

# CNIPM

## Invasive Plants Descriptions and Photos

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*Aegopodium podagraria*

Common names; Bishop's goutweed, Bishops' weed, Gout weed, Ground elder, Herb gerard, Snow on the mountain



Figure 1: Aegopodium podagraria leaves photo.

*Aegopodium podagraria* continued...

Leaves:
<b>Woody Plant Leaf Characteristics:</b> Deciduous
<b>Leaf Color:</b> Blue Green Variegated White
<b>Leaf Type:</b> Compound (Pinnately , Bipinnately, Palmately)
<b>Leaf Arrangement:</b> Alternate
<b>Leaf Shape:</b> Cordate Ovate
<b>Leaf Margin:</b> Serrate
<b>Hairs Present:</b> No
<b>Leaf Description:</b> Medium, green, carrot-scented leaves on a fleshy stalk is attached to an underground stem (rhizome). Its three-parted leaflet is divided into three sub-leaflets. The foliage can be variegated. The variegated form has bluish-green leaves, with creamy white margins.

Figure 2: *Aegopodium podagraria* leaf description.

Further reading; ([NCSU n.d.a](#))

*Celastrus orbiculatus*

Common names; Asian bittersweet, Chinese bittersweet, Oriental bittersweet



Figure 3: Celastrus orbiculatus leaves photo.

*Celastrus orbiculatus* continued...

Leaves:
<b>Woody Plant Leaf Characteristics:</b> Deciduous
<b>Leaf Color:</b> Green
<b>Leaf Feel:</b> Glossy
<b>Deciduous Leaf Fall Color:</b> Gold/Yellow
<b>Leaf Type:</b> Simple
<b>Leaf Arrangement:</b> Alternate
<b>Leaf Shape:</b> Orbicular Ovate
<b>Leaf Margin:</b> Dentate
<b>Hairs Present:</b> Yes
<b>Leaf Length:</b> 3-6 inches
<b>Leaf Width:</b> 1-3 inches
<b>Leaf Description:</b> Simple, alternate 2"-5" long and 1 1/2"-3" wide. Round to oval and glossy with round or tapered tips and rounded toothed margins. The veins on the undersides may have sparse hairs and the petiole is 3/4" long. Olive green in spring and summer, light yellow fall foliage.

Figure 4: *Celastrus orbiculatus* leaf description.

Further reading; ([NCSU n.d.b](#))

*Hedera helix*

Common names; Algerian ivy, Baltic ivy, Branching ivy, California ivy, Common ivy, English ivy, Glacier ivy, Needlepoint ivy, Sweetheart ivy



Figure 5: Hedera helix leaves photo.

*Hedera Helix* continued...

<b>Leaf Color:</b>
Green
Variegated
White
<b>Leaf Feel:</b>
Glossy
<b>Leaf Value To Gardener:</b>
Long-lasting
<b>Leaf Type:</b>
Simple
<b>Leaf Arrangement:</b>
Alternate
<b>Leaf Shape:</b>
Palmasect
<b>Leaf Margin:</b>
Entire
Lobed
<b>Hairs Present:</b>
No
<b>Leaf Length:</b>
1-3 inches
<b>Leaf Width:</b>
1-3 inches
<b>Leaf Description:</b>
Evergreen, 3-5 palmate lobes with palmate venation when juvenile, ovate to rhombic on mature/adult branches borne well off the ground; leaves dark green above and lustrous, prominently whitish-gray becoming lighter green with age borne adjacent to major veins. Leaves are typically 4 inches long × 2.5 to 5 inches wide.

Figure 6: Hedera helix leaf description.



## *Hedera Helix* continued...

Poisonous to Humans:
<b>Poison Severity:</b> Medium
<b>Poison Symptoms:</b> Contact with plant cell sap causes severe skin irritation with redness, itching, and blisters. Ingestion of berries causes burning sensation in the throat. Ingestion of leaves can result in delirium, stupor, convulsions, hallucinations, fever and rash, vomiting, abdominal pain, hypersalivation, and diarrhea. Foliage is more toxic than berries. English ivy contains allergens that may affect humans.
<b>Poison Toxic Principle:</b> Triterpenoid saponins and polyacetylene compounds
<b>Causes Contact Dermatitis:</b> Yes
<b>Poison Part:</b> Bark  Flowers  Fruits  Leaves  Roots  Sap/Juice  Seeds  Stems

Figure 7: *Hedera helix* poisonous characteristics.

Further reading; ([NCSU n.d.c](#))

*Ligustrum japonicum*

Common names; Amur, Common privet, Curlyleaf ligustrum, Japanese privet, Wax-leaf privet



Figure 8: Ligustrum japonica leaves photo.

*Ligustrum japonicum* continued...

Poisonous to Humans:
<b>Poison Severity:</b> Medium
<b>Poison Symptoms:</b> Abdominal pain, nausea, vomiting, diarrhea, headache, weakness, Gastrointestinal upset (most common), incoordination, increased heart rate, death (rare), low blood pressure, cold and clammy skin possibly lasting 48 to 72 hours
<b>Poison Toxic Principle:</b> Glycosides: syringin (ligustrin), a glycoside; shikimic acid (lowest toxic dose 4,000mg); and others
<b>Causes Contact Dermatitis:</b> No
<b>Poison Part:</b> Fruits  Leaves

Figure 9: *Ligustrum japonica* poisonous characteristics.

*Ligustrum japonicum* continued...

Leaves:
<b>Woody Plant Leaf Characteristics:</b> Broadleaf Evergreen
<b>Leaf Color:</b> Green
<b>Leaf Feel:</b> Smooth
<b>Leaf Type:</b> Simple
<b>Leaf Arrangement:</b> Opposite
<b>Leaf Shape:</b> Oblong Ovate
<b>Leaf Margin:</b> Entire
<b>Hairs Present:</b> No
<b>Leaf Length:</b> 3-6 inches
<b>Leaf Description:</b> Leaves are opposite, simple, broad-ovate to ovate-oblong, entire, coriaceous, glabrous, and dark green in color. They have 4-5 pairs of indistinct raised veins on the undersurface and grow 2-4" long.

Figure 10: *Ligustrum japonica* leaf description.

*Ligustrum japonicum* continued...

Stem:
<b>Stem Color:</b> Gray/Silver
<b>Stem Is Aromatic:</b> No
<b>Stem Lenticels:</b> Conspicuous
<b>Stem Surface:</b> Smooth (glabrous)
<b>Stem Description:</b> Twigs are smooth, gray, and covered with large lenticels.

Figure 11: *Ligustrum japonica* stem description.

Further reading; ([NCSU n.d.d](#))



*Pueraria montana* and *Pueraria montana* var. *lobata*

Common names; Kudzu, Japanese arrowroot, Kudzu bean, Kudzu hemp, Kudzu vine



Figure 12: *Pueraria montana* leaves photo.

*Pueraria montana* and *Pueraria montana* var. *lobata* continued...

**Edibility:**

The roots may be cooked and used to make into noodles, a thickening agent for soups, or gelatin. The flowers may be cooked or made into pickles. The stems and young leaves are eaten as a vegetable and are very nutritious. The taste is reportedly between a bean and pea.

Figure 13: Edibility description of Kudzu.

*Pueraria montana* and *Pueraria montana* var. *lobata* continued...

Leaves:
<b>Leaf Color:</b> Green
<b>Deciduous Leaf Fall Color:</b> Brown/Copper
<b>Leaf Type:</b> Compound (Pinnately , Bipinnately, Palmately)
<b>Leaf Arrangement:</b> Alternate
<b>Leaf Shape:</b> Ovate
<b>Leaf Margin:</b> Entire  Lobed
<b>Hairs Present:</b> Yes
<b>Leaf Length:</b> 3-6 inches
<b>Leaf Width:</b> 3-6 inches
<b>Leaf Description:</b> The leaves are compound, alternate, and hairy on the upper and lower surfaces. Each leaf has a long petiole and three leaflets. The lateral leaves have two lobes, and the terminal leaves have three lobes.

Figure 14: *Pueraria montana* leaf description.



*Pueraria montana* and *Pueraria montana* var. *lobata* continued...

Leaves:
<b>Woody Plant Leaf Characteristics:</b> Deciduous
<b>Leaf Color:</b> Gold/Yellow Gray/Silver Green
<b>Leaf Type:</b> Compound (Pinnately , Bipinnately, Palmately)
<b>Hairs Present:</b> No
<b>Leaf Length:</b> > 6 inches
<b>Leaf Description:</b> Pinately compound three leaflets, alternate grayish green or yellow 2"-8" long

Stem:
<b>Stem Is Aromatic:</b> No
<b>Stem Description:</b> The long flexible stems are used in basket making.

Figure 15: *Pueraria montana* var. *lobata* leaf and stem descriptions.

Further reading; ([NCSU n.d.e](#))

*Reynoutria japonica*

Common names; Asiatic knotweed, Donkey rhubarb, Fleeceflower, Huzhang, Japanese bamboo, Japanese knotweed, Mexican bamboo



Figure 16: Reynoutria japonica leaves photo.

*Reynoutria japonica* continued...

Leaves:
<b>Leaf Color:</b>
Green
Red/Burgundy
<b>Leaf Type:</b>
Sheath
Simple
<b>Leaf Arrangement:</b>
Alternate
<b>Leaf Shape:</b>
Deltoid
Elliptical
Subcordate
<b>Leaf Margin:</b>
Entire
<b>Hairs Present:</b>
No
<b>Leaf Length:</b>
3-6 inches
<b>Leaf Description:</b>
4 to 6 inches long and 2-4 inches wide broadly oval, to triangular, sharply pointed, alternate leaves with truncated bases and entire margins. Leaves are dark green on top and light green below with reddish veins. Where they meet the stem there is a sheath-like structure called an ochrea. New growth is red.

Figure 17: *Reynoutria japonica* leaf description.

*Reynoutria japonica* continued...

Stem:
<b>Stem Color:</b>
Brown/Copper
Green
Red/Burgundy
<b>Stem Is Aromatic:</b>
No
<b>Stem Cross Section:</b>
Round
<b>Stem Description:</b>
Stems are green to reddish-brown large, hollow, slightly ridged lengthwise, jointed and mottled. They resemble bamboo and remain after the plant has died back to the ground.

Figure 18: *Reynoutria japonica* stem description.

Further reading; ([NCSU n.d.f](#))

*Rosa multiflora*

Common names; Multiflora rose



Figure 19: Rosa multiflora stipules photo.

*Rosa multiflora* continued...

Leaves:
<b>Leaf Color:</b> Green
<b>Leaf Type:</b> Compound (Pinnately , Bipinnately, Palmately)
<b>Leaf Arrangement:</b> Alternate
<b>Leaf Shape:</b> Oblong Ovate
<b>Leaf Margin:</b> Serrate
<b>Hairs Present:</b> No
<b>Leaf Length:</b> 3-6 inches
<b>Leaf Width:</b> 1-3 inches
<b>Leaf Description:</b> Alternate odd-pinnate compound leaves with 5-11 leaflets with serrate margins. Leaflets are ovate 1/2"-2" long with acute (pointed) tips. Petioles have fringed stipules which distinguishes them from other roses.

Figure 20: *Rosa multiflora* leaf description.

*Rosa multiflora* continued...

Stem:
<b>Stem Color:</b> Green Red/Burgundy
<b>Stem Is Aromatic:</b> No
<b>Stem Cross Section:</b> Round
<b>Stem Surface:</b> Smooth (glabrous)
<b>Stem Description:</b> Green to red arching canes

Figure 21: *Rosa multiflora* stem description.

Further reading; ([NCSU n.d.g](#))

## References

- NCSU. (n.d.a). *Aegopodium podagraria* (bishop's goutweed, bishops' weed, bishopweed, gout weed, ground elder, herb gerard, snow on the mountain).
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- NCSU. (n.d.d). *Ligustrum japonicum* (amur, common privet, curlyleaf ligustrum, japanese privet, privet, wax-leaf privet).
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- NCSU. (n.d.g). *Rosa multiflora* (multiflora rose).