

## Plant Profiles: HORT 2242 Landscape Plants II

**Botanical Name:** *Corylus colurna*

**Common Name:** Turkish filbert, Turkish hazelnut

**Family Name:** Betulaceae – birch family

**General Description:** *Corylus colurna* is a tall stately tree with flaky bark and a medium to fine textured silhouette. Although it is considered to be tolerant of adverse conditions and adaptable to diverse soil conditions, this species is not commonly used in the landscape. Have seen specimens at Cantigny and Adam's Park in Wheaton, Illinois grow well for many years and then slowly decline for undetermined reasons.

**Zone:** 4-7

**Resources Consulted:**

Dirr, Michael A. *Manual of Woody Landscape Plants: Their Identification, Ornamental Characteristics, Culture, Propagation and Uses*. Champaign: Stipes, 2009. Print.

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**Creation Date:** 2014

**Keywords/Tags:** Betulaceae, *Corylus colurna*, Turkish filbert, Turkish hazelnut, deciduous, tree



**Whole plant/Habit:**

- Description: *Corylus colurna* is a large, deciduous, broadly pyramidal tree with a short trunk. The silhouette in this image illustrates the beautiful form and texture of this species during the dormant season.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: March 17, 2012
- Image File Name: turkish\_hazelnut\_1350233.png



**Whole plant/Habit:**

- Description: During the growing season the tree has a medium to somewhat coarse texture.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: July 21, 2012
- Image File Name: turkish\_hazelnut\_2528.png



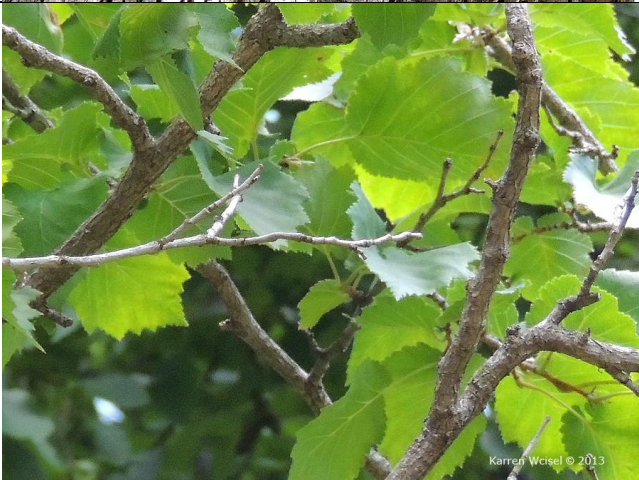
#### Bark:

- Description: The silvery, flaky bark of Turkish filbert is quite ornamental.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: March 17, 2012
- Image File Name: turkish\_hazelnut\_1350235.png



#### Bark:

- Description: The flaky scales slough off exposing cinnamon colored inner bark.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: August 1, 2013
- Image File Name: turkish\_hazelnut\_6624.png



#### Branch/Twig:

- Description: The gray-brown stems are fissured. This is especially evident on the 2<sup>nd</sup> year (older) stems in this image.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: August 1, 2013
- Image File Name: turkish\_hazelnut\_6632.png





#### Bud:

- Description: The buds are arranged alternate on the stem. The brown to tan buds and are pubescent with loose imbricate scales.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: March 17, 2012
- Image File Name: turkish\_hazelnut\_1350239.png



#### Flower:

- Description: Plants in the genus *Corylus* are monoecious. They produce separate male and female flowers on the same plant. The catkins are fully formed by autumn but will not open until late winter or early spring. The female flowers (on left in this image) are inconspicuous, consisting of only the red styles of the pistils protruding from the bud scales. The male catkins (on right in this image) are pendulous, elongate and visible during winter.
- NOTE: The images in this photo are of *Corylus americana*.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: March 31, 2011
- Image File Name: american\_hazlenut\_1270466s.png



#### Flower:

- Description: The 2-3 inch long catkins of *Corylus colurna* are usually in clusters of 2 or 3, and are quite showy when they elongate and turn yellow with pollen.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: February 5, 2012
- Image File Name: turkish\_hazelnut\_1340755.png



**Fruit:**

- Description: Like most plants in the genus *Corylus*, Turkish filbert produces a nut enclosed in leafy-like bracts (often referred to as involucre). The bracts of Turkish filbert are deeply incised and have gland-tipped bristles.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: July 22, 2012
- Image File Name: turkish\_hazelnut\_2592.png



**Fruit:**

- Description: The edible nuts fully mature September through October.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: August 1, 2013
- Image File Name: turkish\_hazelnut\_6630.png



**Leaf:**

- Description: The leaves are alternate, simple, with a coarsely toothed (doubly serrate) margin. The shape is somewhat cordate, at least at the base, with an acuminate (tapering to a point) leaf tip. The size ranges from 2.5 to 6 inches.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: July 21, 2012
- Image File Name: turkish\_hazelnut\_2510.png





#### Leaf:

- Description: The leaves are usually dark green in summer; however, the size, color and texture of the leaf can vary. The fall color is a greenish-yellow. Since this photograph was taken August 1, 2013, the leaf color in this image is most likely related to environmental stress; it is not an example of fall color.
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: August 1, 2013
- Image File Name: turkish\_hazelnut\_6634.png



#### Special ID feature(s):

- Description: The leaves, catkins and fruits are very similar to *Corylus americana* and *Corylus avellana*; however, the tree-form habit and flaky bark will distinguish *Corylus colurna* from the others!
- Image Source: Karren Wcisel, TreeTopics.com
- Image Date: Winter 2012
- Image File Name: turkish\_hazelnut\_1340756s.png