

“Tilia” **The Linden Family**



A field of *Tilia euchlora*,
Crimean Linden,
beside our *Betula nigra*,
River Birch.

Wade & Gatton Nurseries
1288 Gatton Rocks Road
Bellville, Ohio 44813

(1928 - 2011)
Our 83rd Year

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Monday thru Saturday
(Closed Sundays & Holidays)

“TILIA - THE LINDEN FAMILY”

(Tiliaceae Family - Tilia Genus)

Also called Basswood, Lime Tree, Whitewood. Leaves are heart shaped. Flowers are yellowish or white, are fragrant, have five sepals and petals, and are an important source of nectar for honeybees.

They primarily are important as an ornamental shade tree, both for its flowers and its upright, usually rounded head and normally compact top.

The inner wood of Lindens is very white, is used to make boxes, furniture, veneer, food containers, etc. Its tough inner bark is sometimes used to make rope. Branches trim easily, cut readily with ease, because the wood is so soft.

The Lindens are excellent shade trees for the homeowner, for street trees, parks, schools, playgrounds, malls, or in large planter boxes, nursing homes, hospitals, apartment or condominium complexes. Lindens can be planted for hedge row effects, and trimmed into hedges for windbreaks, shelterbelts, and hedging. They are very effective when trimmed into a large hedge.



**A field of *Tilia euchlora*,
Crimean Linden,
beside our *Betula nigra*,
River Birch.**

***Tilia americana* ‘American Sentry’, AMERICAN SENTRY AMERICAN LINDEN
(50’ tall x 25’ wide)**

A stately tree with a narrow upright habit of growth for smaller yards and spaces, features tightly upright branching, leaves turn rich gold in fall; fast growing and vigorous, resistant to insect attacks. American Sentry Linden has dark green foliage throughout the season. The large heart-shaped leaves turn an outstanding gold in the fall. It features subtle clusters of fragrant buttery yellow flowers with tan bracts hanging below the branches in early summer. Has rough silver bark. A dense deciduous tree with a strong central leader and a narrowly upright and columnar growth habit. Its relatively coarse texture can be used to stand it apart from other landscape plants with finer foliage. A relatively low maintenance tree, and usually looks its best without pruning, although it will tolerate pruning. It is a good choice for attracting bees to your yard. Should only be grown in full sunlight. It is very adaptable to both dry and moist locations, and should do just fine under average home landscape conditions. It is not particular as to soil type or pH. It is somewhat tolerant of urban pollution. Zone 4a.

Inventory Available 1-21-11	Caliper	Ball Size	Each Price
5-	1.25-1.50”	(20” B&B&R&W)	135.00
5-	1.50-1.75”	(22” B&B&R&W)	149.00
0-	1.75-2.00”	(24” B&B&R&W)	175.00

***Tilia americana* ‘Boulevard’, BOULEVARD AMERICAN LINDEN
(60’ tall x 30’ wide)**

The Boulevard Linden has a narrow pyramidal form with ascending branches. Large, dark green foliage combines beautifully with fragrant yellow flowers in early summer. This Linden is an attractive specimen where height is needed but width is limited, such as boulevards. It is best used for farmstead windbreaks, and park trees in open landscape areas because of its large size and spreading root system. This deciduous tree requires full sun, will tolerate some shade, and needs well drained soil. It has a pyramidal shape when young, becoming rounded when mature. Zones 3-8.

10-	1.50-1.75”	(22” B&B&R&W)	149.00
10-	1.75-2.00”	(24” B&B&R&W)	175.00
20-	2.00-2.50”	(26” B&B&R&W)	195.00
5-	2.50-3.00”	(28” B&B&R&W)	250.00

***Tilia americana* ‘Lincoln’, LINCOLN AMERICAN LINDEN (35’ tall x 25’ wide)**

The Lincoln American Linden grows pyramidal, compact and dense. Dark green foliage is followed by yellow fall color. Zone 3.

5-	1.25-1.50”	(20” B&B&R&W)	135.00
5-	1.50-1.75”	(22” B&B&R&W)	149.00

Tilia cordata, LITTLE LEAF LINDEN (65-100' in 50-80 years)

Also called Small Leaf Linden, European Linden or *Tilia parviflora*. The Linden is native to Europe, this counterpart of the American Linden. Leaves are smaller than American Linden, hence its name. Leaves are 1 1/4" to 2 1/4" long, heart-shaped, sharply and finely serrate, are dark green, lustrous and glabrous beneath. Petioles are 3/4" to 1 1/4" long. Top is pyramidal in youth, branching densely at old age. Little Leaf Linden makes a very nice shade tree for the home owner. It is round topped to pyramidal in shape, and has good summer leaf color that changes to yellow or greenish-yellow in Autumn. Flowers are fragrant, are borne in 5 to 7 flowered, pendulous cymes, in late June or early July, and are yellowish in color. Trees grow about 1' per year and lawn spacing should and could be 30 to 40' apart. For street tree use, plant 30 to 35' apart. If used for hedging and tall trimmed screens, plant 6 to 8' apart and allow bottom branches to stay on. Culture: Must have well drained soils, silt clay loam, but moist. pH 6.5 to 7.5. Zone 3.

Special Comments: We grow our Lindens primarily here in the Clear Fork River Valley where it is the coldest in Ohio. Our Lindens successfully withstood the January freeze of -50 degrees F. in 1992, suffering no injuries whatsoever. Spring frosts up until the second week of May also do not affect them either.

Inventory Available	Height or Caliper	Ball Size	Each Price	*Special*
1-21-11				
10-	2.00-2.50"	(26" B&B&R&W)	195.00	*****
15-	2.50-3.00"	(28-30" B&B&R&W)	250.00	240.00
22-	3.00-3.50"	(36" B&B&R&W)	345.00	295.00
30-	3.50-4.00"	(40" B&B&R&W)	395.00	324.00
21-	4.00-4.50"	(42" B&B&R&W)	440.00	395.00
24-	4.50-5.00"	(44" B&B&R&W)	495.00	440.00
15-	5.00-5.50"	(45-48" B&B&R&W)	595.00	*****
12-	5.50-6.00"	(50" B&B&R&W)	695.00	*****
9-	6.00-6.50"	(52-56" B&B&R&W)	745.00	*****
8-	6.50-7.00"	(54-58" B&B&R&W)	895.00	*****
1-	7.00-7.50"	(56-60" B&B&R&W)	995.00	*****
1-	7.50-8.00"	(58-62" B&B&R&W)	1,045.00	*****
1-	8.00-8.50"	(60-68" B&B&R&W)	1,145.00	*****

***Tilia cordata* 'Greenspire', GREENSPIRE LITTLE LEAF LINDEN (50')**

Plant patent #2086. One of the better Lindens. An excellent, single leaved shade tree that maintains a very nice branching habit. It is probably the most pyramidal of all the Lindens, which grows into a narrow, oval form. Branch formation sometimes is radially arranged on the trunks. Very suitable for street tree plantings, space at about 30' apart. It also makes a very suitable lawn specimen trees for church lawns, parks, and the home owner, or use near parking areas for industrial parks, multiple housing units, etc. Apparently Lindens tolerate many of our air pollutants. Greenspire has a nearly white flower, which appears in late June or early July, when not much else is in bloom. The blooming period last for about two weeks and is an important nectar source for the honeybees. If the flowers are rained on, the flower nectar is negligible and the honeybees will look for a better source. The flowers produce a very spicy, but pleasantly attractive fragrance. Greenspire Linden is the result of a cross between *Tilia cordata* 'Euclid' and another selection from Boston Parks. Culture: Greenspire Lindens must have good soil drainage. Linden roots die if the soil is water logged for over three months of the year. They prefer Lordstown or Wooster silt loam soil type series or equivalent. pH 6.0 to 7.5. Sun or partial shade. Zone 3.

Inventory Available	Height or Caliper	Ball Size	Each Price	*Special*
1-21-11				
85-	1.75-2.00"	(24" B&B&R&W)	175.00	*****
90-	2.00-2.50"	(26" B&B&R&W)	195.00	*****
95-	2.50-3.00"	(28-30" B&B&R&W)	250.00	240.00
105-	3.00-3.50"	(36" B&B&R&W)	345.00	295.00
95-	3.50-4.00"	(40" B&B&R&W)	395.00	324.00
110-	4.00-4.50"	(42" B&B&R&W)	440.00	395.00
18-	4.50-5.00"	(44" B&B&R&W)	495.00	440.00
20-	5.00-5.50"	(45-48" B&B&R&W)	595.00	*****
5-	5.50-6.00"	(50" B&B&R&W)	695.00	*****
8-	6.00-6.50"	(52-56" B&B&R&W)	745.00	*****
1-	6.50-7.00"	(54-58" B&B&R&W)	895.00	*****
1-	7.00-7.50"	(56-60" B&B&R&W)	995.00	*****
1-	7.50-8.00"	(58-62" B&B&R&W)	1,045.00	*****
2-	8.00-8.50"	(60-68" B&B&R&W)	1,145.00	*****
1-	8.50-9.00"	(65-70" B&B&R&W)	1,290.00	*****
0-	9.00-9.50"	(70-75" B&B&R&W)	1,345.00	*****
0-	9.50-10.00"	(75-80" B&B&R&W)	1,490.00	*****
0-	10.00-10.50"	(80" + B&B&R&W)	1,750.00	*****

(ALSO AVAILABLE IN CLUMP FORM - SEE LAST PAGE OF PRICE LIST)

Tilia x euchlora, CRIMEAN LINDEN

(40-60' in 50 years)

The Crimean Linden is the result of a cross between *Tilia cordata* and the native European Linden and *Tilia dasystyla*, the West Asian Linden. This cultivar will grow half as wide as tall and has a rounded, rather upright spreading crown. It is relatively slow growing. Interesting winter distinguishing characteristics, is that branches and twigs have a slight yellowish cast, which is unlike any other in the *Tilia* genera. This greenish-yellow cast is more pronounced on the underside of the younger slender branches, light reddish brown above. Leaves are lustrous dark green, glabrous and darker in color than the *Tilia cordata* species. Leaves also are 2 to 4" long, heart-shaped, sharply and finely serrate with micronulate teeth, are pale green and glabrous on the underside. Petioles are glabrous, 1 to 2" long. Leaf buds are glabrous, 1/4" long, and reddish-green. Crimean Linden is an excellent street tree or tree that can be used in malls, or larger planter boxes. It is said by several authorities that this species of Linden may have flower nectar that is harmful or deadly to honeybees. Especially if the flower period in late June is dry. Flowers are greenish-yellow, and are spicy fragrant. Tree produces quite a heavy display of flowers and does attract honeybees. Culture: Prefers good soil drainage, rich, fertile, silty, sandy, clay loam. pH 6.0 to 7.5. Sun. Zone 4.

Special Comments: Fall color is yellowish, then turns brown, shrivels up some and blow away readily. We've been growing this variety since 1985, and they are growing quite well. Crimean Linden survived well in our 1992 deep freeze of -50 degrees F. We are currently growing them in our very cold, lordstown silt loam here in our Clear Fork River Valley.

Inventory Available	Height or Caliper	Ball Size	Each Price	*Special*
1-21-11				
24-	2.50-3.00"	(28-30" B&B&R&W)	250.00	240.00
22-	3.00-3.50"	(36" B&B&R&W)	345.00	295.00
31-	3.50-4.00"	(40" B&B&R&W)	395.00	324.00
19-	4.00-4.50"	(42" B&B&R&W)	440.00	395.00
12-	4.50-5.00"	(44" B&B&R&W)	495.00	*****
10-	5.00-5.50"	(45-48" B&B&R&W)	595.00	*****
5-	5.50-6.00"	(50" B&B&R&W)	695.00	*****
6-	6.00-6.50"	(52-56" B&B&R&W)	745.00	*****
1-	6.50-7.00"	(54-58" B&B&R&W)	895.00	*****
1-	7.00-7.50"	(56-60" B&B&R&W)	995.00	*****

Tilia mongolica 'Harvest Gold', HARVEST GOLD MONGOLEAN LINDEN
 (30-40' tall x 25-30' spread)

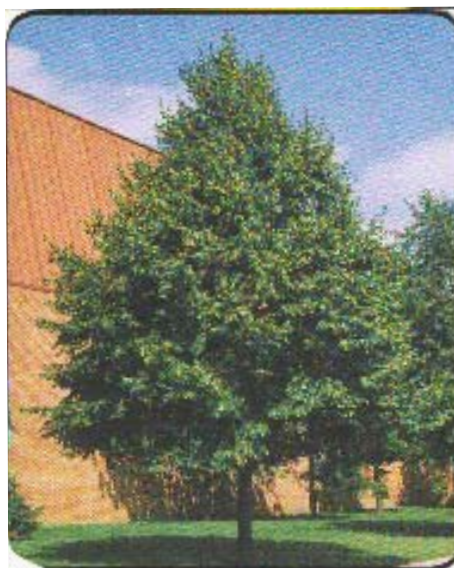
(P.P. #12232). This hybrid of *Tilia cordata* and *Tilia mongolica* was developed in Manitoba, Canada. It is hardier than Norlin Linden and very resistant to sunscald injury and leaf spot. An excellent boulevard tree, it has lovely exfoliating bark, golden buds and consistent golden yellow fall foliage color. Upright, oval growth habit. Zones 3-7.

				Special
8-	3.50-4.00"	(38-42" B&B&R&W)	395.00	324.00
6-	4.00-4.50"	(42-44" B&B&R&W)	490.00	395.00

Tilia tomentosa 'Green Mountain', GREEN MOUNTAIN SILVER LINDEN
 (50-70' tall x 25-40' spread in 30 years)

Developed and introduced by Princeton Nurseries in New Jersey. Yellowish flowers are strongly fragrant. Upright, symmetrical growth habit forming a dense canopy. Wind causes a shimmering effect as it ruffles the dark green leaves to reveal the silvery white undersides. Broadly pyramidal to oval shaped growth habit. Yellow fall foliage color. A very suitable tree for streets, parks, commercial or residential plantings. Makes an excellent specimen tree. Handles drought and heat well. Resistant to Japanese Beetles and Gypsy Moths. Zone 4-7.

Inventory Available	Height or Caliper	Ball Size	Each Price
1-21-11			
20-	2.00-2.50"	(26" B&B&R&W)	224.00
15-	2.50-3.00"	(28-30" B&B&R&W)	275.00
15-	3.00-3.50"	(32-38" B&B&R&W)	345.00
10-	3.50-4.00"	(38-40" B&B&R&W)	395.00
10-	4.00-4.50"	(40-42" B&B&R&W)	440.00
5-	4.50-5.00"	(42-44" B&B&R&W)	495.00
5-	5.00-5.50"	(44-48" B&B&R&W)	595.00



Tilia tomentosa 'Green Mountain'

***Tilia tomentosa* ‘Sterling Silver’, STERLING SILVER LINDEN**

(45' tall x 25' spread in 30 years)

A very distinctive, impressive, broadly pyramidal, growth habit with lustrous green, healthy leaves above with a silvery white underside. Very young leaves, as they emerge from the leaf bud, appears silvery all over, until the leaf unfurls. The bark is attractive, handsome, grayish color, and in winter provides a distinctive silhouette against the sky or dark background. We find that they are resistant to Japanese Beetles and are said to resist Gypsy Moths. As a street tree we’ve found them quite good. The Village of Oakwood, Ohio have purchased many trees from us and by driving through this town, you can see just how well they do grow here in Ohio. We’ve been growing them since 1994, with our current inventory of about six hundred trees.

Inventory Available	Height or Caliper	Ball Size	Each Price
1-21-11			
20-	2.50-3.00”	(28-30” B&B&R&W)	275.00
25-	3.00-3.50”	(36” B&B&R&W)	345.00
25-	3.50-4.00”	(40” B&B&R&W)	395.00
40-	4.00-4.50”	(42” B&B&R&W)	440.00
35-	4.50-5.00”	(44” B&B&R&W)	495.00
16-	5.00-5.50”	(45-48” B&B&R&W)	595.00
14-	5.50-6.00”	(50” B&B&R&W)	845.00
12-	6.00-6.50”	(52-56” B&B&R&W)	995.00
5-	6.50-7.00”	(54-58” B&B&R&W)	1,045.00
4-	7.00-7.50”	(56-60” B&B&R&W)	1,095.00
2-	7.50-8.00”	(58-62” B&B&R&W)	1,145.00
1-	8.00-8.50”	(60-68” B&B&R&W)	1,245.00
1-	8.50-9.00”	(65-67” B&B&R&W)	1,290.00
0-	9.00-9.50”	(70-75” B&B&R&W)	1,345.00
0-	9.50-10.00”	(75-80” B&B&R&W)	1,490.00
0-	10.00-10.50”	(80-85” B&B&R&W)	1,750.00

(ALSO AVAILABLE IN CLUMP FORM - SEE LAST PAGE OF PRICE LIST)



***A 4 inch caliper
Tilia tomentosa ‘Sterling’
in one of our***

MULTIPLE STEMMED, CLUMP FORM LINDENS

Available in a variety of cultivars, in limited quantities. Most have 5, 6, 8 or 9 stems coming up from a cut back tree that had been damaged so much by deer, etc., or in mowing , that we cut them back and they come up remarkably well. Many of our design-build landscape firms buy them every year and work them into their designs to make them distinctively attractive. They do well and we have them available in *Tilia cordata*, *cordata* 'Greenspire', *euchlora*, and *tomentosa* 'Sterling Silver'. Select your own whenever you can and have something on your property or landscape project no one else does!

**Inventory
(1-21-11)**

2-	8 - 9'	Clumps	(28-32" B&B&R&W)	195.00
2-	9 -10'	Clumps	(30-34" B&B&R&W)	240.00
2-	10-11'	Clumps	(32-36" B&B&R&W)	295.00
2-	11-12'	Clumps	(34-38" B&B&R&W)	345.00
2-	12-13'	Clumps	(38-42" B&B&R&W)	420.00
5-	13-14'	Clumps	(42-45" B&B&R&W)	540.00
12-	14-15'	Clumps	(45-50" B&B&R&W)	595.00
6-	15-16'	Clumps	(52-54" B&B&R&W)	625.00
3-	16-17'	Clumps	(52-56" B&B&R&W)	695.00
5-	17-18'	Clumps	(54-58" B&B&R&W)	795.00



Tilia tomentosa
'Sterling'
'Clump Form'