

FRUIT & NUT TREES OF MAXWELL ARBORETUM

Latin Name ***Carya cordiformis***

Common Name **Bitternut Hickory**

Family **Juglandaceae**

HeightxWidth to 75' Harvest time Sept. - Oct.

Bloom time and color mid-spring, green 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



FRUIT & NUT TREES OF MAXWELL ARBORETUM

Latin Name ***Carya illinoensis* 'Colby'**

Common Name **Colby Pecan**

Family **Juglandaceae**

HeightxWidth **30-40'+**

Harvest time

Bloom time and color

Fruit color



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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

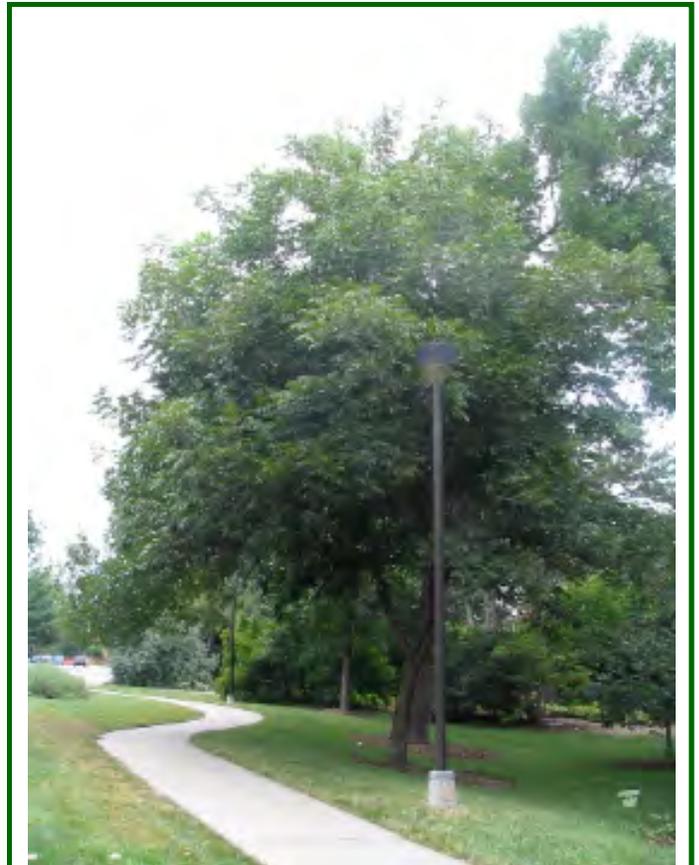
Seedling discovered on the Wash Orrell farm in Clinton Co., IL. Propogated by W.W. Lawrence of Fayette, IL. In 1942, his son J.W. propagated it while a student at UI and it was selected by horticulturalists A.S. Colby and J.C. McDaniel and tested as Illinois 1-19A. The cultivar was released in 1957. Resistant or immune to scab.



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FRUIT & NUT TREES OF MAXWELL ARBORETUM

Latin Name ***Carya illinoensis* × *Carya ovata* 'Henke'**

Common Name **Henke Hican**

Family **Juglandaceae**

HeightxWidth **50'** Harvest time **fall**

Bloom time and color Fruit color



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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."



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FRUIT & NUT TREES OF MAXWELL ARBORETUM

Latin Name ***Carya illinoensis* 'Giles'**

Common Name **Giles Pecan**

Family **Juglandaceae**

HeightxWidth

Harvest time

Bloom time and color

Fruit color



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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

Source: chance seedling found 1927, Neosho River near Chetopa KS by J.F. Wilkinson of Indiana Nut Nursery, Rockport Indiana. Named for A.E. Giles, owner of the property. Cultivar released in 1930.



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FRUIT & NUT TREES OF MAXWELL ARBORETUM

Latin Name ***Carya ovata***

Common Name **Shagbark Hickory**

Family **Juglandaceae**

HeightxWidth **60-80'+x 60'**

Harvest time **Sept./Oct.**

Bloom time and color **May/catkins**

Fruit color



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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

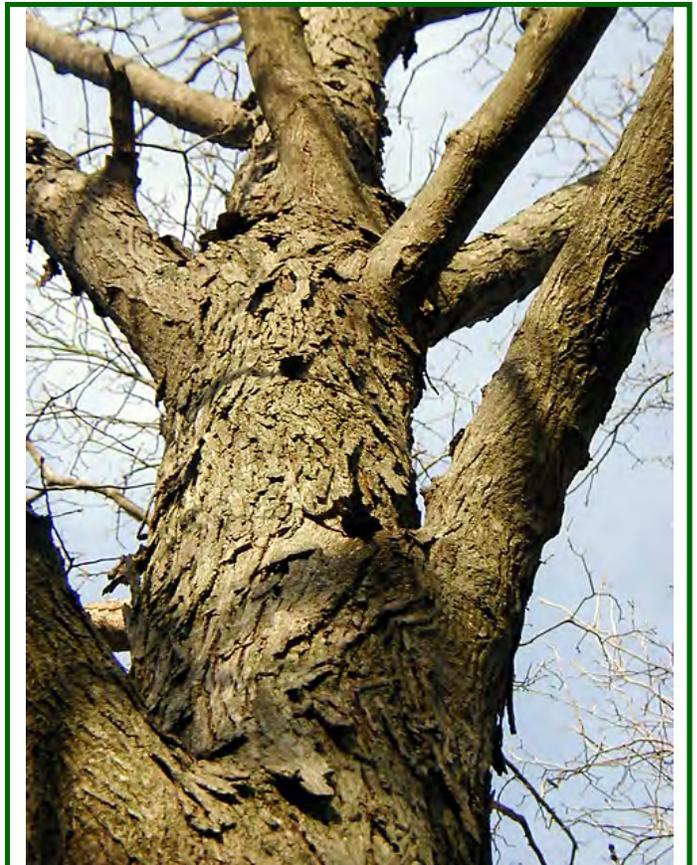
no serious diseases or insects
 good yellow fall color
 native to extreme se Nebraska
 "pawcohiccora" Algonquin word for milk made from grinding hickory nuts



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Missouri Botanical Garden

FRUIT & NUT TREES OF MAXWELL ARBORETUM

Latin Name ***Juglans nigra***

Common Name **Walnut**

Family **Juglandaceae**

HeightxWidth **70-90'+**

Harvest time **early autumn**

Bloom time and color **spring/ gr. catkin**

Fruit color **green>black**



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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



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