



## Other Mulches

Mulches:  
Conserve  
Moisture  
&  
Protect  
Against  
Winter  
Cold

Use pine  
needles &  
cedar  
clippings  
on conifers  
only

Mulch  
Hybrid Tea  
roses with  
leaves &  
compost  
(they are  
not winter  
hardy in  
Ottawa)

Hybrid Tea

## Hanging Baskets And Pots Add Variety To A Yard\*

Impatiens

\* Add plenty of compost  
to hanging baskets &  
pots so they do not dry  
out quickly

Tuberous  
Begonia

Edible  
Newspaper forms

Malva

## Potting Soil & Transplanting

1 - Mix:

50%  
Soil

50%  
Compost  
(Nitrogen)

2 - Add:

Wood  
Ashes  
(K)

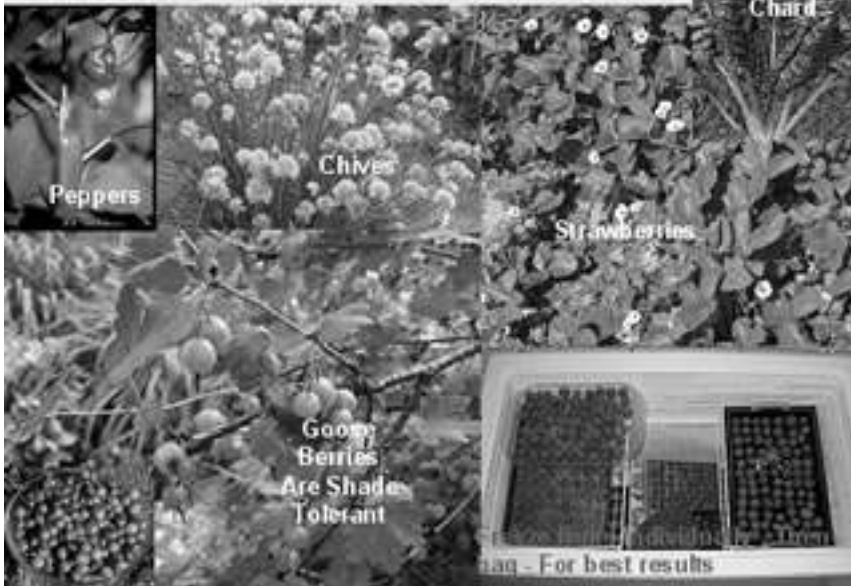
Dolomitic  
Limestone  
(Ca & Mg)

Bone  
Meal

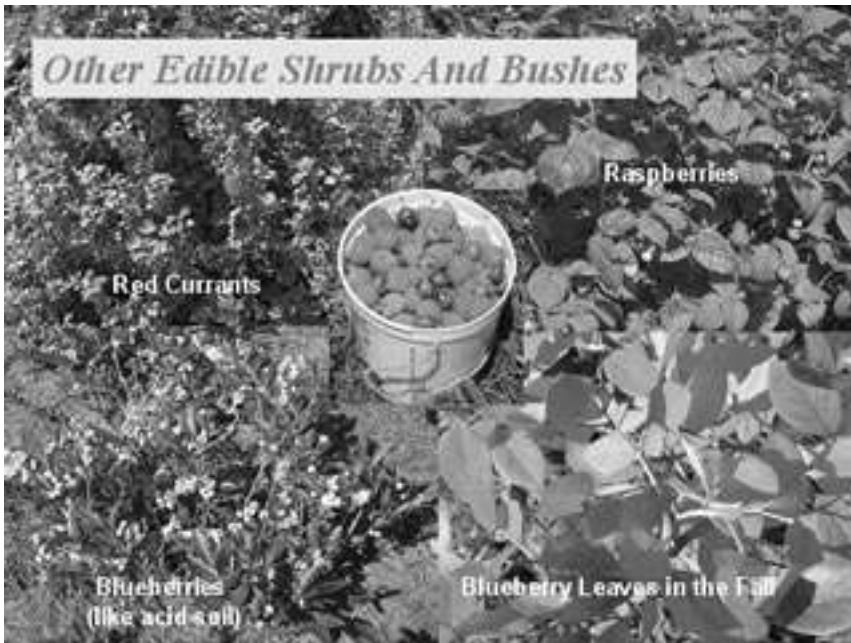
Start  
Them  
Young

3 - Transplant

*Add A Few Fruits & Edible Plants*



*Other Edible Shrubs And Bushes*




*Attract Beneficials And Pollinators*




*Attract With Feeders, Water &*




*Conserve Water*




**Traditional Mounded Bed**  
- Apply compost  
- Use soaker hose




**Remove all weeds as they use water**




**Water runs away from roots in the traditional mounded hill**



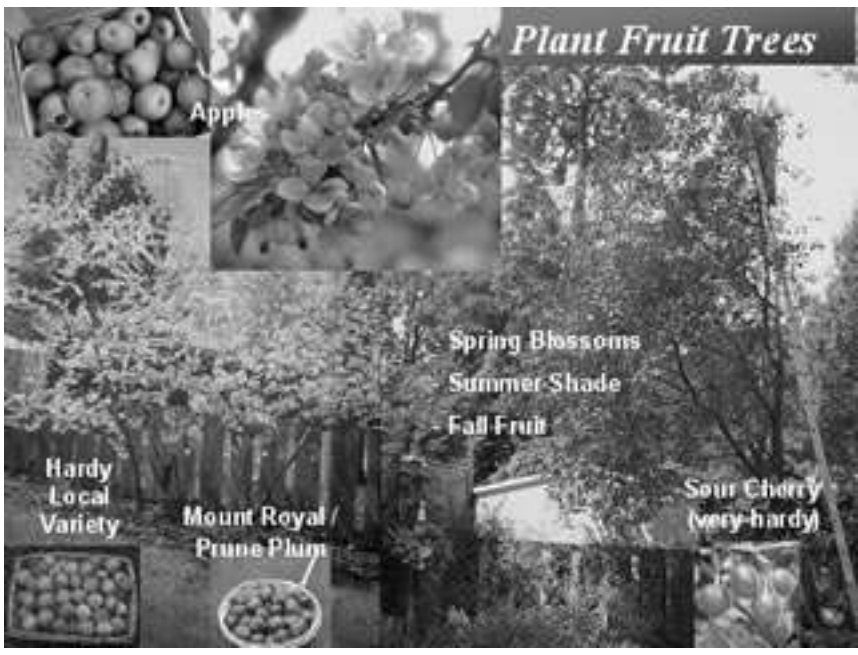
**Build a ridge around hills to hold irrigation water**



**Only use a sprinkler in early morning or late evening**



**Place pots inside a 2<sup>nd</sup> pot to cool soil & reduce evaporation**



### Fruit Tree Pests

Apples - Soap, Rust, Fungus, Codling Moth, Apple Maggot, Plum Curculio, etc., etc., etc.

Plum - Plum Curculio

Cherries - Birds, Pigeons

Regular Dormant Oil

- Lime sulphur for scab, rust & fungi
- plus mineral oil for insects and eggs

Organic Dormant Oil

- Insecticidal soap plus vegetable oil plus water for insects and eggs

Help:

- Call: Organic Agricultural Centre of Canada 902-833-7266



## *Friendly Fencing*



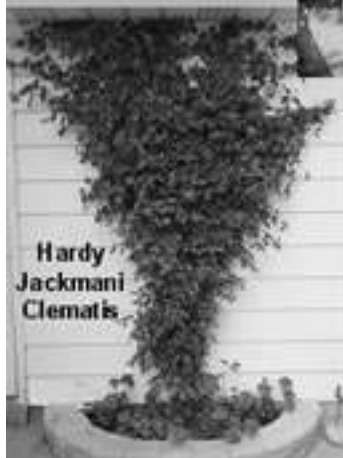
## *Other Friendly Fencing*

Clematis do well on cedar lattice



## *Patios & Raised Beds*

Use Patio Stones & Cement Blocks  
(Not treated Wood)







## Natural Solution #2: Switch To Day Lilies

Day Lilies are not bothered  
by Asian Lily Beetles

Day Lilies come in  
many colours

### Earwigs: Trap Them




Earwigs are nocturnal feeders that hide in crevices and confined areas during the day

1. Crumple up pieces of newspaper

2. Place pieces of crumpled newspaper among affected plants

3. Shake newspaper pieces on a patio in the morning and destroy the hiding earwigs — return the paper pieces to the plant area

Each female earwig can lay up to 60 eggs per season

### Nature-Friendly Lawn Care



I - Grass  
II - No Grass



## *I - Grass*

There are reasons for healthy, natural grass; especially in the backyard



## *I-Maintaining An Eco-Friendly Grass Lawn*



1  
If your lawn is bumpy, roll it early in the spring when the ground is still soft



2  
Rake your lawn to remove thatch, twigs, etc.



3  
A heavy clay soil should be aerated

4  
Overseed thin areas very early in spring

## *I- Addressing Serious Grass Damage*



1 - Apply 4 to 5 inches (10 cm) of organically rich soil early 2 - Overseed

## I- Grass Varieties



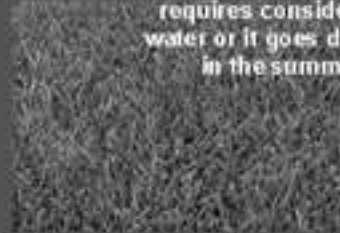
Dutch clover  
- Grub resistant & nitrogen producing



Traditional Grass Mix  
- Fescue, Ryegrass & some Bluegrass



Wildflower Farm's Eco-Lawn grass mixture\*



Kentucky Bluegrass requires considerable water or it goes dormant in the summer

\* 7 Fescue varieties that need minimal mowing & are said to be drought resistant and shade tolerant

## I- Nutrients & pH



Local compost – slowly releases nutrients & conserves moisture (apply 2 to 3 inches in spring)



Slow release synthetic fertilizer (made in Brantford, ON)



Lawn pH of 6.5 - 7.0 best

Dolomitic Limestone

Guaranteed Minimum Analysis	
Total Nitrogen (%)	16.0%
Available Phosphorus (as P <sub>2</sub> O <sub>5</sub> ) (%)	7.0%
Soluble Potash (K <sub>2</sub> O) (%)	7.0%
Organic Matter	22.0%
Moisture maximum	3.0%

INGREDIENTS  
Rye Meal, Blood Meal, Bone Meal, Sulfur of Brant, Lignin, and other natural products

Nutrient analysis & source of commercial organic fertilizer



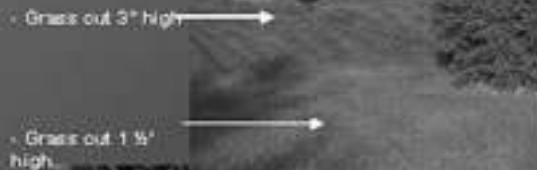
Three seasons commercial organic fertilizers (made in Quebec)

## I- Grass Cutting



Grass cut 2" high  
Roots grow deeper (better drought resistance)  
Grass shades ground (conserves moisture & inhibits weed germination)

Push Lawn mower most eco-friendly (but cannot mulch grass or cut high)



Grass cut 3" high



Electric Lawnmower can cut 2 1/2 - 3" high & mulch grass (however, 73% of Ont. electric power comes from nuclear, oil, gas & coal)



Gas mower least eco-friendly but it can cut high & mulch grass (clippings)

## I- Weeding

Hand weeding works, provides exercise and makes for a healthy environment



## I- Grub Damage



June Bug

European Chafer

Japanese Beetles

Larvae appear similar

## I- Checking For Grub Damage



3-Check soil in hole and along the grass roots for grubs

4-Replace sod and pack down

## I- Grub Control In Lawns

For prevention, nematodes should be applied in late summer (soil temperature should be 15C - 20C)

Apply on a cloudy day with rain in the forecast



Or Plant Clover

1 - Mix a package of Nematodes in a pint of water



2 - Pour 500 ml of the mixture into a watering can & fill with water



3 - Sprinkle your grass with the mixture (or use hose-end sprayer)



4 - Water the nematodes in & keep lawn moist for 3 - 4 days

## I- Cinch Bugs In Lawns

Cinch Bug damage is usually obvious in mid-summer: brown patches and strips, particularly in closely cut dry areas near curbs and driveways

Cinch Bugs



Cinch Bug damage near a curb

## I- Controlling Cinch Bugs

1 - Cut both ends from a metal can



2 - Push can 1 to 2 " into the soil & fill with water; look for cinch bugs floating to the surface



3 - Destroy cinch bugs by covering affected area with 2" of compost and then keep wet for a week



## II- Alternatives To Grass



Rock / Gravel / Mulch  
Gardens Work Particularly  
Well in the Front Yard

### II Ground Covers

*Asplenium adnigrum* **Boonix**  
**Sweet Woodruff**

An excellent ground cover that forms a dense mat under the shade of trees. Good drought tolerance. An excellent choice for shade.

*Hebe x exoniifolia* **Tricolor** **Boonix**  
**Tricolor Chameleon Plant**

A ground cover composed of 3-5 red, yellow and blue-green rounded foliage. An already proven that is perfect for a garden deck.

*Asplenium adnigrum* **Variegata** **Boonix**  
**Gout Weed**

An excellent ground cover requiring little care. It will highly tolerate overcast light. To be used in full sun or part shade. A very drought tolerant.

*Fuchsia sikkimensis* **Boonix**  
**Japanese Spurge**

An evergreen ground cover that is ideal for covering large areas. A good type of plant that does not die in winter. It is very drought tolerant.

**Periwinkle  
Needs winter  
protection in  
Ottawa  
(Zone 5)**



*Bring Some  
Potted Plants  
Indoors for  
the Winter*





*The End*