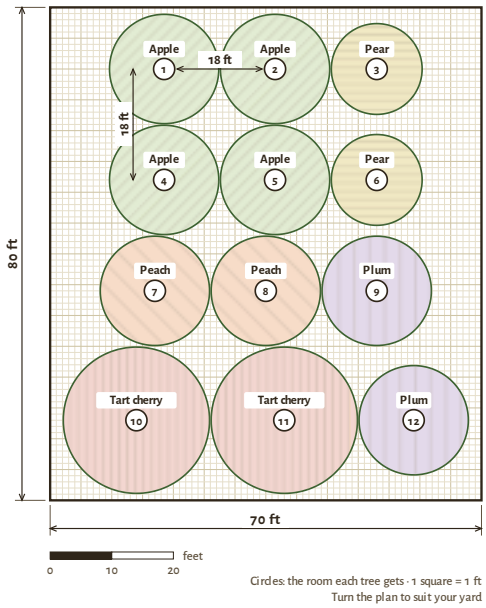
EVERYORCHARD · FREE PRINTABLE

Twelve-Tree Family Orchard Plan

70 × 80 feet · 12 trees · drawn to scale from university extension spacing



#	Tree	Role in the plan	Room given	Mature size in sources	Your variety
1	Semi-dwarf apple	Early apple	18 ft	12–25 ft tall, 10–25 ft across	
2	Semi-dwarf apple	Partner for tree 1	18 ft	12–25 ft tall, 10–25 ft across	
3	Semi-dwarf pear	Pear	15 ft	20 ft tall	
4	Semi-dwarf apple	Late apple †	18 ft	12–25 ft tall, 10–25 ft across	
5	Semi-dwarf apple	Partner for tree 4	18 ft	12–25 ft tall, 10–25 ft across	
6	Semi-dwarf pear	Pear, partner for tree 3	15 ft	20 ft tall	
7	Semi-dwarf peach	Early peach	18 ft	6–14 ft tall, 12–15 ft across	
8	Semi-dwarf peach	Late peach	18 ft	6–14 ft tall, 12–15 ft across	
9	Semi-dwarf plum	Plum	18 ft	14 ft tall	
10	Standard tart cherry	Tart cherry	24 ft	15–25 ft tall, 18–24 ft across	
11	Standard tart cherry	Second tart cherry	24 ft	15–25 ft tall, 18–24 ft across	
12	Semi-dwarf plum	Plum, partner for tree 9	18 ft	14 ft tall	

† Not in every zone: see page 2. Pollination: keep apple partners within 50 ft of each other; keep pear partners within 30 ft of each other; keep plum partners within 50 ft of each other. Turn the plan to suit your yard. Semi-dwarf apple: the sources name MM.111, M.7, MM.106 and M.7a for this class. Semi-dwarf pear: the sources name OH x F, OHxF 40, OHxF 333, OHxF 513 and OHxF 87 for this class. Semi-dwarf peach: the sources name Sharpe, MP-29 and Citation for this class.

Sources: University of Minnesota; Virginia Cooperative Extension; Oregon State University Extension Service and 24 more (full list at the web address on the left)

Twelve-Tree Family Orchard Plan

Spacing behind the drawing

Tree	Room given	Height	Spread	Spacing set by
Semi-dwarf apple	18 ft	12–25 ft	10–25 ft	University of Minnesota; Virginia; Iowa State University
Semi-dwarf pear	15 ft	20 ft	—	University of New Hampshire; Kansas State University; Virginia
Semi-dwarf peach	18 ft	6–14 ft	12–15 ft	University of Arizona
Semi-dwarf plum	18 ft	14 ft	—	University of Arizona; UConn Home & Garden Education Center
Standard tart cherry	24 ft	15–25 ft	18–24 ft	Kansas State University; Purdue University

Each tree's circle is as wide as the widest spacing university extension sources recommend for home gardens for its size class as a whole, and neighboring circles touch, so two trees stand half of each one's spacing apart. A bigger size class never gets less room than a smaller one of the same fruit. Figures for one rootstock, soil or training system are on the plan's web page.

Variety picks by zone

Zone	1	2	3	4	5	6	7	8	9	10	11	12
4	Yellow Transparent	Honeycrisp	Golden Spice	Sweet Sixteen †	Zestar	Ure	—	—	—	Evans Bali	—	—
5	Yellow Transparent	Honeycrisp	Harrow Delight	Red Delicious	Fuji	Golden Spice	Harvester	Reliance	Stanley	Early Richmond	Meteor	Italian Prune
6	Yellow Transparent	Empire	Harrow Delight	Red Delicious	Fuji	Summercrisp	Harvester	Reliance	Stanley	Early Richmond	Meteor	Italian Prune
7	Yellow Transparent	Acey Mac	Harrow Delight	Rome Beauty	Fuji	D'Anjou	Harvester	O'Henry	Stanley	Early Richmond	Balaton	Italian Prune
8	Yellow Transparent	Empire	20th Century	Rome Beauty	Fuji	Hosui	Harvester	O'Henry	Dapple Dandy	Early Richmond	Meteor	Flavor Grenade
9	—	—	Kieffer	—	—	20th Century	Donut	August Pride	Santa Rosa	—	—	Satsuma

Each pick is a good fit for the zone by the site's fit check, and every tree that needs a partner has one in the plan. A dash means no variety in the site's data suits that spot in that zone. The plan page gives the reason for each pick and two alternates.

† Tree 4 in zone 4: no late apple fits there, so the pick is the latest that does (role there: second apple).

Notes

Sources: University of Minnesota; Virginia Cooperative Extension; Oregon State University Extension Service and 24 more (full list at the web address on the left)