

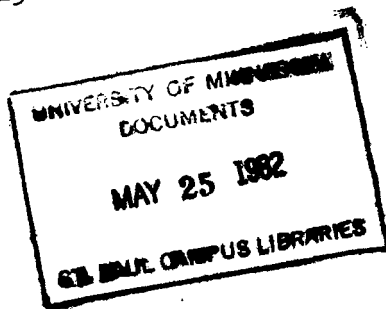
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UNIVERSITY OF MINNESOTA
AGRICULTURAL EXTENSION DIVISION

UNIVERSITY FARM ST. PAUL

MINNESOTA BOYS' AND GIRLS' CLUBS
T. A. Erickson, State Leader
Bulletin No. 15



JUNIOR FORESTRY
4-H BLACK WALNUT PROJECT

by

Parker Anderson
Extension Forester

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FARM FORESTRY

By Parker Anderson
Extension Forester

4-H Black Walnut Club - Southern Minnesota

Membership - open to all farm boys and girls of "standard club age"- 12 - 20 years.

Project - Planting Black Walnuts.

WHY? -- The Black Walnut produces the most highly prized natural wood in Minnesota. It is a dual purpose tree, in that the wood is valuable for furniture, radios, cabinets, veneer, interior finish, gun stocks, aeroplane propellor and many other exacting uses; the nuts from the same tree are highly prized as food, used in candies, cakes, desserts etc.

The trees are easily started, grow fairly fast and will become a growing bank account for the future and a decided land asset.

WHERE? -- Black walnuts will grow best if planted on alluvian soils, deep and moist fertile clay, or sandy loam soils in fact soils which are moist but well drained. This tree grows well adjoining streams occasionally overflowed. These trees should not, however, be planted on sour clay soils. Black Walnut will grow well planted as single trees or as pure stands.

The following places are suggested for planting:

1. In waste places, on unused land, fence corners, along fence rows, hollows, ravines, streams, brooks, pockets of good soil among rocky outcrops.
2. In openings in present farm woods where soil is good.
3. In fertile fields too rolling or rugged for cultivation.
4. In the farm yard as ornamental trees.

HOW? -- Select walnuts for planting purposes which have been produced from strong, healthy, well formed, rapid growers; from trees which usually yield the heaviest annual nut crop, if possible, Select nuts to plant which are large, thin shelled, healthy, plump, rich looking, mild in flavor.

The nuts may be planted as soon as ripe in the fall or early spring and may be planted directly in permanent place or planted in the garden for a year and later transplanted to the permanent location.

The following methods should be followed in planting:

1. Plant in fall just after nuts are fully ripe or early spring as soon as frost is out enough to make planting possible.
2. Make a seed spot for planting the nuts by digging up the soil about a foot square.
3. Put at least two nuts in each hole or seed spot since not every nut is fertile. If both come up after a few months, cut one off, after indications are that both will come through or transplant the extra one some other place.
4. Plant nuts about two (2) inches deep and tamp soil firmly. Too deep planting is not desirable.

5. In planting nuts a mattock, broad pick or narrow spade may be used. If planting in grass dig up soil for foot or so around seed spot in order to check competition from weeds and grass.
6. Spacing for planting ought to be (8) eight feet apart each way which means about 680 seed spots or trees per acre. Close planting of black walnut makes full use of ground for valuable timber production, encourage straight, clean trees and shut out competing grasses.
7. A bushel of walnuts contains from 1000 to 1400 nuts and will allow two (2) nuts to the seed spot enough to plant one acre.
8. Keep weeds, grass, fire and cattle away from plantings.
9. Budded or grafted trees of good varieties of Black Walnut may be secured from nurseries.

Club Requirements.

To be a member of the club each boy or girl will be required to do the following work and make a report to the county agent and extension forester.

1. Plant 25 seed spot or holes with two (2) black walnuts in each spot, or plant 25 Black Walnut Seedlings. Number each seed spot or seedling and keep a record on furnished report card.
2. Keep weeds, grass, fire and cattle away from young trees. Remove extra seedling in seed spot at end of first year's growing season if both walnuts continue to grow.
3. Keep a five year record of each tree. At end of growing season make a record of living trees. If tree is dead note on record sheet and replant. Make record of replanted trees. Keep record of year planted. Record height of each tree in inches at end of growing season and record same on furnished report card.

N.B. Similar projects may be carried on with Butternut, Hickory, White Oak and Red Oak.

Minnesota: Farm Forestry

County _____

4-H BLACK WALNUT CLUB

Name of Member _____ Address _____

Project: Planting Black Walnuts

Date of Planting: Month _____ Day _____ Year _____

Kind of Planting Stock: Nuts _____ Seedling (Age) _____

Source of Planting Stock _____

Where Planted: (a) In Waste Places _____

(b) In Regular Area _____ Distance Apart _____ feet.

RECORD OF TREES OR NUTS PLANTED AND RESULTS FOR FIVE YEAR PERIOD

Tree	End of 1st yr.			End of 2nd yr.			End of 3rd yr.			End of 4th yr.			End of 5th yr.			
	L	D	R	Hgt.	L	D	R	Hgt.	L	D	R	Hgt.	L	D	R	Hgt.
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Average _____

Note: Make a record in above table for each individual tree for each year. Check column (L) if living; (D) if dead; (R) when replanted. Give height in inches in column marked (Height)

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