



Tree Selections for Healthy Landscapes

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L.O. Growers Commodity Group



Tree Selections for Healthy Landscapes

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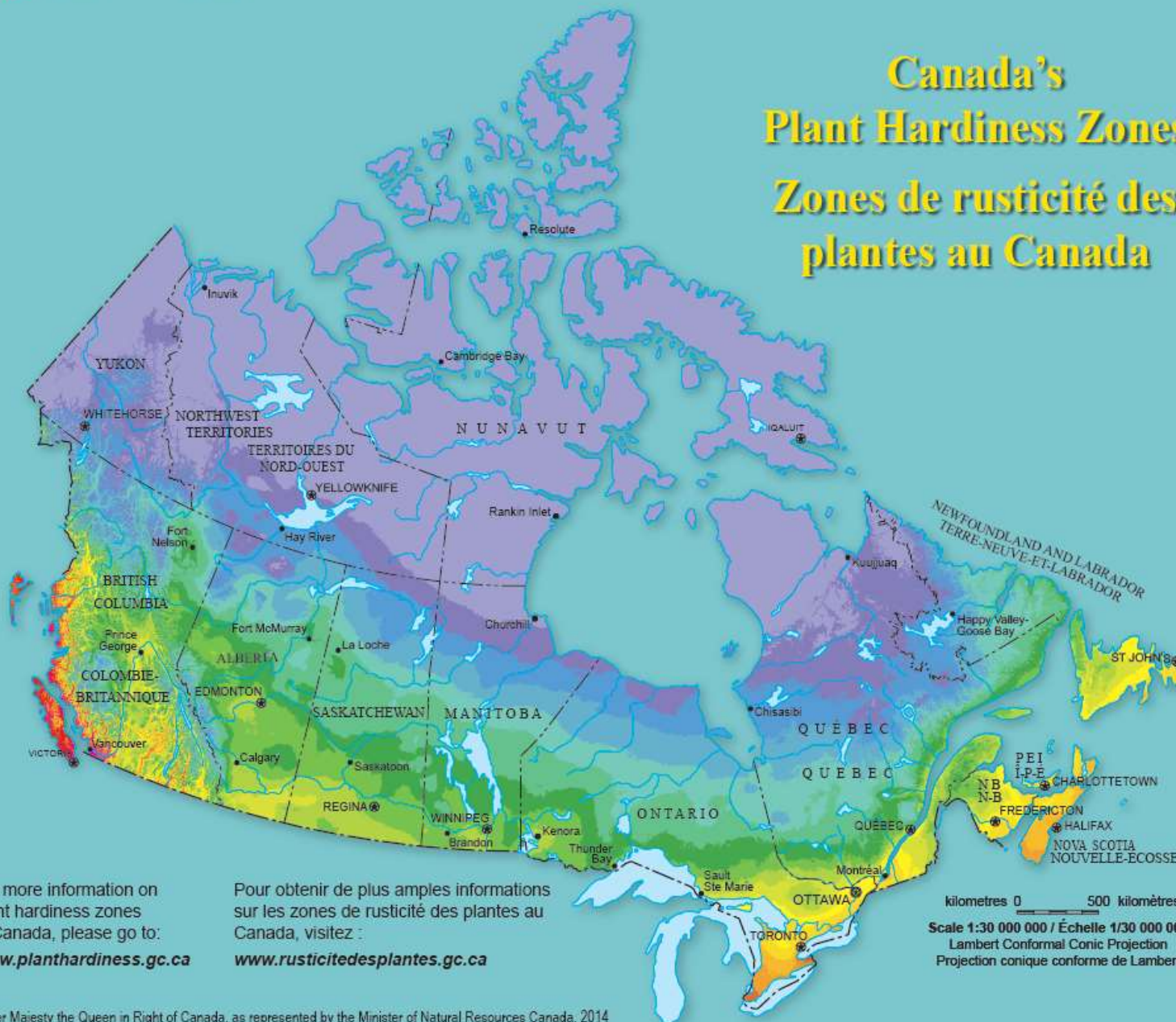


GROWERS GROUP



Canada's Plant Hardiness Zones

Zones de rusticité des plantes au Canada



Zone
0a
0b
1a
1b
2a
2b
3a
3b
4a
4b
5a
5b
6a
6b
7a
7b
8a
8b
9a

For more information on plant hardiness zones in Canada, please go to:
www.planthardiness.gc.ca

Pour obtenir de plus amples informations sur les zones de rusticité des plantes au Canada, visitez :
www.rusticitedesplantes.gc.ca

kilometres 0 500 kilometres
 Scale 1:30 000 000 / Échelle 1/30 000 000
 Lambert Conformal Conic Projection
 Projection conique conforme de Lambert

Matador™ Maple (*Acer freemanni* 'Bailston')



- Zone 4
- Height- 14m
- Width- 9m
- Soil- adaptable

Matador™ Maple (Acer freemanni 'Bailston')



- Excellent city tree as it tolerates urban conditions.
- Fast growing, better structure
- >Dramatic red colour in the fall.
- Fall colour starts a little later than other freemanni

Pacific Sunset® Maple

(*Acer truncatum* x *platanoides* 'Warrenred')



Pacific Sunset® Maple

(*Acer truncatum* x *platanoides* 'Warrenred')



- Zone 5
- Height- 9m
- Width- 8m
- Soil- adaptable

Pacific Sunset® Maple

(*Acer truncatum* x *platanoides* 'Warrenred')



- Very insect tolerant
- Upright spreading form has glossy green leaves turning a bright orange-red
- Less freeze cracking
- Low seed viability

Crimson Sunset® Maple

(*Acer truncatum* x *platanoides* 'JFS-KW202')



- Similar to 'Crimson King' but more heat/drought tolerant
- Leaves retain rich, dark, glossy colour all season.
- Very pest tolerant
- Less freeze cracking
- Low seed viability

Crimson Sunset® Maple

(*Acer truncatum* x *platanoides* 'JFS-KW202')



- Zone 4
- Height- 11m
- Width- 8m
- Soil- adaptable



Redpointe® Maple (*Acer rubrum* 'Frank Jr.')



- Zone 4
- Height- 14m
- Width- 9m
- Soil- adaptable

Redpointe® Maple (Acer rubrum 'Frank Jr.')



- Strong central leader and is a brilliant red in the fall.
- Tighter canopy
- More tolerant of higher soil pH
- More fibrous root system- fall dig

'Morgan' Maple (Acer rubrum 'Morgan')



- Zone 4
- Height- 13m
- Width- 12m
- Soil- adaptable

'Morgan' Maple (Acer rubrum 'Morgan')



- Vigorous growth
- Extremely hardy
- Beautiful red fall colour
- Introduced by Dr. Morgan - Macdonald College, QC

State S

(bei 'Morton')



State Street® Maple (Acer miyabei 'Morton')



- Zone 4
- Height- 15m
- Width- 10m
- Soil- adaptable
- Japan

State Street® Maple (Acer miyabei 'Morton')



- Symmetrical branching structure
- Yellow fall colour
- Slow growing, from Japan
- An upright oval tree with corky bark
- Very adaptable to urban conditions.

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Apollo® Maple

(*Acer saccharum* 'Barrett Cole')



- Zone 5
- Height- 9m
- Width- 3m
- Soil- well drained

Apollo® Maple

(*Acer saccharum* 'Barrett Cole')



- Excellent heat tolerance
- Compact, Narrow form that resembles the Apollo spaceship in fall
- Good pest tolerance (JB)

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American Fringe Tree (Chionanthus virginicus)



- Zone 5
- Height- 5m
- Width- 6m
- Soil- moist, fertile, tolerates clay and drought

American Fringe Tree (*Chionanthus virginicus*)



- Tolerates air pollution
- Adapts well to urban conditions
- Greenish-white flowers that hang in a cluster, Very fragrant

Cornelian Cherry Dogwood (*Cornus mas*)



Cornelian Cherry Dogwood (Cornus mas)



- Zone 4
- Height- 5m
- Width- 5m
- Soil- adaptable

Cornelian Cherry Dogwood (*Cornus mas*)



- Small stature, compact
- Pest tolerant
- Full Sun/Part Shade
- Berries are edible, high in Vitamin C

Espresso™ Kentucky Coffee Tree

(*Gymnocladus dioica* 'Espresso-JFS')



Espresso™ Kentucky Coffee Tree

(*Gymnocladus dioica* 'Espresso-JFS')



- Zone 4
- Height- 15m
- Width- 10m
- Soil- adaptable



Espresso™ Kentucky Coffee Tree

(*Gymnocladus dioicus* 'Espresso-JFS')



- Excellent urban site tolerance
- Good Form, Strong, Branches out faster
- Deep Gold Fall Colour
- No known pests

Seven-Son Tree (*Heptacodium micronoides*)



Seven-Son Tree

(*Heptacodium micronoides*)



- Zone 5b
- Height- 4.5m
- Width- 4.5m
- Soil- adaptable
- Showy fruit last into late fall
- China

Seven-Son Tree

(*Heptacodium miconioides*)



- Excellent urban site tolerance
 - Year round interest
- September:
fragrant white flowers
- Fall:
purple-red fruit
- Winter: Bark exfoliates

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Amur Maackia Tree (*Maackia amurensis*)



- Zone 3
- Height- 8m
- Width- 6m
- Soil: well-drained
- Asian
- Wind tolerant, tough

Amur Maackia Tree (*Maackia amurensis*)



- Upright, round habit
- Very adaptable to urban conditions.
- Shiny bark will exfoliate when mature
- White flower spikes mid-summer.

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ntzam')



Centurion® Crabapple (Malus 'Centzam')



- Zone 4
- Height- 8m
- Width- 6m
- Soil: well-drained

Centurion® Crabapple (Malus 'Centzam')



- Wonderful red flowers...fruit
- Leaves: emerge reddish-green ... bronze-green orange-red (fall)
- Excellent disease tolerance

Harvest Gold® Crabapple

(Malus 'Hargozam')



Harvest Gold® Crabapple

(Malus 'Hargozam')



- Zone 4
- Height- 8m
- Width- 6m
- Soil: well-drained
- Established: versatile soils

Harvest Gold® Crabapple

(Malus 'Hargozam')



- White flowers
Persistent yellow fruit
- Deep green leaves
- Sudbury 😊
- Excellent disease tolerance

Adirondack Crabapple (Malus 'Adirondack')

- Flowers profuse, white
- Orange-red fruit persists to December
- Foliage dark green
- Upright habit, 5.5 m
- Zone 5



Purple Wave Crabapple

(Malus 'Purple Wave')



Purple Wave Crabapple

(Malus 'Purple Wave')



- Zone 4
- Height- 6m
- Width- 6m
- Soil: well-drained



Sugar Tyme® Crabapple (Malus 'Sutyzam')



Sugar Tyme® Crabapple (Malus 'Sutyzam')



- Zone 5
- Height- 5.5m
- Width- 4.5m
- Soil: well-drained
- Established: versatile soils

Sugar Tyme® Crabapple (Malus 'Sutyzam')



- Pink buds...White flowers
- Winter: Persistent Pink-Red fruit
- Deep green leaves
- Excellent disease tolerance

Ex



Exclamation!™ Planetree

(Platanus x acerifolia 'Morton Circle')



- Zone 5 (hardier than P. occidentalis)
- Height- 16.5m
- Width- 10.5m
- Soil- adaptable
- Mildew tolerant
- orientalis x occidentalis

Exclamation!™ Planetree

(Platanus x acerifolia 'Morton Circle')



- Fast growing,
Strong central leader
- Excellent resistance to frost cracking & ice breakage
- Exfoliating bark stands out

Chestnut Oak (*Quercus montana* a.k.a. *Q. prinus*)



Chestnut Oak (*Quercus montana* a.k.a. *Q. prinus*)



- Zone 4
- Height- 15m
- Width- 12m
- Soil- adaptable
- Once established VERY drought tolerant, rocky soils

Chestnut Oak (*Quercus montana* a.k.a. *Q. prinus*)



- Excellent urban site tolerance
- Alkalinity pH
- Good Form, Strong
- Yellow-brown Fall Colour
- Acorns food

Copper Curls® Pekin Lilac

(*Syringa reticulata* ssp *pekinensis* 'SunDak')



Copper Curls® Pekin Lilac

(*Syringa reticulata* ssp *pekinensis* 'SunDak')



- Zone 3
- Height- 8m
- Width- 5m
- Soil- well-drained to adaptable

Copper Curls® Pekin Lilac

(*Syringa reticulata* ssp *pekinensis* 'SunDak')



- Very Showy
Flowers in June
- Showy coppery-orange exfoliating bark.
- Cold tolerant and withstands urban conditions.

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ee



Corinthian® Linden Tree

(*Tilia cordata* 'Corzam')



- Zone 4
- Height- 13.5m
- Width- 4.5m
- Soil- adaptable

Corinthian® Linden Tree

(*Tilia cordata* 'Corzam')



- Showy, Fragrant Flowers in late June
- More compact & narrow for smaller spaces, less pruning!
- Withstands urban conditions.

A photograph of a birch forest. The foreground is dominated by several vertical, white-barked birch tree trunks with characteristic dark lenticels and horizontal lenticels. The background is filled with a dense forest of birch trees, their leaves turned a vibrant yellow, suggesting an autumn setting. The lighting is soft and natural, highlighting the texture of the bark and the color of the foliage.

Thank
you

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Urban Pinnacle® Oak

(*Quercus macrocarpa* 'JFS-KW3')



- Zone 3
- Height- 16.5m
- Width- 7.5m
- Soil- adaptable
- Better transplant survivability

Urban Pinnacle® Oak

(*Quercus macrocarpa* 'JFS-KW3')



- Narrow, upright form smaller spaces.
- Once established heat and drought tolerant.
- Yellow-brown Fall Colour
- Acorns food

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robur x
macrocarpa



Heritage® Oak (Quercus x macdanielii 'Clemons')



- Zone 4
- Height- 15m
- Width- 12m
- Soil- adaptable
- Better transplant survivability (Milton-9)

Heritage® Oak (Quercus x macdanielii 'Clemons')



- Glossy leaves, heat and wind tolerance
- Good Upright Form, Strong
- Yellow-brown Fall Colour
- Mildew tolerant
- Acorns food







An Ever-Changing Culture

- With the demands of fall planting, growers having to harvest plants when not traditionally successful
- Production techniques had to change in order to accommodate this market

Building More Roots!

- Transplanting more frequently in the nursery
- Purchasing liners grown in air pruned pots or grow bags (e.g. *Quercus*, *Fagus*, *Carpinus*, *Acer rubrum*) build more fibrous feeder roots that ease transplant

Air Pots - more fibrous roots

- Many of our native species are difficult to transplant because of pruned root systems when digging



Picea - Air Pot



Italian Air Pot



Air Root-Pruning Container Production



Canopy Structure

bad

Canopy Structure

good

- Consider Plant Architecture that suits building architecture
- Can still maintain plant diversity within themes of plant architecture

Nice stress trees photo?

- Halifax – *Acer griseum*?

Growers and Arborists Day

- **September**
- Presentations
- Field Tours

- Growers host 2018
- Arborists host 2019

Acer
griseum



Acer griseum



A photograph of a birch forest. The foreground is dominated by several vertical, white-barked birch tree trunks with characteristic dark lenticels and horizontal lenticel scars. The background is a dense forest of birch trees with vibrant yellow autumn foliage. The lighting is soft and natural, suggesting a bright day. The overall mood is serene and peaceful.

Thank
you