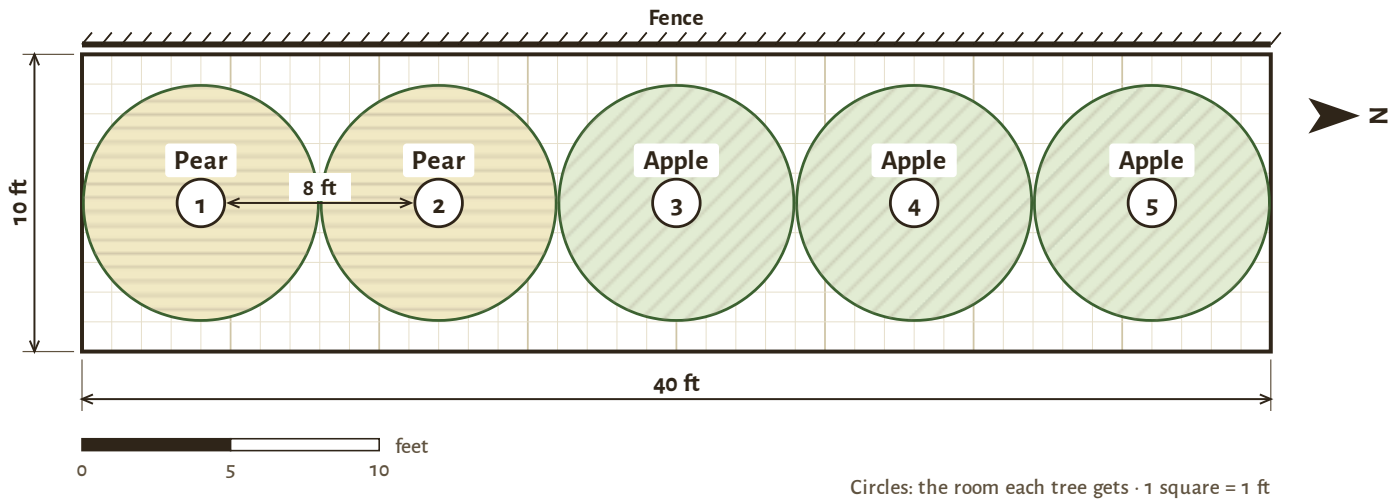
EVERYORCHARD · FREE PRINTABLE

Fence-Line Orchard Plan

40 × 10 feet · 5 trees · drawn to scale from university extension spacing



Circles: the room each tree gets · 1 square = 1 ft

#	Tree	Role in the plan	Room given	Mature size in sources	Your variety
1	Dwarf pear	Pear	8 ft on the trellis	12 ft tall, 12 ft across	
2	Dwarf pear	Pear, partner for tree 1	8 ft on the trellis	12 ft tall, 12 ft across	
3	Dwarf apple	Early apple	8 ft on the trellis	5–15 ft tall, 5–10 ft across	
4	Dwarf apple	Mid-season apple, partner for trees 3 and 5	8 ft on the trellis	5–15 ft tall, 5–10 ft across	
5	Dwarf apple	Late apple †	8 ft on the trellis	5–15 ft tall, 5–10 ft across	

† Not in every zone: see page 2. Pollination: keep pear partners within 30 ft of each other; keep apple partners within 20 ft of each other. Run the row north to south: Montana State's orchard guide says rows that way catch the most sunlight through the season. The 8-foot spacing is for dwarf trees tied to a post-and-wire trellis at least 6 feet tall, the system UMass gives 7 to 8 feet for; fully dwarf trees must be supported or they bend under their fruit. Dwarf pear: the sources name quince for this class. Dwarf apple: the sources name M.26, M.9 and B.9 for this class.

Sources: University of New Hampshire Extension; Colorado State University Extension; Kansas State University Research and Extension and 18 more (full list at the web address on the left)

Fence-Line Orchard Plan

Spacing behind the drawing

Tree	Room given	Free-standing figure, not used here	Height	Spread	Spacing set by
Dwarf pear	8 ft on the trellis	15 ft	12 ft	12 ft	UMass
Dwarf apple	8 ft on the trellis	12 ft	5–15 ft	5–10 ft	UMass

This plan uses the trellis spacing for every tree. Free-standing trees would need the wider figure shown, from the class-wide spacing university extension sources recommend for home gardens; heights and spreads are for free-standing trees.

Variety picks by zone

Zone	1	2	3	4	5
4	Golden Spice	Ure	Yellow Transparent	Honeycrisp	Sweet Sixteen †
5	Comice	Bartlett	Yellow Transparent	Honeycrisp	Red Delicious
6	Comice	Bartlett	Yellow Transparent	Empire	Red Delicious
7	Comice	Bartlett	Yellow Transparent	Acey Mac	Mutsu
8	Comice	20th Century	Yellow Transparent	Empire	Mutsu
9	Kieffer	20th Century	—	—	—

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

Notes

Sources: University of New Hampshire Extension; Colorado State University Extension; Kansas State University Research and Extension and 18 more (full list at the web address on the left)