



Budding.

CLONAL FRUIT TREE ROOTSTOCK

Grade	Age	Size	No. Per Bundle	Unit Prices		
				100+	500+	5M+

APPLE - Malling Rootstock

Malus-Bud 9

(Budagovsky 9 Apple Rootstock) Zone 4. Produces a dwarf tree about 25% of standard size. Cold hardy, collar or rot resistant, vigorous, heavy crops of large fruit.

Rootstock	1-0	3/16"	100	Unit Prices		
				1.37	1.00	.91
		1/4"	50	1.70	1.24	1.13

Malus-EMLA 7

(EMLA 7 Apple Rootstock) Zone 5. Best choice for hardiness. Lower incidence of latent virus than is present in EM 7a. Less tendency to sucker than EM 7 or EM 7a.

Rootstock	1-0	1/8"	100	Unit Prices		
		.98		.72	.65	
		3/16"		100	1.20	.88
		1/4"	50	1.40	1.02	.93

Malus-EMLA 9

(EMLA 9 Apple Rootstock) Zone 5. Early cropping on trees 40% of standard size. Collar rot resistant, requires staking. Best on heavier soils.

Rootstock	1-0	1/8"	100	Unit Prices		
		1.02		.75	.68	
		3/16"		100	1.37	1.00
		1/4"	50	1.70	1.24	1.13

Malus-EMLA 26

(EMLA 26 Apple Rootstock) Zone 5. Produces a tree the same size as M 26. Lower incidence of latent virus than is present in M 26.

Rootstock	1-0	1/8"	100	Unit Prices		
		1.02		.75	.68	
		3/16"		100	1.37	1.00
		1/4"	50	1.70	1.24	1.13

Grade	Age	Size	No. Per Bundle	Unit Prices		
				100+	500+	5M+

Malus-EMLA 106

(EMLA 106 Apple Rootstock) Zone 5. Produces a tree the same size as MM 106. Avoid poorly drained soils. Free of suckers, Woolly Aphid resistant. Heavy cropper.

Rootstock	1-0	1/8"	100	Unit Prices		
		.98		.72	.65	
		3/16"		100	1.20	.88
		1/4"	50	1.40	1.02	.93

Malus-EMLA 111

(EMLA 111 Apple) Zone 5. Produces vigorous, well-anchored trees 75% of standard size performing particularly well on dry, light soils; will also adapt to heavier soils. Resistant to Woolly Aphids and Collar Rot. Good choice for spur type varieties.

Rootstock	1-0	1/8"	100	Unit Prices		
		.98		.72	.65	
		3/16"		100	1.20	.88
		1/4"	50	1.40	1.02	.93

Malus-M9 Nakbt.337

(M9 Nakb T.337 Dutch Apple Rootstock) Produces a dwarf tree about 25% of standard size. Known for heavy, early cropping of large fruit. Collar rot resistant. Preferred M 9 selection. Superior rooting.

Rootstock	1-0	1/8"	100	Unit Prices		
		1.05		.77	.70	
		3/16"	100	1.40	1.02	.93

Malus-Pajam 2

(Pajam 2 Apple Rootstock) Produces a dwarf tree about 35% of standard size. Superior rooting compared to EMLA 9.

Rootstock	1-0	1/8"	100	Unit Prices		
		1.08		.79	.72	
		3/16"		100	1.43	1.05
		1/4"	50	1.76	1.29	1.17

QUINCE

Cydonia Provence Quince

(Provence Quince) Zone 5. Used to produce dwarf pear trees that are heavy bearing but not as hardy as pears on seedling rootstock. Characterized by vigor, resistance to drought and disease and tolerance to alkaline soils.

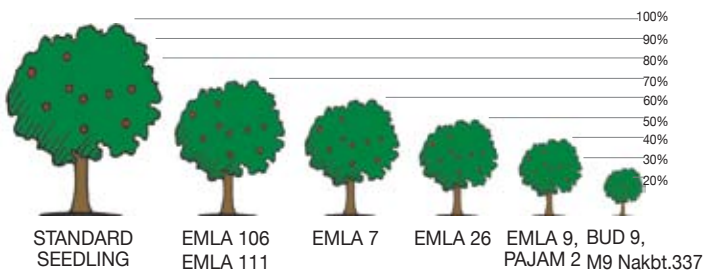
Rootstock	1-0	1/8"	100	Unit Prices		
		.99		.73	.66	
		3/16"	100	1.22	.89	.81

Cydonia Quince A

(Malling Quince A) Zone 5. Widely used to dwarf pears. The true Angers Quince. Tolerates wet soils better than Provence Quince.

Rootstock	1-0	1/8"	100	Unit Prices		
		.99		.73	.66	
		3/16"		100	1.22	.89
		1/4"	50	1.40	1.02	.93

Tree size using clonal apple rootstock compared to standard seedling rootstock.



FRUIT TREES

Varieties and sizes of Fruit Trees may be mixed in multiples of full bundles to reach the lowest quantity price. Trees are sized by caliper, but generally range from 4-6' in height (height not guaranteed). Available rootstocks shown in parenthesis.

Apple - semi-dwarf

Size by Caliper	No. Per Bdl	Unit Prices		
		Bdl+	50+	100+

7/16"	5	10.03	9.23	8.83
1/2"	5	11.40	10.49	10.03
5/8"	5	12.32	11.33	10.84
*3/4"	5	13.08	12.03	11.51

*Additional packing and freight charges will apply to larger sizes.

Braeburn - CVI (EMLA 7, M 26)

Zone 5. Medium to large firm fruit, orange-red blush over yellow-green, tangy, crisp, very juicy, sweet flavor. Excellent fresh eating/cooking. Good keeper. Ripens October to November.

Cameo® (M 26)

Zone 5. Choice for excellence in fresh eating with crisp texture and sweet juicy flavor. Fruit is bright red striped over creamy-orange. This newer selection is rapidly becoming a favorite, and is now among the top ten most grown apples in Washington and other parts of the U.S.

Fuji - CVI (EMLA 7, MM 111)

Zone 6. Yellow-green fruit covered with orangish red flush, darker stripes. Crisp texture, juicy, slightly subacid flavor. Ripens September to late October.

Gala (EMLA 7)

Zone 5. An apple with great fruit qualities and superior red color. Fruit colors early with dark red striping over solid red undercolor. Good pollinator with mid-season bloom.

Golden Delicious - CVI (EMLA 7)

Zone 4. Best all purpose apple. Spur type is early bearing.

Granny Smith - CVI (EMLA 26)

Zone 5. Winter apple, late keeping. Shiny green tart, crisp fruit.

Idared - CVI (MM 111)

Zone 4. Large, highly colored red apple. Good keeper and heavy annual bearer. For desserts and sauce.

Jonathan - CVI (MM 111)

Zone 5. Firm, juicy, full flavored fruit, high quality fresh or cooking. Red striped over bright yellow. Keeps well. Ripens mid-season. Needs a pollinator other than Golden Delicious.

Lodi - CVI (MM 111)

Zone 3. Excellent tart flavor, cooking or fresh eating. Large, crisp, juicy green fruit. Summer apple ripening during July. Apple scab resistant. Needs a pollinator.

Mutsu - CVI (EMLA 7)

Zone 5. Large, vigorous tree produces large, greenish yellow fruit with a red blush. Great for cooking and eating.

Northwest Greening (EMLA 7)

Zone 3. Heirloom variety producing large, pale green fruit that turn yellow when mature. Fruit keeps well, good for cooking and sauces.

Red Delicious - CVI (EMLA 7, M 26)

Zone 4. Most popular of all red apples. Vigorous tree, heavy fruit production on spurs. Best in full sun location. Ripens late September into October. Fireblight and rust resistant. Distinctive flavor.

Apricot

Size by Caliper	No. Per Bdl	Unit Prices		
		Bdl+	50+	100+

7/16"	5	9.80	9.02	8.62
1/2"	5	11.17	10.28	9.83
5/8"	5	12.28	11.30	10.81
*3/4"	5	12.84	11.81	11.30

*Additional packing and freight charges will apply to larger sizes.

Moorpark - CVI (Halford)

Zone 4. Very large, sweet, juicy deep orange flesh. Smooth golden-yellow skin with orange-red blush. Excellent for fresh eating, canning or drying. Long ripening period, early July to late August. Self-fertile.

Perfection (Halford)

Zone 4. One of the finest commercial apricots, Perfection bears moderately early and produces large fruit. Flesh and skin are a bright orange-yellow. Fruit has a firm texture.

Rival (Halford)

Zone 5. Large, fine textured, deep orange fruit with mild to slightly tart flavor. Developed by Washington State University. Heavy crop production and self-fertile.



Prunus 'Rival'

Cherry

Size by Caliper	No. Per Bdl	Unit Prices		
		Bdl+	50+	100+

1/2"	5	11.17	10.28	9.83
5/8"	5	12.28	11.30	10.81
*3/4"	5	12.84	11.81	11.30

*Additional packing and freight charges will apply to larger sizes.

Bing - CVI (Avium)

Zone 5. Old fashioned favorite. Excellent flavor, large dark red heart-shaped fruit. Ripens mid-June to July. Best pollinated with Stella, Rainier, Montmorency.



Prunus 'Bing'

Lambert - CVI (Avium)

Zone 5. Strong upright tree bears heavy crops of dark red heart-shaped fruit. Resistant to late spring frost. Resistant to late spring frost. Ripens late June to mid-July. Pollinator needed.

Rainier - CVI (Avium)

Zone 5. Heavy and early bearing, sweet yellow blushed red cherry. Vigorous, heat tolerant tree. Fruit keeps well after harvest. Ripens in July. Needs cross pollination with Bing, Lambert or Stella.

Nectarine

Size by Caliper	No. Per Bdl	Unit Prices		
		Bdl+	50+	100+
7/16"	5	9.80	9.02	8.62
1/2"	5	11.17	10.28	9.83
5/8"	5	12.28	11.30	10.81
*3/4"	5	12.84	11.81	11.30

*Additional packing and freight charges will apply to larger sizes.

Fantasia (Halford)

Zone 5. Large fruit, bright yellow skin with red blush. Yellow flesh with firm, smooth texture. Vigorous, productive and self-fruitful.

Red Gold (Halford)

Zone 5. A very large fruit with glossy red and gold skin. The flesh is yellow with red around the pit. The fruit has good shelf life. Self-fruitful.

Independence (Halford)

Zone 5. The attractive skin of this variety is gold, blushed with a brilliant cherry-red with yellow flesh. Firm fruit has good texture and flavor. Productive, vigorous and self-fruitful.

Peach

Size by Caliper	No. Per Bdl	Unit Prices		
		Bdl+	50+	100+
7/16"	5	9.80	9.02	8.62
1/2"	5	11.17	10.28	9.83
5/8"	5	12.28	11.30	10.81
*3/4"	5	12.84	11.81	11.30

*Additional packing and freight charges will apply to larger sizes.

Elberta (Halford)

Zone 5. Large, yellow blushed red fruit. Juicy, flavorful freestone flesh. Ripens from late July to mid-September (in cold climates). Good for fresh, canning, freezing and jam. Self-fertile and a good pollinator for other peaches.



Prunus 'Elberta'.

Early Elberta (Halford)

Zone 5. Large, yellow blushed red fruit. Juicy, flavorful freestone flesh. Ripens eight days earlier than Elberta. Good for fresh eating, canning, freezing and jam. Self-fertile and a good pollinator for other peaches.

Early Red Haven (Halford)

Zone 5. Favorite early variety. Medium, nearly fuzzless red fruit with firm yellow freestone flesh. Excellent fresh, canning and freezing quality. Abundant cropping requires thinning. Ripens two weeks earlier than Red Haven. Self-fertile.

Elegant Lady (Halford)

Zone 5. Yellow-fleshed freestone, excellent quality. The high colored peach produces a red blush over a yellow background. Fruit is sweet and juicy.

Red Haven (Halford)

Zone 5. Favorite early variety. Medium, nearly fuzzless red fruit with firm yellow freestone flesh. Excellent fresh, canning and freezing quality. Abundant cropping requires thinning. Ripens late June to early August. Self-fertile.

Pear

Size by Caliper	No. Per Bdl	Unit Prices		
		Bdl+	50+	100+
7/16"	5	9.90	9.11	8.71
1/2"	5	11.27	10.37	9.92
5/8"	5	12.54	11.54	11.04

Anjou - CVI (OHxF87)

Zone 5. (Beurre d'Anjou) Light green, fine textured fruit that stores and ships well. Vigorous, productive, hardy tree. Fireblight resistance. Pollinate with Bartlett. Ripens late September, flavor improves in storage.

Bartlett - CVI (OHxF87)

Zone 5. Best known pear. Sweet aromatic flavor. Excellent for fresh eating or canning. Early bearing, ripens early to mid-September. Best yield with a cross pollinator.

Kalle Red Clapp's - CVI (OHxF87)

Zone 5. Medium to large round fruit with a slender neck. Ripens 10 days ahead of Bartlett. Fruit is flavorful with amazing reddish purple color.

Plum/Prune

Size by Caliper	No. Per Bdl	Unit Prices		
		Bdl+	50+	100+
7/16"	5	9.80	9.02	8.62
1/2"	5	11.17	10.28	9.83
5/8"	5	12.28	11.81	11.30
*3/4"	5	12.84	11.81	11.30

*Additional packing and freight charges will apply to larger sizes.

Duarte (Halford)

Zone 5. Produces a large, heart-shaped, deep red fruit with a sweet blood-red flesh. Excellent for fresh eating or canning. Vigorous, hardy, ripens ahead of Italian and Stanley.

Early Italian (Halford)

Zone 4. The USDA recently approved calling prunes plums as a sales aid. Choose your preference when ordering this hardy and delicious (fresh, cooked or dried) large, purple skin greenish yellow fleshed fruit. Self-fertile, cross-pollination with another European variety brings heavier crops.

Italian (Halford)

Zone 4. Plum-prune tree produces large, dark purple fruit, good for both canning and drying. Self-fertile, but cross-pollination with another European Plum variety brings heavier crops.

President (Halford)

Zone 5. A heavy producer, popular for commercial plantings. Fruit is oblong with a dark blue skin and yellow flesh.

Satsuma (Halford)

Zone 5. Dark red skin covers the red flesh of this sweet plum tree which sets consistent crops of medium-sized fruit.

Stanley (Halford)

Zone 5. Prune/plum variety has long been a freestone favorite. Fruit is deep purple with yellow-green flesh, sweet flavor. Tree bears young and heavily. Fruit ripens around Labor Day, excellent for fresh eating, drying or canning.

Cross-pollination may be required for fruit production. Contact our sales staff if you have questions on proper selection. 800-551-9875


Grade	Age	Size	No. Per Bundle	Unit Prices		
				Bdl+	500+	5M+

SEEDLING FRUIT TREE ROOTSTOCK

Generally, our caliper graded stock is intended for rootstock purposes and during grading less consideration is given to the form of the top of the plant than when graded by height. Caliper measurements are made above the root collar.


Seedling rootstock virus testing:
We offer CVI (Certified Virus Indexed) seedling rootstocks which are grown from certified seed. Seedling apple and pear rootstocks are considered to be inherently free from seed transmitted viruses.

APPLE

Malus 'Antanovka' 
(Antanovka Apple) Zone 3. The most popular winter hardy rootstock for commercial plantings. Reported resistant to Collar Rot.

Rootstock	1-0	1/8"	100	.57	.42	.38
		3/16"	50	.69	.51	.46
		1/4"	50	.85	.63	.57
		3/8"	25	1.00	.74	.67
Str. Root Rootstock	1-0	3/16"	50	.93	.68	.62


APRICOT

Prunus armeniaca 'Mandshurica' 
(Manchurian Apricot) To 25', Zone 4-5. Seed from true-to-name Manchurian seed source which is better and more dependably hardy for rootstock than domestic seed sources.

Rootstock	1-0	3/16"	50	.94	.69	.63
		1/4"	50	1.12	.81	.74


See also height grade on page 21.

CHERRY

Prunus avium-CVI 
(Mazzard Cherry) To 40', Zone 3. Standard sweet cherry rootstock used sometimes for sour. Makes a long lived, large tree. More tolerant of heavy, wet soils than *Prunus mahaleb*, but not as hardy. Grown from certified seed.

Rootstock	1-0	1/8"	100	.90	.66	.60
		3/16"	50	1.07	.78	.71
		1/4"	50	1.25	.91	.83
Transplant	1-1	3/16"	50	1.60	1.18	1.07
		1/4"	50	1.88	1.37	1.25
		3/8"	25	2.10	1.54	1.40
		7/16"	10	2.47	1.81	1.64

See also height grade on page 21.

Prunus avium 
(Mazzard Cherry) To 40', Zone 3. Standard sweet cherry rootstock used sometimes for sour. Makes a long lived, large tree. More tolerant of heavy, wet soils than *Prunus mahaleb*, but not as hardy. Grown from non-certified seed.

Rootstock	1-0	1/8"	100	.72	.53	.48
		3/16"	50	.85	.63	.57

Prunus mahaleb
(Mahaleb Cherry) To 30', Zone 3-4. Used primarily as a rootstock for sour cherries. Fruit is small, pea-sized, very sour/bitter. Small white blooms in spring. Aromatic wood has been used for pipe stems.

Rootstock	1-0	1/8"	100	.53	.39	.35
-----------	-----	------	-----	-----	-----	-----

**For discounts on larger quantities
please call 800-551-9875.**


Grade	Age	Size	No. Per Bundle	Unit Prices		
				Bdl+	500+	5M+

PEAR

Pyrus communis bartlett
(Bartlett Pear) Zone 4. Well known for general compatibility and vigorous growth. Susceptible to Fireblight and Pear Decline. Useful for wildlife habitat and as seedling pollinators for European pear varieties.

Rootstock	1-0	1/8"	100	.52	.38	.35
		3/16"	50	.60	.44	.40
		1/4"	50	.70	.52	.47


See also height grade on page 23.

Pyrus ussuriensis 
(Harbin Pear) To 40', Zone 4. Ornamental, fruiting pear for cold climates. Attractive white flowers and brilliant fall colors. Hardest of all pears. Small, hard, 1 1/4" greenish yellow fruit, good wildlife value. Rounded tree form. Also used as a cold climate rootstock for Asian and flowering pears.

Rootstock	1-1	3/16"	50	1.16	.85	.77
		1/4"	50	1.39	1.02	.72


See also height grade on page 23.

PERSIMMON

Diospyros lotus 
(Date Plum) To 75', Zone 5. Used as a rootstock for Oriental Persimmons. Shipment prohibited to California.

Rootstock	2-0	1/8"	50	1.13	.82	
		3/16"	25	1.28	.93	
		1/4"	25	1.48	1.09	


See also height grade on page 12.

Diospyros virginiana 
(American Persimmon) To 60'+, Zone 5. Vigorous rootstock for American Persimmon selections. Best on fertile, deep, loamy, well-drained soils. Shipment prohibited to California.

Rootstock	2-0	3/16"	50	1.28	.93	.85
		1/4"	50	1.48	1.09	.98

See also height grade on page 12.

PLUM

Prunus americana 
(Native American Plum) To 50', Zone 3. Cold hardy rootstock for American or American x Japanese Plums. Not a suitable rootstock for European Plums. Grown from non-certified seed.

Rootstock	1-0	1/8"	100	.85	.63	.57
		3/16"	50	1.00	.74	.67
		1/4"	50	1.18	.86	.78

See also height grade on page 21.

Prunus cerasifera 'Myrobalan'-CVI
(Myrobalan Plum) Zone 4. Most popular rootstock for European Plums. It is compatible with a wide range of cultivars and is particularly adaptable to heavier soils. Grown from certified seed.

Rootstock	1-0	1/8"	100	.67	.49	.45
		3/16"	50	.78	.57	.52
		1/4"	50	.91	.67	.61
		3/8"	25	1.09	.79	.72

Prunus cerasifera 'Myrobalan'
(Myrobalan Plum) Zone 4. Most popular rootstock for European Plums. It is compatible with a wide range of cultivars and is particularly adaptable to heavier soils. Grown from non-certified seed.

Rootstock	1-0	1/8"	100	.54	.40	.36
		3/16"	50	.63	.46	.42
		1/4"	50	.73	.54	.49

Prunus insititia 'St. Julian'-CVI
(St. Julian Plum) Zone 4. Rootstocks from St. Julian "A". For peaches, apricots and plums offering improved compatibility, minimal suckering, resistance to chlorosis and crown gall. Adapted to wet soils. Grown from certified seed.

Rootstock	1-0	1/8"	100	1.15	.84	.76
		3/16"	50	1.22	.89	.81
		1/4"	50	1.30	.95	.86
		3/8"	25	1.37	1.00	.91