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INDEXED

CONDENSED

CATALOG

AND PRICE LIST

SPRING 1912

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WASHINGTON, D. C.

Milton Nursery Co.
A. MILLER & SONS, Inc.
MILTON, OREGON

"GENUINENESS—QUALITY"
==== FIRST AND LAST ====

INTRODUCTION.

We are issuing this condensed catalog and price list for the Spring of 1912. Our complete descriptive catalog will not be available till the coming Fall. The description of varieties is left out for want of space, but those named are standard, and adapted to the Northwest, and other fruit sections, and the quality is well known. Those who may not be familiar with the kinds of nursery stock offered, will be cheerfully supplied with such information as we have in hand, on request.

We thank our customers for their liberal patronage, and for the many kind and favorable words spoken in our behalf. We will endeavor to always maintain the high standard of "Genuineness and Quality," which appeals to the discriminating planter. Your orders are solicited with the assurance the same will be handled carefully, promptly and satisfactorily. **Thirty-three years** of experience, the best of soil and up-to-date methods and facilities enables us to offer you this service.

To our patrons and friends we extend a cordial invitation to visit our nurseries, when we will be glad to show you our plant. No business transacted on Saturday.

MILTON NURSERY CO.

PLEASE READ.

1.—We begin shipping in the Fall, about the 20th of October, continuing until freezing weather, and usually in the Spring from March 1st to the middle of April.

2.—Orders should be sent in as early as possible, that there may be plenty of time for shipping long distances when necessary.

3.—Buyers ordering by letter should write out their order plainly. This will prevent mistakes in the hurry of the packing season. Also, write your name, post-office, state and county as plainly as possible.

4.—Give plain and specific directions. When none are given we forward according to our best judgment, but in no case do we assume any responsibility after the delivery of the stock in good condition to the forwarder.

5.—Those who are not acquainted with the merits of the different varieties will do well to leave the selection to us, stating if wanted for family or market use, and giving the proportion of Summer, Fall and Winter, as we shall send only such as give general satisfaction, and our long experience enables us to select varieties adapted to the locality.

6.—We take great care to have our trees true to name, cutting all our scions and buds from bearing trees ourselves, and not trusting it to our hired men, but if any should prove untrue we will replace the same or refund the money. It is, however, understood between the purchaser and ourselves that in no case will we be held liable for a greater sum than the original price paid for the trees that prove untrue.

7.—All the trees and plants are carefully labeled and securely packed in the best possible manner, and delivered at the railroad or postoffice, for which no extra charge is made.

8.—Orders must be accompanied with the cash or satisfactory reference.

9.—Remittances may be made by Bank Draft, Express Checks, Postal Orders or Registered Letters.

10.—Our Customers are requested to notify us immediately if any errors occur in filling their orders, so that we may at once correct them, as we desire to conduct our business in all respects satisfactory to those who favor us with their confidence.

Treatment of Nursery Stock that has been Frozen in the Packages or Received During Freezing Weather.

Place the packages UNOPENED in a cellar or some such place, that is COOL but free from frost, until completely thawed. DON'T be in a hurry to open. The stock can remain in the packages for two weeks or longer if necessary without injury. If boxes are covered over with sawdust, earth or something to exclude air it will be better.

After the FROST is ALL OUT the stock can be opened up and packed away, or heeled until ready to use. Treated thus it will not be injured by freezing.

CONDENSED CATALOG AND PRICE LIST

FRUIT DEPARTMENT

APPLES.	Each	Dozen	100	1,000
1 year old, 2 to 3 feet.....	.15	\$1.75	\$10.00	\$ 80.00
1 year old, 3 to 4 feet.....	.22	2.25	16.00	140.00
1 year old, 4 to 5 feet.....	.25	2.50	18.00	160.00

VARIETIES.

Summer.

Yellow Transparent	Red Astrachan
Early Harvest	Sweet June
Red June	

Fall.

Autumn Strawberry	Maiden Blush
Alexander	Rambo
Duchess of Oldenburg	Red Bietigheimer
Fameuse, or Snow	Twenty Ounce
Gravenstein	Waxen
Jeffries	

Winter.

Arkansas Black	Rome Beauty
Baldwin	Rhode Island Greening
Ben Davis	Roxbury Russett
Bailey Sweet	Spitzenburg
Blue Pearmain	Stayman Winesap
Grimes Golden	Talman Sweet
Gano	Winesap
Jonathan	White Winter Pearmain
King	Wolf River
Lawver	Wealthy
Mammoth Black Twig	Wagener
Missouri Pippin	Yellow Newtown Pippin
McIntosh Red	Yellow Bellflower
Northern Spy	York Imperial
Red Cheek Pippin	

NEW AND CHOICE SORTS.	Each	Dozen	100	1,000
1 year old, 3 to 4 feet.....	.35	\$3.50	\$25.00	
1 year old, 4 to 5 feet.....	.40	4.00	30.00	

Spokane Beauty (Largest apple grown.)

Early Goodwin (Best early apple.)

Winter Banana (New Choice winter apple.)

Delicious (Quality expressed by name.)

CRAB APPLES.	Each	Dozen	100	1,000
1 year old, 3 to 5 feet.....	.30	\$3.00	\$22.00	
Transcendant	Yellow Siberian			
Hyslop	Whitney No. 20			
Red Siberian	Martha			

PEARS.	Each	Dozen	100	1,000
1 year old, 3 to 4 feet.....	\$.35	\$3.50	\$25.00	\$225.00
1 year old, 4 to 6 feet.....	.40	4.00	30.00	275.00

Summer.

Bartlett	Clapps Favorite
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Autumn.

Doyenne du Comice	Idaho
Flemish Beauty	L. B. Jersey
Beurre Anjou	Fall Butter
Seckle	

Winter.

Beurre Easter	Vicar Winkfield
Winter Nellis	

NEW AND CHOICE SORTS.	Each	Dozen	100	1,000
1 year old, 4 to 6 feet.....	\$.50	\$5.00	\$35.00	
Rossney	Winter Bartlett			

CHERRIES.	Each	Dozen	100	1,000
1 year old, 3 to 4 feet.....	\$.40	\$4.00	\$30.00	
1 year old, 4 to 6 feet.....	.45	4.50	32.00	280.00

Sweet Varieties.

Early Purple	Black Republican
Centennial	Governor Wood
Shelton	Black Tartarian

Duke and Morellos.

May Duke	English Morello
Late Duke	Olivet
Early Richmond	Montmorency

CHOICE SWEET COMMERCIAL SORTS—Best Shippers.

	Each	Dozen	100	1,000
1 year old, 4 to 6 feet.....	\$.50	\$5.00	\$35.00	\$300.00
Ping	Royal Ann			
Lambert				

PLUMS.		Each Dozen	100	1,000
1 year old, 4 to 6 feet.....		\$.35	\$3.50	\$28.00
Peach Plum	Yellow Egg			
Bradshaw	Columbia			
Blue Damson	Coe's Golden Drop			
JAPANESE SORTS.		Each Dozen	100	1,000
1 year old, 4 to 6 feet.....		\$.40	\$4.00	\$30.00
Abundance	Prunus Simoni			
Burbank				
PRUNES.		Each Dozen	100	1,000
1 year old, 4 to 6 feet.....		\$.30	\$3.00	\$22.00
Hungarian	Silver			
Petite d'Agen	Golden			
Italian (Stock sold for Spring 1912.)				
NEW, SPECIAL SORTS.		Each Dozen	100	1,000
1 year old, 4 to 6 feet.....		\$.40	\$4.00	\$30.00
Sugar	Tragedy			
PEACHES.		Each Dozen	100	1,000
1 year old, 3 to 4 feet.....		\$.20	\$2.25	\$18.00
1 year old, 4 to 6 feet.....		.25	2.50	20.00
Alexander	Late Crawford			
Amsden June	Malta, or Muir			
Foster	Elberta			
Greensboro	Crosby			
Globe	Cox's Cling			
Hales Early	Indian Peach			
Salway	Lemon Cling			
Early Crawford	Heath Cling			
NEW, CHOICE SORTS.		Each Dozen	100	1,000
1 year old, 4 to 6 feet.....		\$.30	\$3.00	\$22.00
Triumph	Perfection			
Champion				
SPECIAL.		Each Dozen	100	1,000
1 year old, 4 to 6 feet.....		\$.50	\$5.00	\$35.00
Arp Beauty				
NECTARINES.		Each Dozen	100	1,000
1 year old, 4 to 6 feet.....		\$.40	\$4.00	
Early Violet				
APRICOTS.		Each Dozen	100	1,000
1 year old, 3 to 4 feet.....		\$.35	\$3.50	\$25.00
1 year old, 4 to 6 feet.....		.40	4.00	30.00
Early Golden	Moorpark			
Peach Apricot	J. L. Budd (Russian variety)			
Royal				
SPECIAL SORT.		Each Dozen	100	1,000
1 year old, 4 to 6 feet.....		\$.50	\$5.00	\$35.00
Tilton				
QUINCES.		Each Dozen	100	1,000
1 year old, 3 to 4 feet.....		\$.50	\$5.00	
Champion	Angers			
MULBERRIES.		Each Dozen	100	1,000
Russian, 2 yr, 4-6 feet.....		\$.30	\$3.00	\$20.00
Russian, 2 yr, 6-7 feet.....		.40	4.00	25.00
Downing Everbearing, 1 year,				
4 to 6 feet .....		.60	6.00	
NUT TREES.				
ALMONDS.		Each Dozen	100	1,000
Gross Tendre, 1 yr, 4-6 feet.		\$.35	\$3.50	\$25.00
I. X. L., 1 yr, 4 to 6 feet....		.35	3.50	25.00
Nonpareil, 1 yr, 4 to 6 feet.		.35	3.50	25.00
Dayton, 1 yr, 4 to 6 feet....		.50	5.00	35.00
WALNUTS.				
Black Walnut, 1 yr, 2-3 ft..		\$.25	\$2.50	\$18.00
Black Walnut, 2 yr, 3-4 ft..		.30	3.50	25.00
Black Walnut, 3 yr, 4-5 ft..		.40	4.50	
Butternut, or White Walnut,				
2 yr, 2 to 3 feet.....		.40	4.00	
English Walnuts—				
Mayette, 2 yr, 2 to 3 feet...		\$.50	\$5.00	\$35.00
Franquette, 2 yr, 1½ to 2 ft		.50	5.00	35.00
CHESTNUTS.				
American Sweet, 2 yr, 2-3 ft		.40	4.00	
Spanish (Italian) 2 yr, 2-3 ft		.40	4.00	
Spanish (Italian) 3 yr, 3-4 ft		.45	4.50	
FILBERTS.				
Kentish Cob50	5.00	

GRAPES.

2 year	\$.15	\$1.50	\$8.00	\$ 75.00
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American Varieties.

Concord	Niagara
Delaware	Worden
Isabella	

European Varieties.

Black Hamburg	Mission, or California
Black Prince	Royal Muscadine
White Sweetwater	Muscat of Alexander

CHOICE SORTS.

2 year	Each Dozen	100	1,000
Moore's Early	Flame Tokay		
Agawam			

BLACKBERRIES.

	Each Dozen	100	1,000
Wilson	\$ 1.00	\$ 6.00	\$ 50.00
Lawton	1.00	6.00	50.00
Mersereau	1.25	7.00	65.00
Erie .....	.15 1.50		
Evergreen .....	.15 1.50		
Mammoth .....	.25 2.50		

RASPBERRIES.

Gregg	\$1.00	\$ 5.00	\$ 45.00
Loudon	1.25	6.00	55.00
Cumberland	1.25	7.00	65.00
Golden Queen	1.25	7.00	
Brilliant	2.00	10.00	

BLACKBERRY-RASPBERRY HYBRIDS.

Logan Berry	\$.25	\$2.50	\$15.00
Phenomenal .....	.25	2.50	15.00

DEWBERRY.

Lucretia	\$1.25	\$ 7.00	\$ 65.00
Premo	1.50	8.00	75.00

GOOSEBERRIES.

Oregon Champion .....	.15	\$1.75	\$10.00
Houghton .....	.15	1.75	10.00
Downing .....	.20	2.00	15.00
Red Jacket .....	.25	2.50	20.00

CURRANTS.

Cherry	\$1.50	\$ 9.00	
White Grape	1.50	9.00	
Fay's Prolific	1.50	9.00	
Lee's Prolific	1.50	9.00	
Perfection .....	.35	3.50	25.00

STRAWBERRIES.

Hood River	\$1.00	\$ 8.50	
Magoon	1.00	8.50	
Oregon	1.75	12.00	

MISCELLANEOUS.

Rhubarb, Mammoth .....	.10	\$1.00	\$ 7.50
Horseradish .....	.10	1.00	7.50
Asparagus, Conovers Colossal	50	1.50	12.50

ORNAMENTAL DEPARTMENT

All our Ornamental trees, flowering shrubs, etc., are once or more times transplanted and should not be compared with stock taken from the seedling row. We send out nothing but first-class, well-rooted straight trees.

Box Elder, 5 to 6 feet	\$.25	\$2.50	\$17.00
Box Elder, 7 to 8 feet .....	.35	3.50	25.00
Box Elder, 9 to 10 feet ....	.40	4.00	30.00
Birch, European, 6 to 7 feet	.35	3.50	
Birch, European, 7 to 8 feet	.40	4.00	
Catalpa, 5 to 6 feet .....	.25	2.50	
Catalpa, 7 to 8 feet .....	.40	4.00	
Crab, Bechtel's pink flower- ing, 3 to 4 feet .....	.50	5.00	
Elm, English, 5 to 6 feet...	.30	3.00	25.00
Elm, English, 7 to 8 feet...	.40	4.00	35.00
Elm, English, 1¼ to 1½ inch calibre .....	.60	6.00	45.00
Elm, American, 5 to 6 feet..	.30	3.00	25.00
Elm, American, 7 to 8 feet.	.40	4.00	35.00
Elm, American, 9 to 10 feet	.50	5.00	40.00
Horsechestnut, white, 3-4 ft	.40	4.00	
Horsechestnut, red, 3-4 feet	.50	5.00	
Horsechestnut, red, 4-5 feet	.65	6.50	

Black Locust, 1 yr, 12-18 in		2.00	15.00
Black Locust, 1 yr, 18-24 in		3.00	20.00
Locust, black, 5 to 6 feet...	.25	2.50	18.00
Locust, black, 7 to 8 feet...	.35	3.50	25.00
Locust, black, 9 to 10 feet...	.45	4.50	35.00
Locust, black, 1½ to 1½ inch calibre	.65	7.00	50.00
Locust, black, 1½ to 2-in. cal	.85	9.00	
Locust, honey, 5 to 6 feet..	.30	3.00	
Locust, honey, 7 to 8 feet...	.40	4.00	
Linden, 5 to 6 feet	.40	4.00	
Linden, 7 to 8 feet	.50	5.00	
Linden, 8 to 9 feet	.60	6.00	
Laburnum, (Golden Chain), 5 to 6 feet	.40	4.00	
Mt. Ash, European, 6 to 7 ft	.40	4.00	
Mt. Ash, European, 8 to 9 ft	.60	6.00	
Mt. Ash, European, 9 to 10 ft	.75	8.00	
Mt. Ash, Oakleaf, 6 to 7 feet	.50	5.50	
Mt. Ash, Oakleaf, 8 to 9 feet	.60	7.00	
Maple, Soft or Silver, 5-6 ft	.30	3.00	22.00
Maple, Soft or Silver, 7-8 ft	.40	4.00	30.00
Maple, Soft or Silver, 9-10 ft	.60	6.00	42.00
Maple, Soft or Silver, 1¼ to 1½ inch calibre	.75	8.00	
Maple, Sycamore, 7 to 8 feet	.40	4.00	30.00
Maple, Sycamore, 9 to 10 ft	.60	6.00	42.00
Maple, Norway, 5 to 6 feet.	.40	4.00	
Maple, Norway, 7 to 8 feet..	.50	5.00	
Maple, Norway, 8 to 9 feet..	.65	7.00	
Maple, Norway, 9 to 10 feet	.80	9.00	
Maple, Schwedleri, purple leaf, 5 to 6 feet	1.00	10.00	
Maple, Schwedleri, 6 to 8 feet	1.25	12.00	
Maple, variegated leaf, (Ar- genta) 4 to 5 feet	.75		
Maple, variegated leaf (Au- rea), 4 to 5 feet	.75		
Poplar, Carolina, 5 to 6 feet	.25	2.50	20.00
Poplar, Carolina, 7 to 8 feet	.35	3.50	25.00
Sycamore, 5 to 6 feet	.60	7.00	
Sycamore, 6 to 7 feet	.70	8.00	
Tulip Tree, (Liriodendron) 3 to 4 feet	.50		
Tulip Tree, (Liriodendron) 4 to 5 feet	.60		
Thorn, Paul's Scarlet Flow- ering, 5 to 6 feet	.40		

WEeping TREES. Each

Birch, Cutleaf, (white bark) 6 to 7 feet	.85		
7 to 8 feet	1.00		
9 to 10 feet	1.25		
Birch, purple leaf (white bark) 6 to 7 feet	1.00		
Elm, Camperdown, 7-ft head	1.75		
Willow, Wisconsin, 7 to 8 ft	.50		

EVERGREENS. Each

Arborvitae, American	.75		
Arborvitae, Hovey's Golden	1.00		
Arborvitae, Siberian	1.00		
Arborvitae, Globosa	1.00		
Arborvitae, Pyramidal	1.00		
Cypress, Lawsonia	1.00		
Juniper, Irish	1.00		
Juniper, Red Cedar	1.00		
Retinospora Filifera, 12-18 in	1.00		
Retinospora Plumosa 12-18 in	1.00		
Spruce, Norway	1.00		

All Evergreens, except where noted, are 18 to 30 inches high and handled in the best manner to insure growth.

EVERGREEN SHRUBS. Each

Box, 10 inches, balled	.50		
Rhododendron, 5 to 8 bloom bud, balled	2.50		

Each Dozen

Alaska Daisy	\$.25	\$ 2.50
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HEDGE PLANTS.

	Each Dozen	100	1,000
Arborvitae, American, 8 to 10 inches	\$1.50	\$10.00	
Berberry, purple, 15-18 inch	1.25	9.00	
Privet, California, 18 to 24 in	1.00	8.00	

FLOWERING SHRUBS.

	Each Dozen	
Azalia Mollis (with bloom buds) .....	.80	
Althea, Double Rose, 2 to 3 feet.....	.40	
Althea, double variegated, 2 to 3 feet .....	.40	
Althea, variegated foliage, 2 to 3 feet .....	.40	
Berberry, purple leaf, 2 to 3 feet .....	.35	
Calycanthus, 2 to 3 feet .....	.40	
Deutzia, Crenata, 2 to 3 feet .....	.35	
Deutzia, Candidissima, 2 to 3 feet .....	.35	
Fringe, purple, 3 to 4 feet .....	.40	
Forsythia, Viridissima, 2 to 3 feet .....	.40	
Forsythia, Fortunei, 2 to 3 feet .....	.40	
Hydrangea, P. G., 2 to 3 feet .....	.35	3.50
Honeysuckle, Red Tartarian .....	.35	
Honeysuckle, White Tartarian .....	.35	
Lilac, purple, 2 to 3 feet .....	.35	
Lilac, white, 2 to 3 feet .....	.35	
Lilac, Persian, 2 to 3 feet .....	.40	
Lilac, Alphonso Lavelle, 2 to 3 feet .....	.50	
Lilac, Belle de Nancy, 2 to 3 feet .....	.50	
Lilac, Ludwig Spaeth, 2 to 3 feet .....	.50	
Lilac, Madam Abel Chatenay, 2 to 3 feet...	.50	
Lilac, President Grevy, 2 to 3 feet .....	.50	
Quince, Japan Flowering, 2 feet .....	.35	
Spirea, Anthony Waterer, 18 to 24 inch.....	.35	
Spirea, Van Houtte, 3 to 4 feet .....	.35	
Spirea, Pruni Folia, 3 to 4 feet .....	.35	
Snowball, 3 to 4 feet .....	.40	4.00
Snowball, High Bush Cranberry, 3 to 4 feet ..	.40	
Weigelia, Candida, 2 to 3 feet .....	.35	
Weigelia, Floribunda, 2 to 3 feet .....	.35	
Weigelia, variegated leaf, 2 to 3 feet .....	.40	
Yucca Filamentosa .....	.40	

ROSES.

	Each Dozen	
2 year old	\$.40	\$ 4.00

Hybrid Perpetual Roses.

American Beauty	Madam Plantier
Anna de Diesbach	Marshall P. Wilder
Clio	Mrs. John Laing
Dinsmore	Madam Chas. Wood
Fisher Holmes	Paul Neyron
Frau Karl Druschki	Prince Camille de Rohan
General Jacqueminot	Ulrich Brunner
Margaret Dixon	Vicks Caprice
Magna Charta	

Tea and Everblooming Roses.

Champion of the World	Marie Van Houtte
Countess of Gosford	Madam Caroline Testout
Etoile de Lyon	Perle des Jardens
Etoile de France	Perle Von Godesburg
Gruss an Teplitz	Papa Gontier
Gen. Robt. E. Lee	Princess Bonnie
Helen Gould	Rainbow
Isabella Sprunt	Red LaFrance
Kaiserin Augusta Victoria	Sunset
Killarney, pink	Safrano
Killarney, white	Souvenir de Wooten
La France	The Bride
Meteor	Viscountess Folkstone
Maman Cochet	White LaFrance
Madam Abel Chatenay	White Maman Cochet
	Yellow Maman Cochet

Climbing Roses.

Baltimore Belle	Marechal Neil
Blue Rambler	Queen of Prairie
Climbing Kaiserin Augusta	Seven Sisters
Victoria	White Rambler
Crimson Rambler	Yellow Rambler
Dorothy Perkins	Moss Roses
Empress of China	Countess de Murainaise
	Princess Adelaide

VINES AND CREEPERS.

	Each Dozen
Ampelopsis, Virginia Creeper	\$.35
Clematis, Paniculata .....	.50
Clematis, Jackmanii, purple .....	.75

Clematis, Henryi, white .....	.75	
Clematis, Madam Edward Andree, red .....	.75	
Honeysuckle, red Coral .....	.40	4.00
Honeysuckle, Halleana .....	.40	4.00
Trumpet Flower .....	.50	
Wisteria, white, and purple .....	.50	

PEONIES.

Each Dozen
\$.40 \$4.00

Varieties.

Duke of Wellington	Paganini
Festiva Alba	Queen Victoria
Duches D'Orleans	Rosea
Humei	Rubra Triumphans
Madam Breon	L'Esperence
Officinalis Rubra	Dorchester

HINTS ON PLANTING, ETC.

WHAT TO PLANT—Select thrifty young trees in preference to old or very large ones; the roots are more tender and fibrous and bear transplanting better and are far more apt to live. They can also be more easily trimmed and shaped to any desired form, and in the course of a few years will usually outstrip the older ones in growth. The largest and most successful planters almost invariably select one-year-old trees.

TREATMENT—When the trees are received from the nursery, bury the roots in well pulverized soil until you are ready to plant them. Never expose the roots to sun or wind. If trees are received in a frozen state, place the package unopened in a cellar, away from frost and heat, until thawed out, then unpack. If partly dried from long exposure, bury entirely in the ground, or place in water from 12 to 24 hours.

PLANTING—Make the holes large enough to admit the roots without cramping or bending, and deep enough to bring the tree to its natural depth. The fine surface soil should be used in covering the roots, and this should be carefully worked among them. If the ground is dry it is well to pour in some water when the hole is partially filled. See that the ground is firmly and solidly packed over all parts of the roots, so there will be no opportunity for dry air or frost to enter and destroy roots deprived of the full benefit of their natural protection. Omission to pack the earth solidly is a more frequent cause of failure in planting nursery stock than any other. Fill the holes full enough to be even with the surrounding surface after the fresh earth settles. Large standard trees should be staked and tied so that the wind will not loosen the roots. Be sure to cut the tops back fully one-third soon after planting; more is better.

AFTER CULTURE—Cultivate vegetables among your trees, never grain or grass. In order to make your trees have a good healthy growth you must cultivate them the same as you would corn or potatoes; in fact you cannot cultivate them too much the first three years.

PRUNING—Pruning should be varied according to the condition of the tree and the purpose of the planter. It should be done regularly every Spring before the buds swell. By doing this the removal of large branches will be avoided.

NUMBER OF TREES OR PLANTS ON AN ACRE AT GIVEN DISTANCES APART.

Distance	1 ft apart each way, No. Plants	Square Equilateral Method	
		Method	Method
		43,560	50,300
"	2 "	10,890	12,575
"	3 "	4,840	5,899
"	4 "	2,722	3,143
"	5 "	1,742	2,011
"	6 "	1,210	1,397
"	7 "	888	1,035
"	8 "	680	785
"	9 "	537	620
"	10 "	435	502
"	12 "	302	348

"	14	"	"	"	222	256
"	15	"	"	"	193	222
"	16	"	"	"	170	191
"	18	"	"	"	134	154
"	20	"	"	"	109	125
"	25	"	"	"	69	79
"	30	"	"	"	48	55
"	35	"	"	"	35	40
"	40	"	"	"	27	31

Rule, Square Method—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants or trees to the acre.

Rule, Equilateral Triangle Method—Divide the number required to the acre, "square method," by the decimal .866. The result will be the number of plants required to the acre by this method.

DISTANCES FOR PLANTING.

Standard Apple	.....25 to 30	feet apart each way
Standard Pears	.....20 to 25	feet apart each way
Strong Growing Cherries	..20 to 25	feet apart each way
Duke and Morello Cherries	.16 to 18	feet apart each way
Standard Plum and Prunes	.16 to 18	feet apart each way
Apricot, Peach, Nectarine	..16 to 18	feet apart each way
Grapes	.....7 to 10	feet apart each way
Currants and Gooseberries	.....4 to 6	
Raspberries and Blackberries	.....3 to 4 by 5 to 7	
Strawberries for field culture	.....1 to 1½	by 4 to 4
Strawberries for garden culture	.....1 to 2	feet apart

DIRECTIONS HOW TO SPRAY.

FALL SPRAY.

Just after leaves fall.—Use sulphur-lime 3 degrees Baume for apple canker, scale insects, eggs of green aphid, red spider, pear leaf blister mite, woolly aphid eggs, tent caterpillar, moss and lichens.

WINTER SPRAY.

While Buds are dormant.—Use sulphur-lime 3 degrees Baume for bud moth, twig borer, peach leaf curl, scale insects, eggs green aphid, red spider, pear leaf blister mite, woolly aphid, mildew.

SPRING SPRAY.

(1) When flower buds are just ready to open.

Use sulphur-lime for apple scab, canker, brown rot, fruit mold.

(2) While last blossoms are falling.

Use lead arsenate, 1 lb to 50 gallons of water for codling moth. Apply with a bordeaux nozzle, with force, directly into flower. Repeat immediately. Keep a few trees banded. If many worms are trapped, spray.

SUMMER SPRAY.

When Pest appears.—Use tobacco or kerosene emulsion for aphid, woolly aphid on branches, red spider, oyster shell bark louse.

Use lead arsenate for pear and cherry leaf slug, 1 lb to 75 gallons of water, or dust with lime or road dust. For caterpillars use 1 lb to 40 gallons of water. Use sulphur lime 1.5 degrees Baume for fruit spot, mildew or red spider.

HOW TO SPRAY.

Spray thoroughly, reaching every part of the tree. Cover all the surface and buds and fill the cracks. Do not fail to apply with high pressure, use bordeaux nozzles on a rod with a crook to set nozzles at angle of 45 degrees.

Sulphur-Lime.

For use, any concentrated sulphur-lime may be diluted according to the following table:

Sulphur	.....1	pound
Fresh stone lime	.....½	pound
Water	.....½	gallon

Slake the lime in the cooker. Add the sulphur and the water Boil briskly till the sulphur is dissolved (about 45

minutes), stirring continuously and keeping the cooker covered. As it boils down keep adding water. When finished let settle. Use only the clear liquid, which may be stored if kept from the air. Prepared in this way sulphur-lime should have a hydrometer reading of about 26 degrees, a little weaker than the factory-made product.

HYDROMETER TEST OF CONCENTRATE		TO MAKE DILUTE SPRAY	
Beaume Degrees	Specific Gravity	Beaume, 3° Sp. gr. 1.02 1 lb. Sulphur in 5 gal.	Beaume, 1.5° Sp. gr. 1.01. 1 lb. Sulphur in 10 gals.
34	1.302	1 to 14 water	1 to 28
32	1.279	13	26
30	1.259	12	24
28	1.236	11	22
26	1.215	10	20
24	1.196	9	18
20	1.158	7	14
16	1.122	6	11

Arsenate of Lead.

Arsenate of lead (poison)1 pound
Water50 gallons

For newly hatched insects it is not necessary to use it stronger. Mix well first with a small amount of water. Powdered arsenate of lead is about twice as strong as the paste. Do not use arsenate that settles quickly.

Bordeaux.

Bluestone6 pounds
Good lime4 pounds
Water50 gallons

Dissolve the bluestone by suspending it in a sack in 25 gallons of water in a barrel. Slake the lime in another vessel, adding a little water slowly, and dilute to 25 gallons. Mix the two thoroughly. Even the best bordeaux may scorch in rainy weather.

For double strength bordeaux use twice as much bluestone and lime.

Kerosene Emulsion.

Kerosene2 gallons
Whale-oil soap½ pound
Water1 gallon

Dissolve the soap in the water by boiling, and add the suds boiling hot to the kerosene, away from the fire. The mixture is then to be agitated violently, preferably by pumping it back on itself with a force pump. After four or five minutes the mixture suddenly becomes creamy in consistency. If well made, the cream will stand for a long time without free oil rising to the surface. Unless otherwise stated, use 1 gallon of the emulsion to 12 gallons of water in spraying. One quart soft soap or 1 pound laundry soap may be used instead of the whale-oil soap.

Tobacco Wash.

Tobacco (sheep dip or sulphured tobacco) 4 lbs, whale-oil soap or good strong soap, 4 lbs, water 20 gallons.

Directions for preparing.—Soak tobacco in hot water for several hours. Dissolve soap in hot water; strain both and add together and dilute to 20 gallons. Test strength before using on tender foliage.

Send to State Agricultural Colleges for Spray Bulletins and Fruit Bulletins.

All communications relative to nursery stock and prices will be attended to promptly, and any information or advice that we are able to impart, when desired, will be given freely. No business transacted on Saturday. Address,

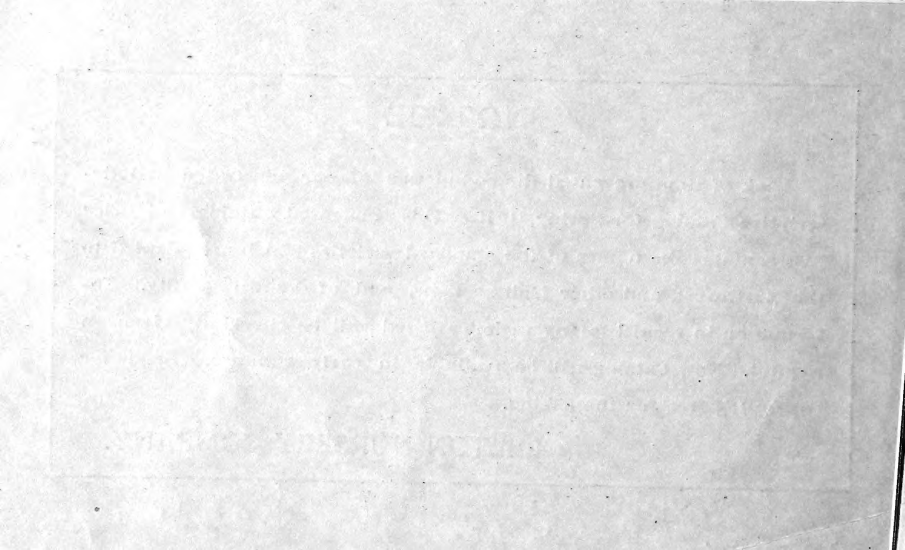
MILTON NURSERY COMPANY,
Milton, Oregon.

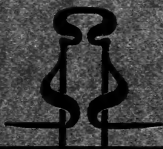
NOTICE

Lack of time prevented the completion of our illustrated and descriptive Catalog for Spring, 1912. This condensed Catalog and Price List contains the names of the standard varieties which are adapted to the Northwest, and other fruit sections, and of known quality. Information in regard to any varieties listed will be cheerfully given on request. New Catalog will be available in early summer. Send for copy. It's free for the asking.

MILTON NURSERY COMPANY.

Send stamp for later Catalog





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