



Fanshawe College Horticulture Technician Program Garden

Disappearing plants garden

Disappearing plants

- * This garden highlights the rich and unusual world of plant diversity and stages a collection of plants that are considered some of the most vulnerable and threatened plants in the world.
- * Meet Wollemia nobilis once thought extinct, or the odd looking, threatened Baseball Plant

Fanshawe College Horticulture Technician
Program

Why Cactus and succulents?

- * Although the plant species featured in this garden are not hardy in Canada we use them to draw your attention to the quiet demise of our own Ontario plant species.

Fanshawe College Horticulture Technician Program

Fanshawe College Horticulture Technician Program

- * Plants are universally recognized as a vital part of the world's biological diversity and an essential resource for the planet. In addition to the small number of crop plants used for basic food and fibers, many thousands of wild plants have great economic and cultural importance and potential, providing food, medicine, fuel, clothing and shelter for vast numbers of people throughout the world

Fanshawe College Horticulture Technician Program

- * Canada has an interesting and varied natural plant heritage. More than 3000 plant species existed in Canada before the 15th-century arrival of the first European immigrants. Those plants are integral to natural communities; more than just a backdrop and fodder for animals, native plants are the very fabric of the living landscape itself.

Fanshawe College Horticulture Technician Program

- * Why are there endangered plants in Canada? The answers are the same as for endangered animals. For a variety of reasons, we place plant species into jeopardy. We risk, damage or destroy whole populations or wild communities through fragmentation, conversion or eradication of natural habitats.

Invasive species

- * We release invasive species from other parts of the world into our natural habitats (usually by accident), and change ensues. Some species we over-harvest. Others may be at risk because we've reduced their numbers below a point from which they can recover, or we've removed a pollinator they depend on.

Should you be concerned?

- * Why should we be concerned? Regardless of the species and the kind of threat, protecting the diversity of native plants in Canada is protecting the natural heritage of our children.

Fanshawe College Horticulture Technician Program

- * Botanical experts suggest that close to one third of the vascular plants on earth are threatened with extinction in the next 30 years unless action is taken to protect them.
- * This is so urgent that the United Nations Convention on Biological Diversity adopted a Global Strategy for Plant Conservation in 2002, to try to stem the tide of plant extinction.

Canada

- * The situation in Canada is also urgent. Approximately 3,200 species of vascular plants have been identified that are native to Canada. Botanists estimate that we have about 150 endemic species (those found only found in Canada).

One third of Canada's plant are rare.

- * The Canadian Museum of Nature classified about 1000 of our native plants as rare. While many of these rare plants are more common elsewhere in North America, the biodiversity of our natural habitats in Canada depends on survival of plant populations adapted to our climate and environmental conditions.

We are in a biodiversity hotspot!

- * Protecting local biodiversity and genetic variation within each species are therefore also important to the conservation of plants and their habitats. In addition, Canada's biodiversity hotspots (Southern B.C., Southern Ontario and Southern Quebec) are also attractive places for human settlement, agriculture and industry.

Ontario's record

- * 32 endangered vascular plant species
- * 15 threatened vascular plant species
- * 10 vascular plant species of special concern



Fanshawe College Horticulture Technician Program

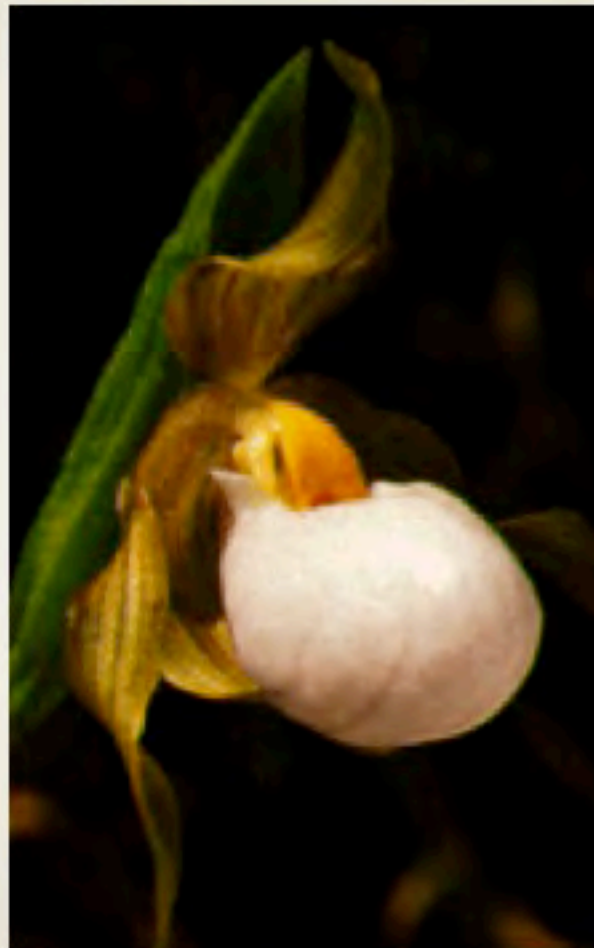
Meet 15 of the 32
endangered plant
species in Ontario.

Fanshawe College Horticulture Technician Program

*They will vanish from the
planet in your lifetime*

Fanshawe College Horticulture Technician Program

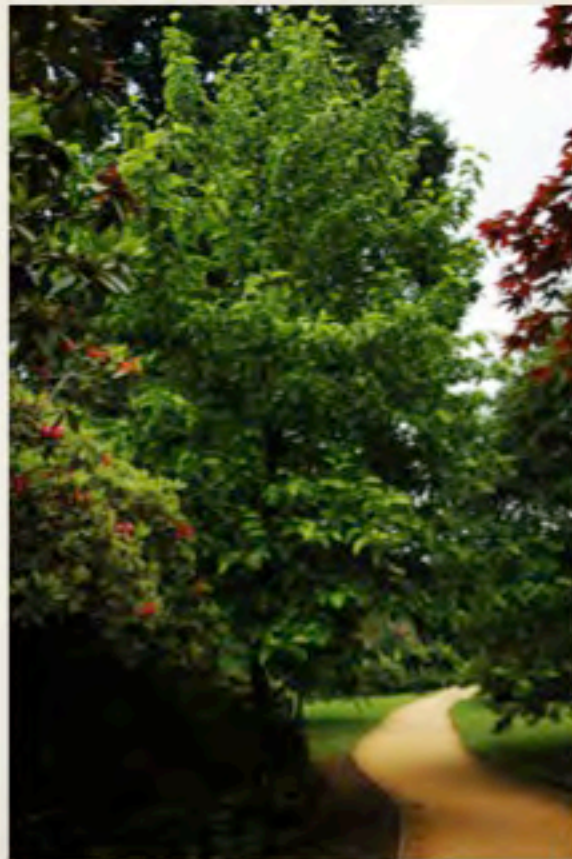
Small White Lady's-Slipper Cypripedium candidum



Fanshawe College Horticulture Technician Program

Cucumber Magnolia

Magnolia acuminata



Fanshawe College Horticulture Technician Program

Eastern Prairie Fringed Orchid

Platanthera leucophaea



Fanshawe College Horticulture Technician Program

Engelmann's Quillwort Isoetes engelmannii



Fanshawe College Horticulture Technician Program

False Hop Sedge
Carex lupuliformis



Fanshawe College Horticulture Technician Program

Gattinger's Agalinis
Agalinis gattingeri



Fanshawe College Horticulture Technician Program

Hoary Mountain Mint
Pycnanthemum incanum



Fanshawe College Horticulture Technician Program

Nodding Pogonia
Triphora trianthophora



Fanshawe College Horticulture Technician Program

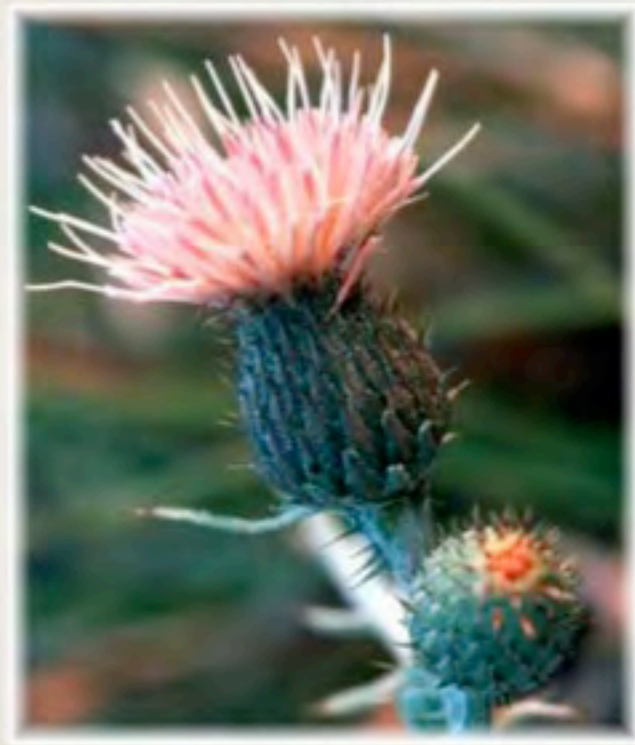
Pink Milkwort
Polygala incarnata



Fanshawe College Horticulture Technician Program

Pitcher's Thistle

Cirsium pitcheri



Fanshawe College Horticulture Technician Program

Purple Twayblade
Liparis liliifolia



Fanshawe College Horticulture Technician Program

Slender Bush Clover

Lespedeza virginica



Fanshawe College Horticulture Technician Program

Small Whorled Pogonia
Isotria medeoloides



Fanshawe College Horticulture Technician Program

Virginia Goat's-rue
Tephrosia virginiana



Fanshawe College Horticulture Technician Program

White Prairie Gentian

Gentiana alba



Fanshawe College Horticulture Technician Program

American Ginseng

Panax quinquefolius



Fanshawe College Horticulture Technician Program

What do the other 17
endangered Ontario plants
look like?

Horticulture Technician Students: Building the Garden



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program



Fanshawe College Horticulture Technician Program