





of the Sunken Garden

Booklet User Guide



Plant's medicinal use

Family name



Common name

Height: 15.0 to 25.0 feet Spread: 15.0 to 20.0 feet Sun: Full sun/partial shade/full

shade

Water: low/medium/high



Photo of the plant



Month



Flower







Leaf







hrubs

Rosaceae

Amelanchier alnifolia

'Regent' Juneberry

Height: 4.00 to 6.00 feet Spread: 4.00 to 6.00 feet Sun: Full sun to partial shade

Water: Medium



1 2 3 4 5 6 7 8 9 10 11 12

The fruit is rich in iron and copper. It can be eaten raw or cooked.

The leaves can be used as herbal tea.

Infusion of the inner bark is used as a treatment for eye infection.

Native

Rosaceae

Aronia melanocarpa

Chokeberry

Height: 3.00 to 6.00 feet Spread: 3.00 to 6.00 feet Sun: Full sun to partial shade

Water: Medium



-	2	3	4	5	6	7	8	9	10	11	12
				*							

The fruit has a high concentration of antioxidants and is best eaten after the first frost when it is fully ripe.

Because it is rich in pectin, it can be used to make a jelly. The pectin can also protect the body against radiation.



The fruit's syrup can be used to create a natural purple dye.

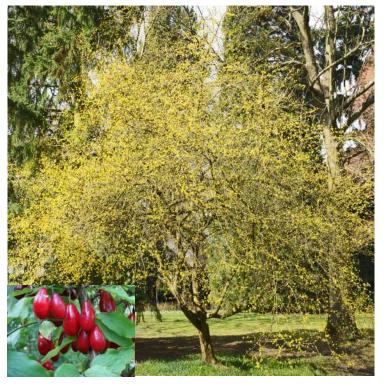
Cornaceae

Pornus mas

Cornelian Cherry Dogwood

Height: 15.0 to 25.0 feet Spread: 15.0 to 20.0 feet Sun: Full sun to partial shade

Water: Medium







The fruit is juicy, with an acidic flavour. The seeds can be roasted, ground into a powder, and used as a coffee substitute.



The bark is astringent, febrifuge, and nutritious. It is used to treat cholera.



The flowers are used to treat diarrhea.



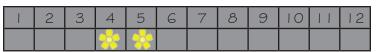
Forsythia

Forsythia x ovata

Height: 4.00 to 5.00 feet Spread: 5.00 to 7.00 feet Sun: Full sun to partial shade

Water: Medium





The flowers have strong bactericidal and acaricidal properties which can be used for skincare. Washing your face with the flowers once a day can effectively reduce facial pigmentation, acne, and wrinkles.



The flowers can be used to create yellow dye. In addition, green dye can be extracted from the leaves and the stem.



Caprifoliaceae

caerulea

'Indigo Gem' Honeyberry

Height: 3.00 to 5.00 feet Spread: 3.00 to 5.00 feet

Sun: Full sun Water: Medium







The fruits are high in Vitamin C, Vitamin A, fiber, and potassium. They can be used in various products such as pastries, jams, juice, and sauces.

Rosaceae

Malus Crab Apple

Height: 8.00 to 12.00 feet Spread: 8.00 to 14.00 feet Sun: Full sun to partial shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12
					*			(3)			

The fruit is astringent and laxative. The crushed fruit pulp can be used as a poultice to heal inflammations or small flesh wounds.



The leaves can be used to make herbal tea.

Hydrangeaceae

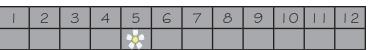
Zhiladelphus lewisii

'Blizzard' Mockorange

Height: 4.00 to 5.00 feet Spread: 3.00 to 3.00 feet Sun: Full sun to partial shade

Water: Medium





The leaves and flowers are rich in saponins. When crushed and mixed with water, they produce a lather that is an effective cleaner. The fresh leaves can be used as a bar of soap.

The dried powdered roots can be mixed with oil and used as a rub on sores and swollen joints.

Native

Rosaceae

Zrunus maritima

Beach Plum

Height: 4.00 to 5.00 feet Spread: 4.00 to 6.00 feet

Sun: Full sun Water: Low



- 1	2	3	4	5	6	7	8	9	10	11	12
				*							



The fruits are sweet, rich in Vitamin C, and have a high concentration of antioxidants.



The leaves can be used to make herbal tea to treat a sore throat and swelling of the mouth.



A green dye can be obtained from the leaves. A dark green dye can be obtained from the fruit.



Ericaceae

Rhododendron

Azalea

Height: 5.00 to 6.00 feet Spread: 5.00 to 6.00 feet Sun: partial shade to full

shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12



The leaves can be used as poultice to relieve arthritic pain and headaches.

Grossulariaceae

Ribes rubrum

Gooseberry

Height: 3.00 to 5.00 feet Spread: 3.00 to 5.00 feet Sun: Full sun to partial shade

Water: Medium



-	2	3	4	5	6	7	8	9	10	11	12



The fruits are edible and can be used cosmetically in face-masks to rejuvenate the skin.



A yellow dye can be obtained from the leaves. A black dye can be obtained from the fruit.



Rosaceae

Rosa glauca

Rose

Height: 6.00 to 8.00 feet Spread: 5.00 to 7.00 feet

Sun: Full sun Water: Medium





*

The fruit is not very fleshy but it is rich in vitamins A, C, and E. It is also a good source of essential fatty acids. The seed is a good source of vitamin E; it can be ground and mixed with flour or added to other foods as a supplement.



The leaves can be used for an infusion called "Rose Tea."

Adoxaceae

Sambucus

Elderberry

Height: 5.00 to 12.00 feet Spread: 5.00 to 12.00 feet Sun: Full sun to partial shade

Water: Medium to wet



	2	3	4	5	6	7	8	9	10	11	12
						*					

The fruits are rich in vitamin C and are best when dried. The unripe fruit contains a toxic alkaloid and cyanogenic glycosides. These toxins are destroyed when the fruit is cooked.

The leaves and stems are poisonous.
The fruit has been known to cause an upset stomach.

Rosaceae

Sorbaria sorbifolia

False Spiraea

Height: 5.00 to 10.00 feet Spread: 5.00 to 10.00 feet

Sun: Full sun Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12
				*							



Buds and leaves can be eaten if cooked.



The leaves and the flowers contain the toxin: hydrogen cyanide.

Adoxaceae

Swida alternifolia

Pagoda Dogwood

Height: 15.00 to 25.00

feet

Spread: 20.00 to 32.00

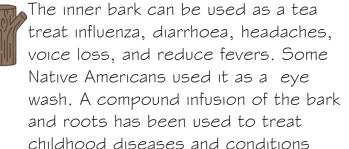
feet

Sun: Full sun to partial shade

Water: Medium



	2	3	4	5	6	7	8	9	10	11	12
				*	*			1			



such as measles and worms.



The roots, mixed with vinegar, yield a light to dark brown dye.

Oleaceae

Springa vulgaris

Lilac

Height: 8.00 to 15.00 feet Spread: 6.00 to 12.00 feet

Sun: Full sun Water: Medium



	2	3	4	5	6	7	8	9	10	11	12



The bark or leaves can be chewed in order to treat a sore mouth.



Flowers are edible, raw or cooked.

An essential oil is obtained from the flowers.



A green dye is obtained from the flowers. Green and brown dyes are obtained from the leaves. A yelloworange dye is obtained from the twigs.



Ericaceae

Paccinium corymbosum

Highbush Blueberry

Height: 6.00 to 12.00 feet Spread: 8.00 to 12.00 feet Sun: Full sun to partial shade

Water: Medium to wet



- 1	2	3	4	5	6	7	8	9	10	11	12



The fruits are rich in vitamin C.
They can be used in pies, pastries,
cereals, and jellies. The fruit can also
be dried and used like raisins.



A tea is made from the leaves.
Blueberry leaves are incredibly high in the phenolic compounds found in the antioxidant anthocyanins. They also enhance dopamine levels which support efficient memory, attention and problem solving functions.



Adoxaceae

Fiburnum trilobum

Viburnum 'Wentworth'

Height: 8.00 to 12.00 feet Spread: 8.00 to 12.00 feet Sun: Full sun to partial shade

Water: Medium



1 2 3 4 5 6 7 8 9 10 11 12

The fruits are rich in vitamin C and are best after the frost.

An infusion of the roots is used to make a person vomit and to treat fevers.

The inner bark is used to treat stomach cramps



inter-interest Perennials

Actaea racemosa

Baneberry

Height: 4.00 to 6.00 feet Spread: 2.00 to 4.00 feet Sun: Partial shade to full

shade

Water: Medium



2 3 4 5 6 7 8 9 10 11 12

As the leaves die back in the autumn, the roots are harvested and dried. The root is toxic in overdose; it should be used with caution and be completely avoided by pregnant women.

Native

Actinidiaceae

Actinidia arguta

Kıwı

Height: 25.00 to 30.00 feet Spread: 7.00 to 20.00 feet Sun: Full sun to partial shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12



The fruit is rich in vitamin C and can be eaten raw or dried for later use.



The plant is rich in sap and thus can be tapped and drunk in the spring.

Althea officinalis

Marshmallow

Height: 3.00 to 6.00 feet Spread: 3.00 to 5.00 feet Sun: Full sun to partial shade

Water: Medium to wet



1	2	3	4	5	6	7	8	9	10	11	12



The flowers and young leaves can be eaten and are often added to salads or boiled and fried.

M

The root extract (halawa extract) is sometimes used as flavoring in a Middle Eastern snack called halva.

Saxifragaceae

Astilbe

False Goat's Beard

Height: 1.00 to 1.50 feet Spread: 1.00 to 1.50 feet Sun: Partial shade to full

shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12



The young shoots are edible after they are cooked.

Rosaceae

Aruncus

Goat's Beard

Height: 4.00 to 6.00 feet Spread: 2.00 to 4.00 feet Sun: Full sun to partial shade

Water: Medium to wet

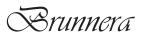


1 2 3 4 5 6 7 8 9 10 11 12

The poulticed root is applied to lease bee stings. A tea made from the roots is used to allay bleeding after child birth, to reduce profuse urination, and to treat stomach pains, diarrhea, fevers and internal bleeding. The tea is used externally to bathe swollen feet and rheumatic joints.

Native

Boraginaceae



Brunnera

Height: 1.00 to 1.50 feet Spread: 2.00 to 2.50 feet

Sun: Partial shade Water: Medium



	2	3	4	5	6	7	8	9	10	11	12



The roots can be used to make a red dye. Ranunculaceae

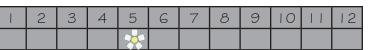
Hydrastis

Goldenseal

Height: 0.75 to 1.00 foot Spread: 0.75 to 1.00 foot

Sun: Partial shade Water: Medium





The root is used to treat disorders affecting the ears, eyes, throat, nose, stomach, and intestines. The plant should not be used during pregnancy or by people with high blood pressure.



A yellow dye can be obtained from the root.

Native

Iridaceae

Tris sibirica

Irıs

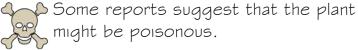
Height: 3.00 to 4.00 feet Spread: 2.50 to 3.00 feet Sun: Full sun to partial shade

Water: Medium to wet



-	2	3	4	5	6	7	8	9	10	11	12

The roots are edible and have great quantities of starch.



Reucanthemum

Daisy

Height: 1.50 to 2.00 feet Spread: 1.50 to 2.00 feet

Sun: Full sun

Water: Dry to medium







The leaves can be eaten raw or cooked. Young spring shoots are finely chopped and added to salads and soups.



The root can be consumed raw and the flowers can be tossed into a salad or pickled.



The leaves and the roots can make yellow dye.

Paeoniaceae

Raconia suffruticosa Peony

Height: 3.00 to 5.00 feet Spread: 3.00 to 4.00 feet Sun: Full sun to partial shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12

A tea made from the dried crushed petals is used as a cough remedy, and as a treatment for haemorrhoids and varicose veins. The fallen flower petals are parboiled and sweetened, or cooked in various dishes.

Saxifraqaceae

Rodgersia aesculifolia Rodgersia

Height: 3.00 to 5.00 feet Spread: 3.00 to 5.00 feet Sun: Full sun to partial shade

Water: Medium to wet





In the medicinal tradition of China, Rodgersia aesculifolia has been employed in the treatment of rheumatoid arthritis, chronic bronchitis, dysentery, asthma, bronchial inflammation and chronic gastritis.

Ericaceae

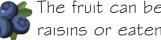
Paccinium angustifolium Lowbush Blueberry

Height: 3.00 to 4.00 feet Spread: 3.00 to 4.00 feet Sun: Full sun to partial shade

Water: Medium to wet



_	2	3	4	5	6	7	8	9	10	11	12
				*		*	*	*			



The fruit can be dried and used like raisins or eaten raw.



A tea made from the leaves can be used as a blood purifier and a treatment of infant's colic. It also has been used to induce labour and as a tonic after a miscarriage.



erbaceous Perennial

Adiantum pedatum

Maidenhair Fern

Height: 1.00 to 2.50 feet Spread: 1.00 to 1.50 feet

Sun: Partial shade to full

shade

Water: Medium



1 2 3 4 5 6 7 8 9 10 11 12



The leaves can be used as tea or syrup to treat nasal congestion, asthma, and sore throats. The Native Americans chewed the fronds and then applied them to wounds to stop bleeding.

The leaves are also used as a hair conditioner. The stems have been used as a hair wash.

Native

Lamiaceae

Ajuga reptans Bugleweed

Height: 0.50 to 0.75 feet Spread: 0.50 to 1.00 feet

Sun: Full sun to partial shade Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12



The whole plant is aromatic. It is harvested as it flowers in late spring and dried for later use. It is also commonly used fresh in ointments and medicated oils. It is widely used in various preparations against throat irritations and especially in the treatment of mouth ulcers.

Anemone canadensis

Wood Anemone

Height: 1.00 to 2.00 feet Spread: 2.00 to 2.50 feet Sun: Full sun to partial shade

Water: Medium to wet



1 2 3 4 5 6 7 8 9 10 11 12

An infusion of the root can be used as an eye wash to treat twitches and eye poisoning. A wash of the pounded boiled root or of the leaves is applied externally to wounds, nosebleeds, sores, etc. A tea of the roots is used to treat headaches and dizziness. The root can be eaten to clear the throat.

Native

Ranunculaceae

Anemone hupehensis

Japanese anemone

Height: 1.50 to 2.50 feet Spread: 1.00 to 1.50 feet Sun: Full sun to partial shade

Water: Medium



2	3	4	5	6	7	8	9	10	11	12

Decorative

Ericaceae

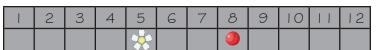
Arctostaphylos uva-ursi

Bearberry

Height: 0.50 to 1.00 foot Spread: 3.00 to 6.00 feet Sun: Full sun to partial shade

Water: Dry to medium







The leaves can be infused with oil, making a poultice to treat rashes and skin sores. The herb should not be used by children, pregnant women, or patients with kidney disease.



A yellowish-brown dye is obtained from the leaves. A grey-brown dye is obtained from the fruit.



Native

Aristolochiaceae

Asarum canadense

Wild Ginger

Height: 0.50 to 1.00 foot Spread: 1.00 to 1.50 feet Sun: Partial shade to full

shade

Water: Medium to wet



1	2	3	4	5	6	7	8	9	10	11	12
				*							



The fresh leaves are applied as a poultice to wounds and inflammations, while a decoction or salve is applied to sores.

The dry root has an aromatic smell like mild pepper and ginger. The root is best harvested in autumn but is available year round. It can be dried for later use.

Convallaria majalis

Lily of the Valley

Height: 0.50 to 1.00 foot Spread: 0.75 to 1.00 foot Sun: Partial shade to full

shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12
				×	ķ						



The leaves encourage the heart to beat more efficiently, and reduce blood volume.



An ointment made from the roots is justed to treat burns and prevent scar tissue.



A yellow dye is obtained from the leaves in autumn.



The plant has toxic properties.

Asparagaceae

*Phionodoxa luciliae*Glory of the Snow

Height: 0.25 to 0.50 feet Spread: 0.25 to 0.50 feet Sun: Full sun to partial shade

Water: Medium



- 1	2	3	4	5	6	7	8	9	10	11	12

Decorative

©icentraspectabilis

Bleeding Heart

Height: 2.00 to 3.00 feet Spread: 1.50 to 2.50 feet Sun: Partial shade to full

shade

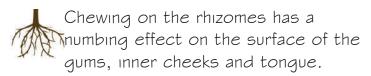
Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12



In spring, the young leaves are edible when cooked.





The plant is potentially poisonous and can also cause skin rashes.



Digitalis grandiflora Yellow Foxglove

Height: 2.00 to 3.00 feet Spread: 1.00 to 1.50 feet

Sun: Partial shade Water: Medium



-	2	3	4	5	6	7	8	9	10	11	12
				*	*						



The leaves are used to treat certain heart complaints.



All parts of the plant are poisonous.

Asteraceae

Echinacea purpurea

Purple Coneflower

Height: 2.00 to 5.00 feet Spread: 1.50 to 2.00 feet Sun: Full sun to partial shade

Water: Dry to medium



1	2	3	4	5	6	7	8	9	10	11	12
						***************************************	***************************************				



The whole plant is beneficial in the treatment of sores, wounds, and burns.



An infusion of the root can improve the immune system. It is harvested in the autumn and dried for later use.

Native

Berberidaceae

Epimedium grandiflorum Fairy Wings

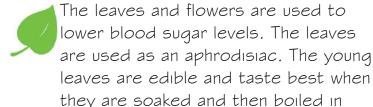
Height: 1.00 to 1.50 feet Spread: 0.75 to 1.50 feet Sun: Partial shade to full

shade

Water: Dry to medium



2	3	4	5	6	7	8	9	10	11	12



order to remove the bitterness.

It can cause allergic reaction.

Rosaceae

Fragaria vesca Alpine Strawberry

Height: 0.25 to 0.75 feet Spread: 0.75 to 1.00 foot Sun: Full sun to partial shade

Water: Medium







The fruit can be applied externally to heal sunburns and whiten teeth.



A tea made from the leaves can treat diarrhea. A poultice can be made from the powdered leaves mixed in oil, and then used to treat open sores.



The roots are used to help stop diarrhea and chronic dysentery.

Native

Ericaceae

Saultheria procumbens Wintergreen

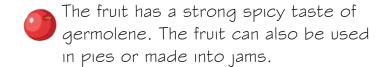
Height: 0.25 to 0.50 feet Spread: 0.50 to 1.00 foot Sun: Partial shade to full

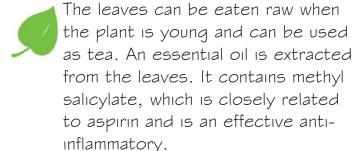
shade

Water: Medium









Geraniaceae

Geranium Geranium

Height: 1.00 to 1.50 feet Spread: 1.00 to 2.00 feet Sun: Full sun to partial shade

Water: Dry to medium



1	2	3	4	5	6	7	8	9	10	11	12



The leaves are very aromatic and can be used as a source of geranium oil.

Saxifragaceae

Acuchera americana

American Alumroot

Height: 1.00 to 2.00 feet Spread: 1.00 to 1.50 feet Sun: Full sun to partial shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12

The root can be used as an external remedy for sores, wounds, vaginal discharges, and ulcers. It can be dried, ground into a powder, and sprinkled onto wounds. The root is harvested in the autumn and is dried for use in decoctions or as a powder.

It should be used with caution since excessive exposure irritates the stomach and can cause kidney and liver failure.



Hemerocallis fulva

Day Lily

Height: 2.00 to 2.50 feet Spread: 2.00 to 2.50 feet Sun: Full sun to partial shade

Water: Medium





The flowers are edible raw and are very rich in iron. The flowers can also be dried and used as a thickener in soups.

S

The leaves and young shoots can be used as vegetables. The leaves need to be eaten while still very young since they quickly become fibrous.

Asparagaceae

Costa

Plantain Lilies

Height: 2.00 to 3.00 feet Spread: 2.00 to 3.00 feet Sun: Partial shade to full

shade

Water: Medium







The young leaves and leaf stems are edible after they are boiled.

Iridaceae

Tris versicolor

Northern Blue Flag Iris

Height: 2.00 to 2.50 feet Spread: 2.00 to 2.50 feet Sun: Full sun to partial shade

Water: Medium to wet



1 2 3 4 5 6 7 8 9 10 11 12

The leaves have been used to weave baskets and mats.

The root can be taken internally as a tea to promote the excretion of excess body fluids. Some Native American tribes used the root as a protection against rattlesnakes.

The fresh root is quite acrid and when taken internally may cause nausea and vomiting.

Native

Asteraceae

*Eigularia stenocephala*Liquiaria

Height: 4.00 to 6.00 feet Spread: 2.00 to 3.00 feet Sun: Partial shade to full

shade

Water: Medium to wet



-	2	3	4	5	6	7	8	9	10	11	12
						*	*				



The plant is used in Chinese medicine to treat anxiety, weakness, and menstrual disorders.

Polemoniaceae

Zhlox stolonifera

Creeping Phlox

Height: 0.50 to 1.00 foot Spread: 0.75 to 1.50 feet Sun: Full sun to partial shade

Water: Medium



1 2 3 4 5 6 7 8 9 10 11 12

Decorative

Lamiaceae

Physostegia virginiana Obedient Plant

Height: 3.00 to 4.00 feet Spread: 2.00 to 3.00 feet

Sun: Full sun Water: Medium



2	3	4	5	6	7	8	9	10	11	12

Decorative

Rheum palmatum

Chinese rhubarb

Height: 6.00 to 10.00 feet Spread: 4.00 to 6.00 feet Sun: Full sun to partial shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12



The stem has a wonderful flavour once it is cooked and is a common ingredient in berry cakes. The leaves can be used to make an insect spray.



The leaves are poisonous.

Asteraceae

Canacetum vulgare Tansy

Height: 1.00 to 3.00 feet Spread: 0.75 to 1.50 feet Sun: Full sun to partial shade

Water: Dry to medium



- 1	2	3	4	5	6	7	8	9	10	11	12
						*					



The leaves are used as a poultice on swellings and some eruptive skin diseases. The plant is harvested as it is coming into flower.



A green dye is obtained from the young shoots. The leaves and flowers can also be used to obtain a yellow dye.



In larger doses the plant can be poisonous.

Ciarella cordifolia

Foamflower

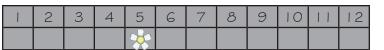
Height: 0.75 to 1.00 foot Spread: 1.00 to 2.00 feet

Sun: Partial shade to full

shade

Water: Medium





A tea made from the leaves is diuretic. It has been used as a mouthwash and as a wash for sore eyes.

A tea made from the roots is used to treat diarrhea or sore mouths.

The crushed roots can be used as a poultice on wounds.

Native

Papaveraceae

Sanguinaria canadensis Bloodroot

Height: 0.50 to 0.75 feet Spread: 0.25 to 0.50 feet Sun: Partial shade to full

shade

Water: Medium



1	2	3	4	5	6	7	8	9	10	11	12
			*								

Externally, the root is used in the treatment of skin diseases, warts, nasal polyps, and benign skin tumours. The crushed root has been applied to the body as an insect repellent.

The root is toxic. An excessive dose causes nausea and vomiting, and may prove fatal.



A red dye is obtained from the sap of the root. It was used as a face paint by the Native Americans.

Ericaceae

Paccinium macrocarpon:

Bog Cranberry

Height: 0.75 to 1.00 foot Spread: 3.00 to 4.00 feet

Sun: Full sun Water: Medium







The fruit can be eaten raw or cooked. It is rich in vitamin C.



An infusion of the branches is used as a treatment for pleurisy.

Bibliography:

Fernald, Merritt Lyndon, et al. The new edible wild plants of eastern North America: a field guide to edible flowering plants, ferns, mushrooms and lichens. CreateSpace Independent Publishing Platform, 2014.

MacLeod, Heather. Edible Wild P lants of Nova Scotia. Nimbus, 1988.

"Medicinal Herbsnatural medicineherbs information." Medicinal herbs - natural healing power, www.naturalmedicinalherbs.net/.

Plant Finder, Missouri Botanical Garden, www.missouribotanicalgarden.org/plantfinder/plantfindersearch.aspx

Russell, Helen Ross. Foraging for dinner: collecting and cooking wild foods. T. Nelson, 1975.

Seymour, Tom. Foraging New England: finding, identifying, and preparing edible wild foods and medicinal plants from Maine to Connecticut. Globe Pequot Press, 2002.

Images:

"Garden plants" Natural Landscapes Nurseries, naturallandscapesnursery.com/.

Krystian. "Home." Deren jadalny, cornusmas.eu/.

"Native Plant Sales." Citizens for Conservation, citizensforconservation.org/native-plant-sales/.

"Rotary Botanical Gardens -." Rotary Botanical Gardens, www.rotarybotanicalgardens.org/.

Made by Yanıv Korman, College of the Atlantic, March, 2018