**Carya cordiformis**

**Bitternut Hickory**

**Juglandaceae**

**Latin Name**

**Common Name**

**Family**

**Height x Width**

to 75'  

**Bloom time and color**

mid-spring, green  

**Harvest time**


**Fruit color**

brown  

**Description**

Large, gracefully arching tree. Rapid grower, good yellow fall color held late into the fall

**Fruit or Nut Use**

nuts pounded and boiled for beverage, mixed to make corn pudding, bread

**Notes**

planted fall 2012, FOMA grant from American Forests  

used for smoking hams, bacon, etc.  

tree serves as host for some exceptional moth species
### Latin Name
*Carya illinoensis* ‘Colby’

### Common Name
Colby Pecan

### Family
Juglandaceae

### Height x Width
30-40’+

### Bloom time and color

<table>
<thead>
<tr>
<th>Harvest time</th>
<th>Fruit color</th>
</tr>
</thead>
<tbody>
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</table>

### Description
Budbreak very late April 28 from UNL research); leaves: pale green with pubescent shoot, and may be wavy; alternate, pinnately compound, 10-20”, 11-17 leaflets each 4-8”. Nut maturity is late and yield is medium but the nuts themselves are large. Nuts do not crack well.

### Fruit or Nut Use
- nut: raw; candy, cookies, bread, cake, ice cream
- nut oil: cooking, cosmetics
- native use: milk from nuts for soups, corncakes...
- wildlife: birds, mammals

### Notes
Seedling discovered on the Wash Orrell farm in Clinton Co., IL. Propogated by W.W. Lawrence of Fayette, IL. In 1942, his son J.W. propagated it while a student at UI and it was selected by horticulturalists A.S. Colby and J.C. McDaniel and tested as Illinois 1-19A. The cultivar was released in 1957.
Resistant or immune to scab.
<table>
<thead>
<tr>
<th><strong>Latin Name</strong></th>
<th><em>Carya illinoensis</em> × <em>Carya ovata</em> ‘Henke’</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Common Name</strong></td>
<td>Henke Hican</td>
</tr>
<tr>
<td><strong>Family</strong></td>
<td>Juglandaceae</td>
</tr>
<tr>
<td><strong>Height x Width</strong></td>
<td>50’</td>
</tr>
<tr>
<td><strong>Bloom time and color</strong></td>
<td>Harvest time: fall, Fruit color:</td>
</tr>
</tbody>
</table>

### Description
- Bark: gray, ridged scaly to slightly peeling short strips, not as light gray or peeling as Shagbark Hickory.
- Leaves: normally 11 leaflets.
- Twig: terminal bud much smaller than shagbark, not hairy like pecan.

### Fruit or Nut Use
- More flavorful than pecan?

### Notes
Hicans are intergeneric crosses between Pecans (*C. illinoensis*) and Hickories, in this case Shagbark Hickory (*C. ovata*). They are bred to produce thin shelled hickories. ‘Henke’ is a natural hybrid from Missouri. According to the Northern Nut Growers Association it has a “good nut but small.”
### Carya illinoinensis ‘Giles’

**Common Name**
Giles Pecan

**Family**
Juglandaceae

<table>
<thead>
<tr>
<th>Latin Name</th>
<th>Harvest time</th>
<th>Fruit color</th>
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**Description**
Budbreak is late; leaves dark green, glossy, strongly veined. "...a droopy, open tree.” Tree structure is good. One of the heaviest producers among northern cultivars. Starts production at an early age. Nuts mature late, therefore a good tree for the southern end of the northern pecan range.

**Fruit or Nut Use**
as for other pecans

**Notes**
**Fruit & Nut Trees of Maxwell Arboretum**

| Latin Name | Carya ovata |
| Common Name | Shagbark Hickory |
| Family | Juglandaceae |
| Height x Width | 60-80'+x 60' |
| Bloom time and color | May/catkins |

**Description**
- leaves: alternate, pinnately compound, serrate, lanceolate/oblong/oblanceolate, leaflet 4-8”
- fruit: oval/round, 1-3", ribbed, thick husk surrounding nut
- bark: defining characteristic

**Fruit or Nut Use**
- wildlife: mammals, esp. squirrels, also deer, turkeys, foxes, chipmunks, mice, bear; and birds, esp. wood ducks
- nut: raw and in cooking esp. baked goods
- native use: oil used for cooking, beverage

**Notes**
- no serious diseases or insects
- good yellow fall color
- native to extreme se Nebraska
- “pawcohiccora” Algonquin word for milk made from grinding hickory nuts
### Latin Name

**Juglans nigra**

### Common Name

**Walnut**

### Family

*Juglandaceae*

### Height x Width

70-90’+

### Harvest time

early autumn

### Bloom time and color

spring/gr. catkin

### Fruit color

green>black

### Description

- Large tree, spreading crown
- Flowers: monoecious, male: catkins, female: spikes
- Leaves: alternate, pinnately compound, 1-2’, w/ up to 23 leaflets ea. up to 4” long,
- Fruit: 1-3”, fleshy green covering>to black and breaking open
- Bark: dk brown>grayish black, deep narrow furrows in a diamond pattern

### Fruit or Nut Use

- Edible nut: raw, cooked; in baked goods, ice cream, food uses are endless
- Twice the protein of English Walnuts
- Wildlife: squirrels, woodpeckers, foxes

### Notes

- Produces juglone, a toxin which can inhibit the growth of nearby plants
- Native, drought tolerant