

草地与花园

草地养护的基本知识

植物健康生长的基本要求

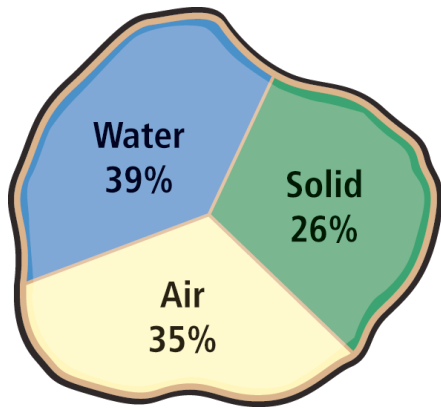
- 土——深耕、改良土壤、土壤普查和土地规划
- 肥——合理施肥
- 水——兴修水利和合理用水
- 种——培育和推广良种
- 密——合理密植
- 保——植物保护、防治病虫害
- 管——田间管理
- 工——工具改革

植物健康生长的基本要求

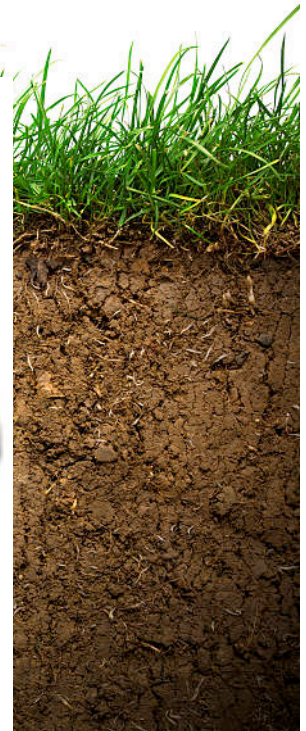
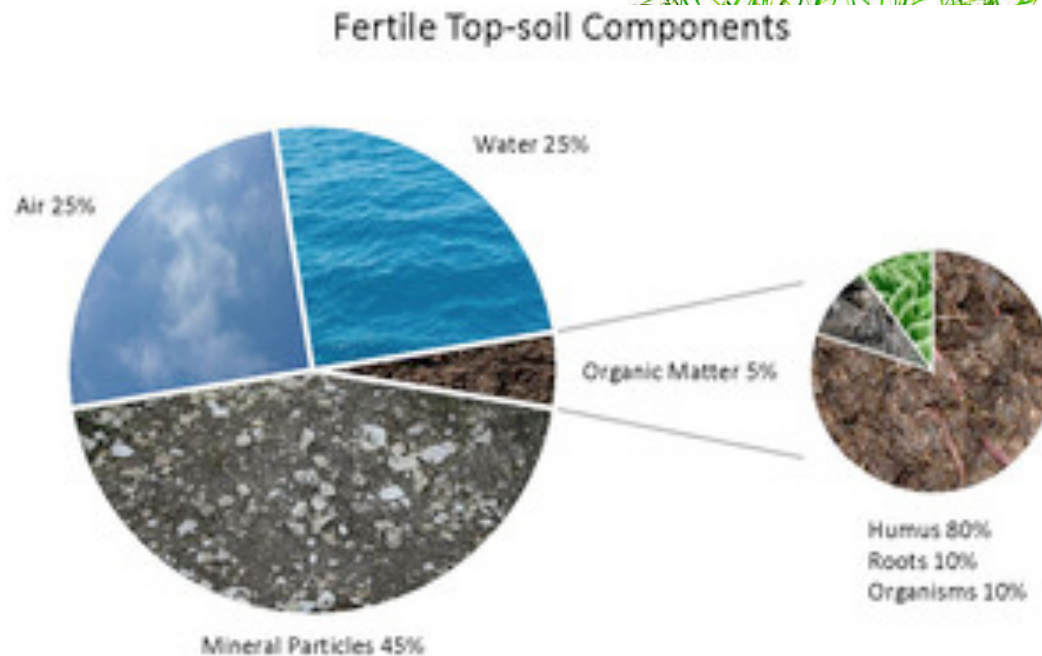
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土的作用和基本要求

- 土的基本功能是保水透气

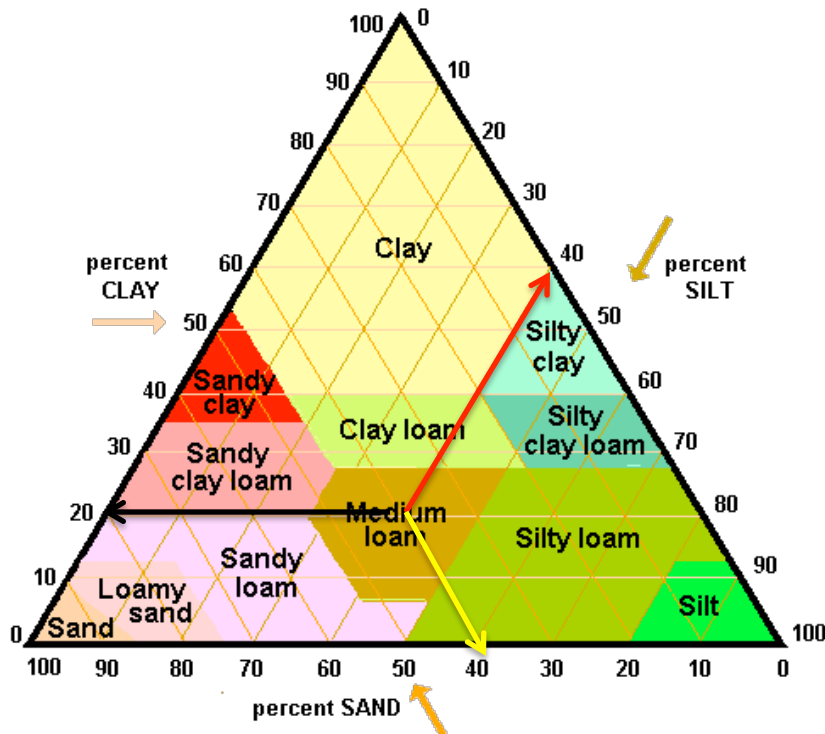


Sports Turf,



土的作用和基本要求

- 土的基本功能是保水透气
- 土壤质地 泥含量<30%



土的作用和基本要求

- 土的基本功能是保水透气
- 表土深度 8 寸 -12 寸 (20cm -40cm)
- 团粒结构
 - 腐殖质增加团粒结构 5%
 - 板结土壤需要松土 (秋季)



水肥问题

- 氮磷钾钙
 - 春季催叶
 - 秋季催根



常见草种

- Fescue Grass- 低光照， 干旱， 踩踏较多
- **Kentucky Bluegrass**
- 用的最多， 需要水肥充足， 需要除草剂， 阳光充足
- **Ryegrass** 抗踩踏， 生长快， 不耐旱



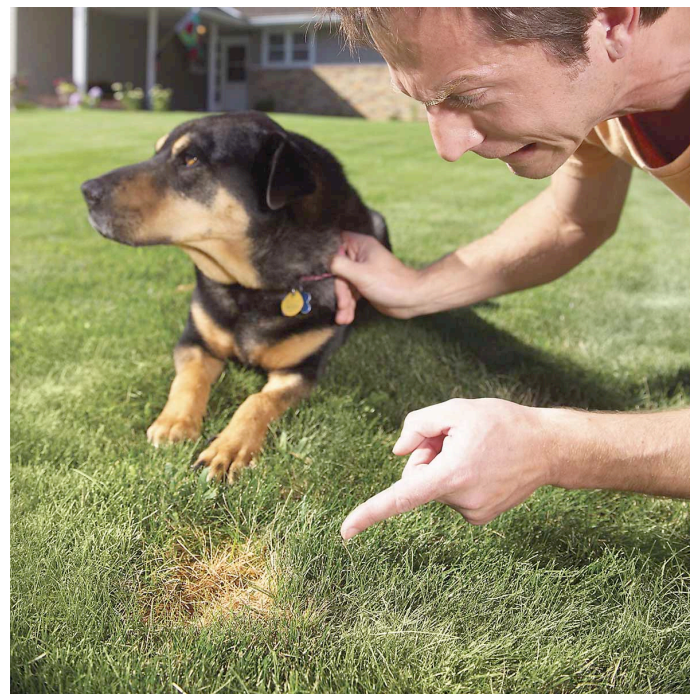
春季维护

- 耙草目标透气
- 雪压，积水， 枯草
- 沙土，盐，
- 补种秃斑
 - 松土
 - 播种
 - 浇水
- 施肥
 - 氮肥为主
- 除野草
 - 挖根
- 秋季别忘剪草，落叶粉碎
- <https://youtu.be/HTJWZ0ghvSQ> （春季）
- https://youtu.be/zqyqufQo_AA （除草剂， 叶子）



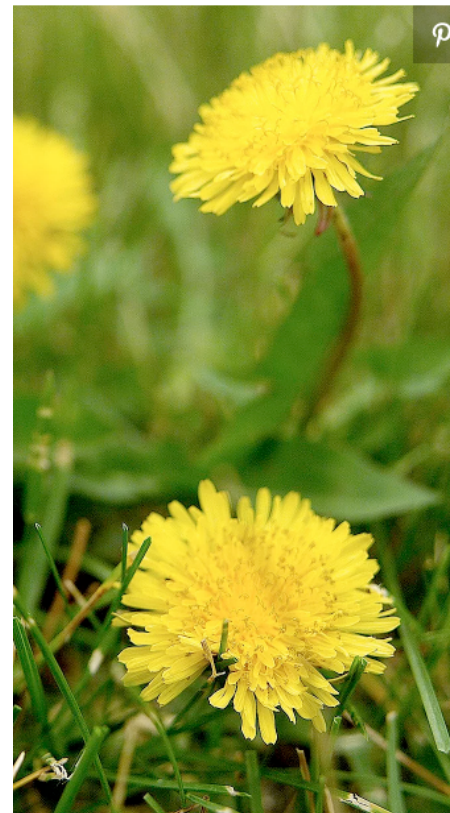
夏季注意事项

- 别等草太长，
 - 一次剪一半
- 别剪草机太短
 - 控制杂草， 减少干旱
- 雨天不剪草； 剪草机轮子印
 - 板结， 死草不透气
- 剪草机方向
- 刀片打磨
- 适当施肥
- 水洗狗斑



不是非长草不可

- 好看就行
- 好看的标准因人而异
- 知识改变观念





Weed or not

- Dandelion coffee is said to be a good tonic for the [liver](#).
- Dandelion tea is also currently being researched for [cancer](#) treatment.



Lawns vs Garden

- Personal Choice
- Lawns are beautiful
- Lawns has to be cut every week
- Lawns require more fertilizer
- Garden is more colorful
- Difficult areas
- Important areas
- Save water
- Vegetable Garden



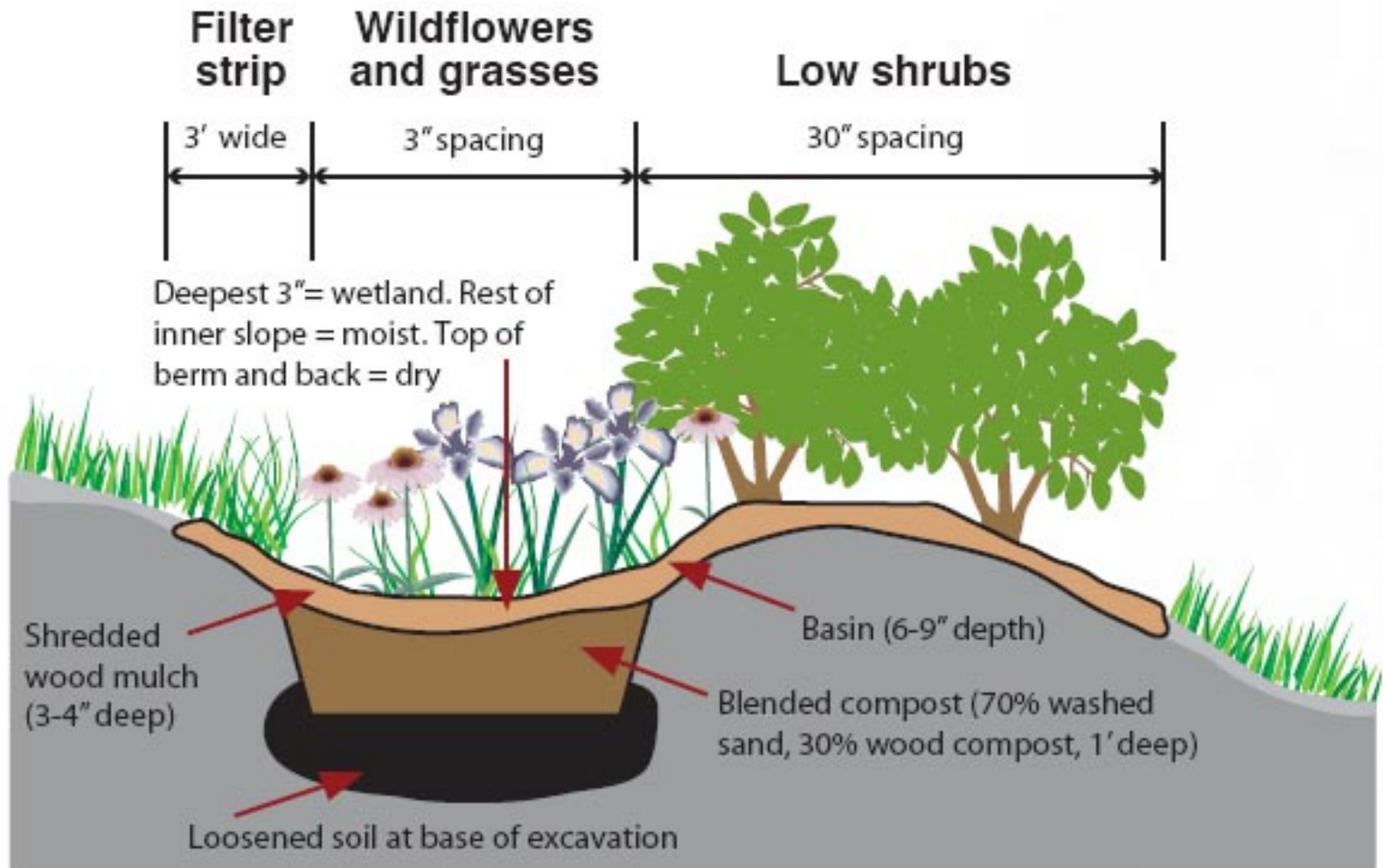
Good Locations of Rain Garden

- Hose side



Rain Garden

Typical Structure



Plant Selection

- 1. Climate and Micro-climate
 - Temperature, sun exposure, snow cover
- 3. Soil
 - Depth, Texture
- 4. Water and Soil moisture
- 5. Space available
- 6. Personal preferences

Selection of Plants for Garden

- Choose the right plant for your growing conditions-
- Sun, shade or part shade,
- Wet or dry,
- Evergreen, deciduous,
- **Perennial and annuals.**

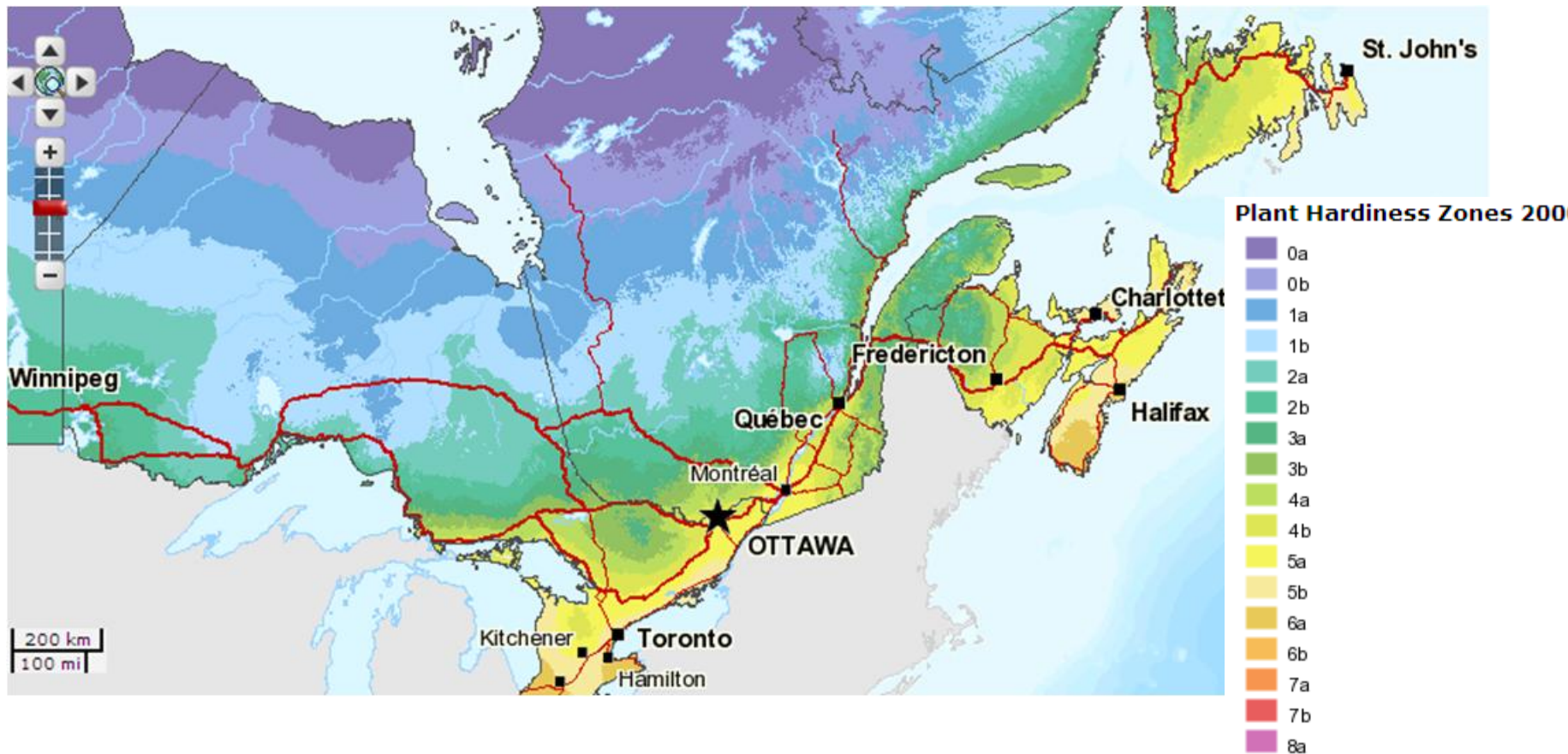
Annuals and Perennials

- Annuals need to be planted every year
- Some annuals, keep seeds and bulbs
- Perennial, grow back again next year by itself
- Grass is perennial
- *Careful, perennials could become pest plants
- Can they survive the winter?

What is a hardiness zone?

- Climate normal (1961-1990)
- 9 zones from 0 – 8 (from cold to warm)
- Each zone has “a” being harsher than “b.”
- Minimum and maximum temperatures,
- Average number of frost-free days
- Snow cover,
- Rainfall, wind patterns

Canada Hardening Zone Map

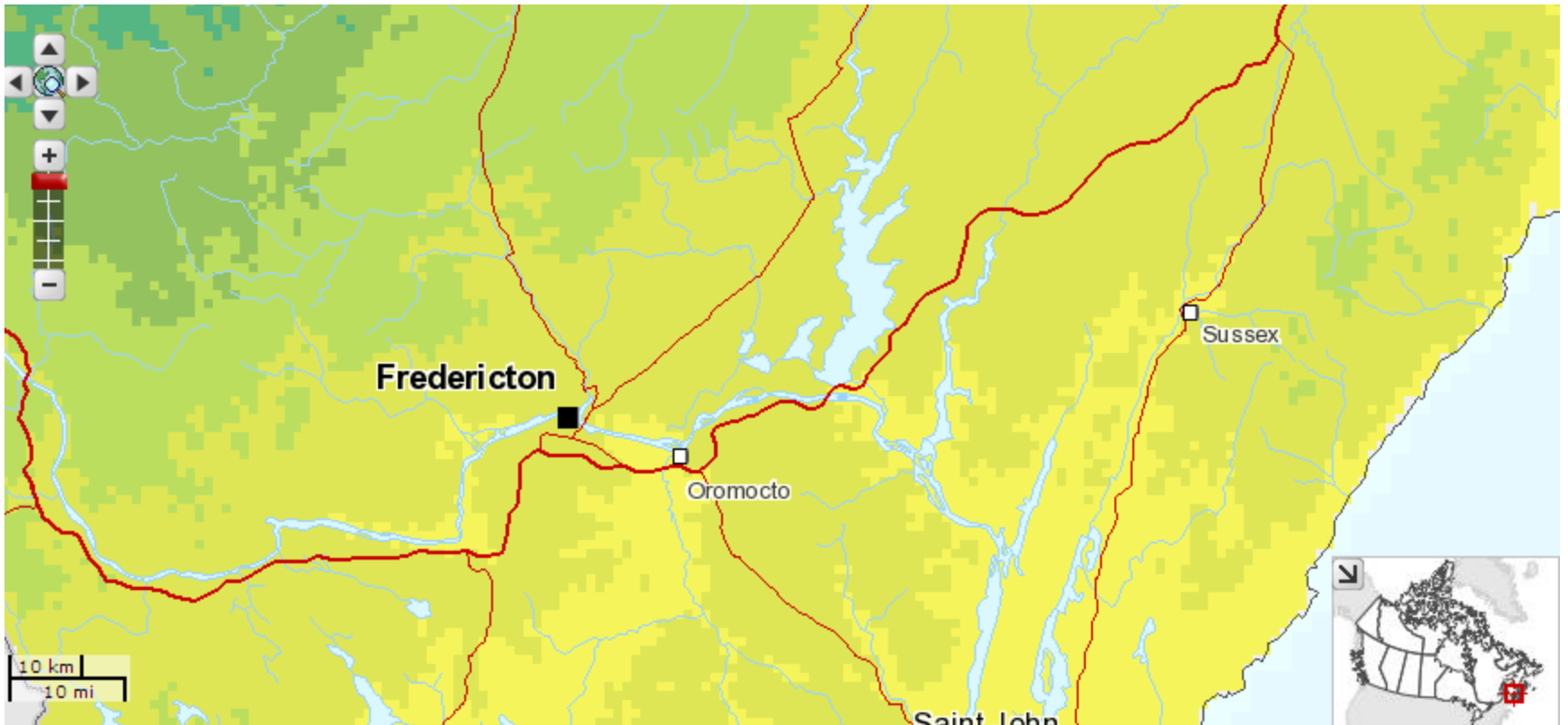


Hardening Zone of Plants

- For a region, lower number means cold
- For plants, a lower number means it can survive in the cold winter
- If plant labeled as zone 5, then grow in zone 5, 6, 7, 8.
- If you are in zone 5, you can grow plant with zone 0, 1, 2, 3, 4,5.
 - Plant with zone 7 will not survive.

Hardening Zone of Fredericton

- Zone 4b
- Consider to be zone 4-5



Hardening Zone

- Fredericton 4b-5a
- Sunny area, go with 5,
- Windy area go with 4
- look for plants that are hardy to Zone 5 or lower
- [Perennials](#) > Zone 6 may be sold as annuals
- **Ask garden centre professional for help.**
- **Spring Bulbs– annual, need to be take inside**
- **Fall bulbs– can be left in ground**

Frost Free Days

Winnipeg	MB	119	May 25	Sept. 22
Bathurst	NB	129	May 19	Sept. 26
Edmundston	NB	112	May 28	Sept. 18
<u>Fredericton</u>	<u>NB</u>	<u>124</u>	<u>May 20</u>	<u>Sept. 22</u>
Moncton	NB	125	May 24	Sept. 27
Saint John	NB	139	May 18	Oct. 4
Corner Brook	NF	142	May 22	Oct. 12
Gander	NF	123	Jun. 3	Oct. 5
Grand Falls	NF	115	Jun. 2	Sept. 26
St. John's	NF	131	Jun. 2	Oct. 12
Halifax	NS	166	May 6	Oct. 20
Kentville	NS	141	May 16	Oct. 5
St. John's	NS	144	May 24	Oct. 12

- 番红花,藏红花
 - Snow crocus
- 水仙花
 - **Daffodil**
- 郁金香
- **Hyacinth**



- Daffodil

















