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U. S. Department of Agriculture

NUT TREES

GRAFTED and SEEDLINGS



A Three Months Grafted Thomas at

Michigan Nut Nursery

Box 231

UNION CITY, MICHIGAN

FOREWORD: We are glad to present you with our latest catalog of hardy nut trees for northern planting. The first part of this booklet is devoted to grafted stock and varieties of outstanding popularity. The last pages of this catalog describe our line of seedling stock which is often planted where the high quality of nut is not an important factor. Many of these seedlings are branched and we highly recommend them for shade and reforestation or experimental work.

I wish to thank our many customers and friends for their interest and support. We do all we can to show our appreciation by filling all orders with stock true to name and fully up to our usual high standard.

Sincerely yours,

H. P. BURGART

PLANT OUR GRAFTED NUT TREES FOR PROFIT: Do not delay planting your nut orchard another year while expecting prices of grafted nut trees to drop. Prices are entirely dependent upon the cost of production, and until weather conditions and supply of graftwood come our way to better advantage we cannot sell grafted stock for less money.

Last Spring and Summer we grafted and budded about 4,000 trees of various species and varieties. Graftwood of some of these being imported and costing us "plenty". In early June the extreme heat set in and killed nearly all of these buds and grafts. Later efforts at summer patch budding were also a failure. These unfavorable conditions leave us facing the shipping season with but a few thousand grafted trees that are three years old on the graft.

Here is a fine opportunity for those who plant our stock this year, as the unions are well overgrown, giving our customers the advantage of getting the best in nut trees at the lowest price possible.

The question is often asked, "Can grafted nut trees be produced for less money?" We must say, no—due to the uncertainty in propagating them.

WHAT ABOUT THE NEW PROMISES MENTIONED LAST SPRING?: We are sorry to admit that we lost all grafts set in Crath and Broadview, the hardy Canadian English walnut varieties. Do not order any of these until you find them listed on our price list and order blank sheet. Along with these we lost other new varieties of several species—Luther Butternut; Mann Hickory; Dyer Hickory and others.

We are going to try our luck again this year with the Broadview English walnut. This variety is very hardy and for those in the northern range it is about the only safe variety of *Juglans Regia*. Note the Engraving of the Broadview's large nut and plump kernel.

Inquiries are coming "to beat all" for this new nut which has been given considerable praise by various magazines and authorities. Our Mother Blocks of Broadview are coming along fine and we hope to have a supply of these ready for sale in the near future.

SPECIES AND VARIETIES DISCONTINUED DUE TO LACK OF HARDINESS

Since starting our nut tree nursery here in southern Michigan with the fact in mind that we were starting something new, we have been constantly testing varieties of nuts recommended by others to be adapted to northern

climates. At first we had hopes that some of those suggested might prove out and so started propagating species and varieties which we thought might stand the test, Michigan climate. These tests cost us time and money and eventually would mean a loss of valuable customers if we should continue to sell these trees which would suffer winter injury and not prove productive. Among those discontinued are the following: W. Mayette, Franquette, and Rush English walnuts. These were found unworthy due to the fact that they were often subject to winter injury and a loss of staminate bloom which made them unproductive.

The European Filberts-Barcelona, Du Chilly, Daviana are also showing a lack of hardiness of staminate bloom here.

PLANT BUDDED OR GRAFTED STOCK: Unless you plant budded or grafted trees you can not be certain of early bearing and the production of the highest quality nuts. Nearly all nut tree planters are considering only such stock of the best quality. Grafted trees come into bearing, in one-third the time required for those not grafted.

PLANTING DISTANCE: Plant pecan and walnut trees 50 to 60 feet apart. English walnuts 40 to 50 feet apart. Hazels 15 feet apart. Japanese walnut and butternut trees 40 to 50 feet apart.

WHEN TO ORDER AND PLANT: We book orders all summer for fall shipment. Order now and we will ship at proper planting time. Spring orders are often booked in November. Nut trees may be safely planted at any time while dormant. We do not recommend spring plantings later than June first.

PACKING NUT TREES: All stock is packed in moss; securely wrapped in heavy paper and sewed securely in burlap. This is a time-taking method of packing, but pays the buyer by insuring arrival of stock in best condition. Order stock shipped by express whenever possible. We do not prepay charges.

TERMS: Cash with order. Send remittance by check or money order.

IMPORTANT: Do not try to force your planting of nut trees too much the first year by fertilizing heavily. It is best to wait until the second year before adding commercial fertilizers.

The planting of our freshly dug and properly packed grafted nut trees may be looked upon to give perfect results providing the trees are well planted in rich top soil, mulched with straw and provided with water poured upon the mulch when extreme hot dry weather threatens. One year of good care will usually insure the safety of the planting.

PROFITS AND AGE OF BEARING: Grafted black walnut trees properly planted on good soil often set a few nuts the second or third year. By the time the trees reach the eighth or tenth year they should yield at least one bushel of fine nuts per tree. Imagine what a 500 or 1,000 tree grove would bring in cash at this rate at \$4.00 per bushel for good grafted nuts.

The pecans come into bearing fully as soon as the walnuts. Northern pecans come from record bearing trees and the quality of the nuts fully equals those coming from the south.

The Hazel bears very young. Young plants frequently starting nut production the second year. These make excellent fillers for the nut orchard. A seven-year Rush Hazel tree here started bearing the second year and last fall at seven years, increased its annual production to five pounds of hulled nuts nearly as large as filberts.

A planting of nut trees will, after the tenth year, increase its production many times, old trees often bearing twenty-five bushels or more per tree.

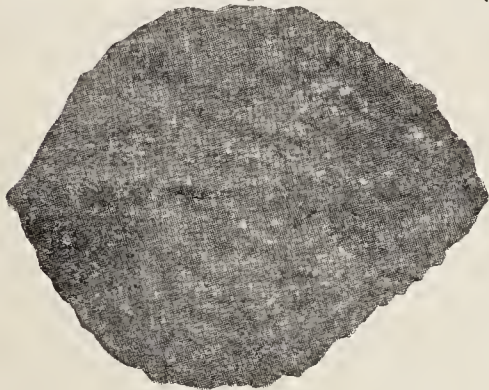
IMPROVED BLACK WALNUTS: All varieties of black walnut listed by us are bearers of the highest quality nuts. These varieties have been tested and found perfectly hardy and practically immune to diseases.

Our grafted trees grow on all kinds of soils and locations with good success. The demand for black walnut kernels is gaining much favor in recent years with candymakers and ice cream manufacturers. Black walnut orchards are a safe and paying investment, especially for those who have idle land.

OHIO: From Northern Ohio. Tree is a fast grower with a very beautiful ornamental effect. Many of our Ohio grafts have nuts the following fall after setting. Nuts are large. Shell thin. Kernel white and plump. Of good quality. This is an excellent cracking nut and the halves of the kernels may be removed whole in most cases. Our grafts taken from best producing strains.



STABLER: Originated in Maryland. Tree produces beautiful foliage and makes a fine ornament. It bears large, thin-shell nut from which the meats may be removed in whole halves in most cases. Stabler is the thinnest shelled black walnut yet discovered. Meats are somewhat striped; very attractive and bring fancy prices.



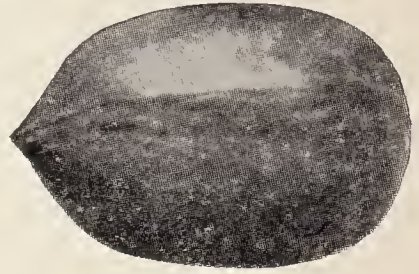
Some topworked Stabler trees in this vicinity are creating much interest and people remark that they never before have seen such wonderful cracking black walnuts.

THOMAS. Tree is of Pennsylvania origin. It is the most rapid grower of them all. Nuts are larger than any other propagated black walnut. Yet they are remarkably thin shelled and the light colored kernels come out nicely. Thomas is a heavy bearing variety, ideal for the commercial producer.



NORTHERN PECANS: Are proving fully hardy here and seem to grow well in most any location. Our hardy northern grown stock should not be confused with the southern pecan which has often been brought here only to fail. We start our young pecan stock from the seed with no winter protection at any time. There is no trace of winter injury. Trees are somewhat drooping and make fine lawn ornaments.

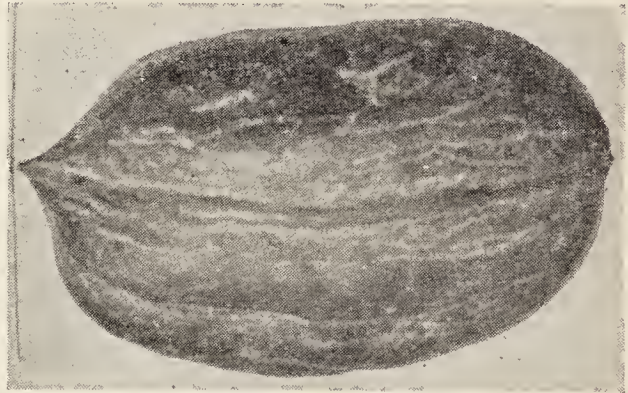
BUTTERICK: Originated near Grayville, Ill. Crop record of mother tree is proof that this variety will be one of the best for commercial plantings in the north. Nut is large. Shell thin. Kernels come out freely and are usually plump, even brown and very good quality. A safe variety for the north.



MAJOR: Originated in Kentucky. Original tree is large and a prolific and annual bearer. Nuts are medium in size. Very good cracking quality. Kernels are nice and even brown. Thin shell.

BUSSERON: The mother tree of this variety is also known as being a heavy bearer. Tree is hardy here. This variety should find a place in every northern planting. Nut is somewhat longer than the Butterick. Kernel smooth brown; of good flavor and comes out of shell freely. As good a quality as found in any southern pecan.

McCALLISTER HICAN: A cross between the pecan and the hickory. Note Illustration. Tree is a very rapid grower. Fully as hardy as a native hickory. Trees have large, thick, dark green foliage and smooth, light bark which makes them well suited for ornamental planting. The exceptionally large nuts crack easily and yield good flavored kernels possessing much of the hickory flavor.



BUTTERNUT: That good old fashioned long nut is going to be a thing of the past unless people take the situation to heart and plant more young trees. Little has been done in the past in the way of propagating this nut as good cracking varieties have been very scarce. We have started propagation, a discovery of our own and believe it to be the best butternut we have yet seen. Do not order until you find our prices quoted on these in our price list.

CRAX-EZY BUTTERNUT: Originated here at Union City, Michigan. Mother tree was old and about to die when discovered by us. Tree at one time was a large vigorous grower. The few live limbs were loaded with nuts every fall. Nut is medium length; shell is thin and may be cracked with a knife point in many cases. Meats come out easily in whole halves. Note illustration.



Price List and Size Stock on Hand

Note: Where variety is named, but no price quoted do not order until we send you a sheet with price quoted. New and rare varieties not for sale but under propagation are simply being introduced. We will send you new price sheet as soon as stock is ready for shipment.

(GRAFTED OR BUDDED STOCK)

		each	per 10	per 100
BLACK WALNUT TREES—				
	3 to 4 ft. tall	\$1.75	\$15.00	\$110.00
	4 to 5 ft. tall	2.00	17.50	120.00
	5 to 7 ft. tall	2.50	22.50	160.00
	8 to 10 ft. tall	3.00	25.00	
NORTHERN PECAN TREES—				
	3 to 4 ft. tall	2.00	18.50	145.00
	4 to 5 ft. tall	2.25	21.00	160.00
	5 to 7 ft. tall	2.50	22.50	175.00
ENGLISH WALNUT—				
(Broadview)	2 to 3 ft. tall			
	3 to 4 ft. tall			
	4 to 5 ft. tall			
BUTTERNUT—				
(Crax-ezy)	2 to 3 ft. tall			
	3 to 4 ft. tall			
	4 to 5 ft. tall			
TREE HAZEL—				
(Rush variety)	12 to 24 in. tall			
	2 to 3 ft. tall			
	3 to 4 ft. tall			

All stock shipped F. O. B. Union City, Michigan.

SPECIAL—We have a few grafted trees of Michigan origin in 3 to 4 ft. size. Allen and Wiard black walnut varieties, \$2.50 each.

(HARDY, NATIVE SEEDLING NUT TREES)

		each	per 10	per 100
HARDY PECAN TREES—				
	2 to 3 ft. tall	\$.50	\$ 4.00	\$ 35.00
	3 to 4 ft. tall	.60	5.00	40.00
	4 to 6 ft. tall	.70	6.00	50.00
NATIVE BLACK WALNUT—				
	2 to 3 ft. tall	.40	3.00	25.00
	3 to 4 ft. tall	.45	4.00	35.00
	4 to 6 ft. tall	.50	4.50	40.00
	6 to 8 ft. tall	.75	7.00	60.00
BUTTERNUT TREES—				
(Native seedling)	3 to 4 ft. tall	.50	4.00	35.00
	4 to 6 ft. tall	.75	6.00	50.00
JAPANESE WALNUT TREES—				
	4 to 7 ft. tall	1.00	8.00	70.00
BITTERNUT HICKORY TREES—				
	2 to 3 ft. tall	.25	2.50	20.00

ORDER SHEET

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MICHIGAN NUT NURSERY
Union City, Michigan

Amount Enclosed \$ _____

Please Ship the Following by _____

(State how you wish order shipped)

To address of _____

Express office, if different from P. O. _____

Post Office _____

County _____ State _____

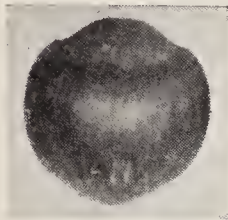
Order Sent by _____

(Name of person sending this order)

No. Trees	Kinds and Varieties	Price

AMERICAN HAZELS: Grow in nearly all parts of the country along fence rows and in wood lots. They are very hardy, but are not, as a rule, very good producers. The nuts are sometimes small and poorly filled.

We are propagating a hybrid variety of American hazel that is a wonderful addition to any nut orchard.



RUSH TREE HAZEL: Is a fast growing tree that reaches the size of a peach tree. Unlike the wild hazel, this form does not stool out much at the base and is thus less troublesome. The Nuts are nearly as large as the filberts and they are all plants bear very young; often the same year transplanted. ways full of meats. The Rush is very hardy and produces an abundance of staminate bloom that insures the annual heavy productoin of well filled nuts. No other pollinators needed. Order when you see our prices quoted in the price list sheet.

ENGLISH WALNUT: Trees grow here quite well, but as mentioned in a previous paragraph, are not sufficiently hardy to carry the staminate bloom through the cold winters. We have discontinued all varieties heretofore listed and wish to introduce our new exceptionally hardy Canadian variety.

BROADVIEW ENGLISH WALNUT

Originated near West Bank, British Columbia where winter temperatures reach 35 below zero. The mother tree began bearing at an early age and is said to be a heavy annual bearing tree. The Nuts are large as the California walnuts and fully as good quality. They have thin shells and the meats come out freely. Flavor is excellent. See Illustration. Order when you see our prices quoted on price sheet.



NUT TREES FROM SEED FOR ORNAMENTAL, REFORESTING AND STOCK PURPOSES

All seeding nut trees are grown from select nuts and trees have been carefully grown in the nursery for at least three years. Most stock has a modified root system produced by running the digger under the stock and producing a lateral root system for safer transplanting. All stock listed has been transplanted at least once. We can supply seedling stock in sizes from 2 to 7 feet.

Hardy Pecan trees	2 to 6 ft. sizes in stock
Japanese Walnut trees	4 to 7 ft. sizes in stock
Black Walnut trees	2 to 9 ft. sizes in stock
Butternut Native	4 to 6 ft. sizes in stock
Bitternut Hickory, for stocks	2 to 3 ft. sizes in stock
(For prices, see price list sheet)	

TERMS OF SALE

We guarantee all stock to be of quality and name specified. All stock is shipped in best condition and has been freshly dug to insure our customers. Should any stock not prove true to name, we will replace on proper proof, but will not be liable for further damage. Our stock, according to our customers, will give excellent results if properly planted and cared for.

