	1992	S	C.F.B. PETAWAWA	ON	CAN	45.57	77.23		0.08	1992	
9230017.0	1992	S	C.F.B. PETAWAWA	ON	CAN	46.53	77.19		0.09	1992	
9230018.0	1992	S	C.F.B. PETAWAWA	ON	CAN	46.53	77.19		0.10	1992	
9230019.0	1992	S	C.F.B. PETAWAWA	ON	CAN	46.53	77.19		0.08	1992	
9230020.0	1992	S	CHALK RIVER	ON	CAN	46.03	77.31		0.10	1992	
9230021.0	1992	S	C.F.B. PETAWAWA	ON	CAN	45.57	77.23		0.10	1992	

Seed Centre Number/ Coll. Year/ Collection	Année	Type	Province	Country	Elevation/ Altitude	Test:
Numéro de Centre de semences	de récolte	Provenance	Code provincial	Code de pays	Longitude (m)	Year/ Année
					PMS	Germ.
<i>Pseudotsuga menziesii</i> var. <i>glauca</i> [Rocky Mountain Douglas-fir; Douglas bleu] (continued/suite)						
6871090.0	1968	B	PINE TAN	CAN	50.45	119.55
6981790.0	1969	B	CLEAR CREEK	USA	36.03	106.50
7172040.0	1971	B	ADAMS LAKE	CAN	51.26	119.28
8270007.0	1982	N/A	ADAMS LAKE	BC	51.25	199.27
8270008.0	1982	N/A	CLEARWATER	BC	50.25	119.55
8285430.0	1982	N/A	OTERO COUNTY	NM	33.00	105.30
8570015.0	1985	N/A	TURTLE VALLEY	BC	50.45	119.28
8570016.0	1985	N/A	CHASE CREEK	BC	50.40	119.39
8570017.0	1985	N/A	HEFFELY LAKE	BC	50.49	120.02
8860060.0	1988	B	HILLCREST CREEK	AB	49.22	114.22
8860061.0	1988	B	HILLCREST CREEK	AB	49.33	114.22
8870005.0	1988	N/A	WEST LAKE	BC	53.27	123.07
9070014.0	1990	N/A	NOTCH HILL	BC	50.50	119.20
9070054.0	1990	N/A	BARRIERE	BC	51.11	120.08
9270346.0	1992	N/A	LAC LA HACHE	BC	51.46	121.17
9370030.0	1993	N/A	LUMBY	BC	50.54	119.11
<i>Pseudotsuga menziesii</i> var. <i>menziesii</i> [Douglas-fir; Douglas vert]						
6470290.0	1964	B	QUEENSL	BC	53.14	122.30
6671200.0	1966	B	ELK VALLEY	BC	49.45	125.50
6772350.0	1967	B	FRANKLIN RIVER	BC	49.06	124.46
6782360.0	1967	B	PACKWOOD	WA	46.34	121.40
6971750.0	1969	B	HORSEFLY	BC	52.18	121.19
6981760.0	1969	B	EUGENE	OR	44.01	123.23
7175610.0	1971	B	HAT CREEK	BC	50.51	121.30
7373390.0	1973	B	JOHNSON LAKE	BC	51.10	121.30
8270000.0	1982	B	ATNARKO RIVER	BC	52.21	126.02
8270009.0	1982	N/A	COURTENAY	BC	49.39	124.53
8370004.0	1983	N/A	CAMPBELL RIVER	BC	49.45	125.00
8871797.0	1988	B	140 MILE HOUSE	BC	52.00	121.50
9070753.0	1990	B	FORT ST. JAMES	BC	54.30	124.10
9275444.0	1992	B	ADAMS LAKE	BC	51.20	119.30
9270181.0	1993	B	EAGLE BAY	BC	50.50	119.20
<i>Ptelea trifoliata</i> [common hoptree; ptépéa trifolié]						
9230104.0	1992	B	RIDGEWAY	ON	CAN	42.50
<i>Pterocarpus macrocarpus</i>						
8660784.0	1986	N/A	MERAK-LEK	THA		

Seed Centre Number	Centre	Coll. Year	Collection Type	Province	Country Code	Elevation/ Altitude (m)	TSW PMS	Year/ Année	Test: % Germ.
		Année de semences	Type de récolte	Provenance	Code provincial de pays	Latitude	Longitude		
9710038.0	<i>Quercus rubra</i> [red oak; chêne rouge]	1997	S	TRACY	NB CAN	45.40	66.44	110	0.00
8880704.0	<i>Rhamnus frangula</i> [glossy buckthorn; nerprun bordaine]	1988	B	INGATORP DISTRICT	SWE	57.37	15.24	165	18.57
9610015.0	<i>Rhus typhina</i> [staghorn sumac; sumac vinaigrier]	1996	S	DUMFRIES	NB CAN	45.58	67.07	90	9.92
9710025.0		1997	B	TRACY	NB CAN	45.39	44.45	110	7.55
9710030.0		1997	B	FOX HILL	PE CAN	46.24	62.55	35	5.79
8431615.0	<i>Robinia pseudoacacia</i> [black locust; robinier faux-acacia]	1984	S	ELIZABETHVILLE	ON CAN	44.03	78.26	200	22.12
8431616.0		1984	S	ELIZABETHVILLE	ON CAN	44.03	78.26	200	19.86
8480983.0	<i>Sabin chinensis</i>	1984	N/A	INNER MONGOLIA PROVINCE	CHN	40.00	111.00	23.74	19.85
9710017.0	<i>Sambucus canadensis</i> [American elder; sureau blanc]	1997	B	NEW MARYLAND	NB CAN	45.52	66.41	100	1.41
9710018.0		1997	B	WOODLANDS	NB CAN	46.20	66.45	200	1.62
9710031.0	<i>Sambucus pubens</i> [Eastern red elderberry; sureau rouge]	1997	B	NASHWAAKSIS	NB CAN	45.59	66.38	80	1.43
9710032.0		1997	B	WOODLANDS	NB PE	46.11	66.46	200	1.56
9710033.0		1997	B	CAVENDISH	PE CAN	46.30	63.24	8	1.49
8880703.0	<i>Sambucus racemosa</i> [European red elder]	1988	B	LOMMARYD DISTRICT	SWE	57.53	14.45	240	2.12
9230066.0	<i>Sassafras albidum</i> [sassafras; sassafras officinal]	1992	B	SOUTHERN ONTARIO	ON CAN			126.85	
8780167.0	<i>Schinus patagonicus</i>	1987	N/A	EL BOLSON, RIO NEGRO	ARG	41.50	71.34	450	22.89
8430060.0	<i>Sorbus americana</i> [American mountain-ash; sorbier d'Amérique]	1984	B	INTERSECTN HWY 127 & 60	ON CAN	45.29	78.11	400	1.89
8711220.0		1987	B	LOCHABER MINES	NS CAN	44.56	62.32	30	1.84
9230124.0		1992	S	PETAWAWA NAT. FOR. INST.	ON CAN	45.58	77.30		65.0

Seed Centre Number/ Numéro de Centre	Coll. Year/ Année de semences	Collection Type de récolte	Collection Type de récolte	Province Provincial Code	Country Code	Code de pays	Latitude	Longitude	Elevation/ Altitude (m)	TSW PMs	Year/ Année	Test: Germ.
<i>Sorbus aucuparia</i> [European mountain-ash; sorbier des oiseleurs]												
8330031.0	1983	S	TORONTO	ON	CAN	ROM	43.43 45.24	79.23 22.55	150 950	3.13 5.09	1984	34.0
9180091.0	1991	B	CIRNIC O.S. PUI									
<i>Sorbus decora</i> [showy mountain-ash; sorbier décoratif]												
9230125.0	1992	S	CHALK RIVER	ON	CAN	CAN	46.03 46.30	77.31 63.24		1.76		
9710014.0	1997	B	CAVENDISH	PE	CAN	CAN	46.09	62.50	8	4.12		
9710015.0	1997	B	ORWELL	PE					10	2.90		
<i>Sorbus intermedia</i> [Swedish whitebeam]												
8981100.0	1989	B	INGATORP DISTRICT	SWE			57.38	15.27		16.81	1992	77.8
<i>Thuja occidentalis</i> [Eastern white-cedar; thuja occidentalis]												
9130051.0	1991	S	LAKE DORE	ON	CAN	CAN	45.36	77.06		1.27	1992	63.0
9130052.0	1991	S	LAKE DORE	ON	CAN	CAN	45.37	77.13		1.76	1992	84.5
9130053.0	1991	B	LA PASSE	ON	CAN	CAN	45.49	76.46		1.26	1992	58.5
9130054.0	1991	S	LA PASSE	ON	CAN	CAN	45.49	76.46		1.02	1992	33.7
9230090.0	1992	S	PETAWAWA	ON	CAN	CAN	45.54	77.17		1.42	1993	72.0
9230091.0	1992	S	PETAWAWA	ON	CAN	CAN	45.54	77.17		1.64		
9230095.0	1992	B	CORMAC	ON	CAN	CAN	45.58	77.18		1.82	1993	88.8
9230096.0	1992	B	LA PASSE	ON	CAN	CAN	45.59	76.46		1.21	1993	72.8
9230097.0	1992	S	PETAWAWA	ON	CAN	CAN	45.54	77.17		1.25	1993	54.2
9410132.0	1994	B	KINGSCLEAR	NB	CAN	CAN	45.33	66.48	30	1.20	1998	54.5
<i>Thuja plicata</i> [Western redcedar; thuja géant]												
7870000.0	1978	B	ERIE MOUNTAIN	BC	CAN	CAN	49.12	117.23	1200	0.97	1997	53.8
8270041.0	1982	B	WHISKY CAMP	BC	CAN	CAN	51.33	119.43	1030	15.25	1997	66.5
8370633.0	1983	B	LANTZVILLE	BC	CAN	CAN	49.14	124.00	90	0.88	1989	0.8
8370634.0	1983	B	YELLOW POINT	BC	CAN	CAN	49.03	123.48	61	0.95	1989	0.1
8570000.0	1997	B	BLUE MOUNTAIN	BC	CAN	CAN	49.14	122.38	290	1.10	1997	77.0
9270350.0	1992	B	AGATE BAY	BC	CAN	CAN	51.08	120.07		1.22	1993	66.0
9370180.0	1993	B	SICAMOUS	BC	CAN	CAN				1.24	1995	81.0
<i>Tilia americana</i> [basswood; tilleul d'Amérique]												
6430380.0	1964	N/A	LAKE DORE	ON	CAN	CAN	45.38	77.04		106.72		
7031680.0	1970	S	CENTRE LAKE	ON	CAN	CAN	45.57	77.30	190	157.83		
8530066.0	1985	B	PEMBROKE	ON	CAN	CAN	45.49	77.07	110	139.09	1986	5.0
8930018.0	1989	S	PETAWAWA NAT. FOR. INST.	ON	CAN	CAN	46.00	77.25		134.77		
8930019.0	1989	S	PETAWAWA NAT. FOR. INST.	ON	CAN	CAN	46.00	77.25		148.95		

Seed Centre Number	Centre	Collection Year	Collection Type	Province	Country	Elevation/	Test:
Numéro de Centre de semences	Année de récolte			Code provincial	Code pays	Altitude (m)	Year/ Année Germ.
<i>Tilia euchlora</i> [Crimea linden]							
8330067.0		1983	S	TORONTO	ON CAN	43.42	79.23 150 0.00
<i>Tsuga canadensis</i> [Eastern hemlock; pruche du Canada]							
8430075.0		1984	B	DENBIGH	ON CAN	45.09	77.10 300 3.13 1991 11.0
8930041.0		1989	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.27 3.36 1989 38.8
8930042.0		1989	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.27 2.79 1989 63.8
8930044.0		1989	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.27 2.50 1989 34.0
8930045.0		1989	S	PETAWAWA NAT. FOR. INST.	ON CAN	46.00	77.27 3.25 1989 66.0
9110203.0		1991	B	FRENCH VILLAGE	NIS CAN	44.46	63.48 120 69.0
9110225.0		1991	B	TOMAHAWK LAKE	NIS CAN	44.46	63.48 122
9180099.0		1991	B	SIMERIA ARBORETUM	ROM CAN	45.51	23.01 200 4.21
9230082.0		1992	S	PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.27 3.03
9230083.0		1992	S	PETAWAWA NAT. FOR. INST.	ON CAN	45.59	77.27 2.57 1993 1.8
9610007.0		1996	S	KINGSCLEAR NURSERY	NB CAN	45.58	66.48 30 3.56 1997
9610009.0		1996	S	KINGSCLEAR NURSERY	NB CAN	45.58	66.48 30 2.91 1997 1.0
<i>Tsuga heterophylla</i> [Western hemlock; pruche de l'Ouest]							
7272030.0		1972	B	QUEEN CHARLOTTE ISLANDS	BC CAN	53.35	132.20 75 1.60 1989 2.2
7470000.0		1974	B	SLESSE CREEK	BC CAN	49.03	121.39 305 2.05 1997 69.0
7970001.0		1979	B	NORRISH	BC CAN	49.16	122.07 1000 1.92 1997 70.0
8871108.0		1988	B	NORTHWEST BAY	BC CAN	49.13	124.22 600 1.72 1990 75.8
8871109.0		1988	N/A	MATTHEW LAKE	BC CAN	49.28	124.54 900 1.99 1990 17.0
8871106.0		1989	B	VALENTINE MOUNTAIN	BC CAN	48.32	123.54 890 2.17 1992 93.5
8971107.0		1989	B	COPPER CANYON	BC CAN	50.01	123.51 350 1.97
9270348.0		1992	B	DEEP BAY	BC CAN		1.97 1993 88.5
<i>Tsuga mertensiana</i> [mountain hemlock; pruche subalpine]							
8270003.0		1982	B	ROCK CREEK	BC CAN	49.18	122.24 900 2.45 1997 93.0
8270556.0		1982	B	THEODOSIA INLET	BC CAN	50.10	126.30 1150 2.34 1989 26.0
8871107.0		1988	B	GRASSIE MOUNTAIN	BC CAN	49.08	124.40 900 3.02 1990 44.2
8970433.0		1989	B	VALENTINE MOUNTAIN	BC CAN	48.32	123.54 890 2.11 1990 74.0
<i>Ulmus americana</i> [white elm; orme d'Amérique]							
8730163.0		1987	S	PEMBROKE	ON CAN	45.48	77.08 150 4.62 1987 33.2
8730164.0		1987	S	PEMBROKE	ON CAN	45.48	77.08 150 4.35 1987 28.0
8730175.0		1987	B	PEMBROKE	ON CAN	45.48	77.08 150 5.56 1987 42.8
9230035.0		1992	S	PEMBROKE	ON CAN		7.02 1992 96.5
<i>Ulmus glabra</i> [Scotch elm; orme de montagne]							
8580008.0		1985	B	HELSINKI	FIN	60.16	25.00 10.35 1985 29.

Seed Centre Number	Centre	Coll. Year/ Année de semences	Collection Type de récolte	Province provincial de pays	Country Code	Elevation/ Altitude (m)	Test: TSW Year/ PMS Année Germ.
				de récolte	Provenance	Latitude	Longitude
<i>Ulmus laevis</i> [European white elm]							
8580009.0		1985	B HELSINKI		FIN	60.16	25.00
<i>Viburnum alnifolium</i> [hobblebush; viorne à feuilles d'aulne]							
9610003.0		1996	B WOODLANDS	NB	CAN	46.22	66.76
<i>Viburnum cassinoides</i> [witherod; viorne cassinoïde]							
9310173.0		1993	B MOOSE RIVER	NS	CAN	45.02	63.09
<i>Viburnum lentago</i> [sweet viburnum; viorne flexible]							
9330034.0		1993	B CHALK RIVER	ON	CAN	46.03	77.31
<i>Viburnum opulus</i> [European cranberry; virome obien]							
83880702.0		1988	B INGATORP DISTRICT	SWE	57.38	15.27	220
<i>Viburnum trilobum</i> [cranberry viburnum; viorne trilobée]							
9710012.0		1997	B PRINCE WILLIAM	NB	CAN	45.32	67.03
9710013.0		1997	B AFTON ROAD	PE	CAN	46.23	62.56
						30	31.65