

Orchard Pollination Planting Grid and West Windbreak

Prairie Plants — inventory of October 4, 2026; planting status updated October 18, 2026 — orchard plot 237 × 600 ft plus a 35 ft west windbreak — 13 positions per row — 18 ft in-row (E–W) × 20 ft rows (N–S), triangular offset

Sources: [Inventory_PrairiePlants.xlsx](#) (what was found at Prairie, saved October 4, 2026), matched to [Trees.xlsx](#), Fruit sheet (cultivar, rootstock, fertility, and flowering-group data, including the September 24 bloom research). Owner-reported losses, outside-orchard plans, and rootstock planting are recorded separately; only living trees assigned to the orchard are counted in the plan. Canonical JSON records now drive this page; the linked workbooks are retained as original source records. See the [property data guide](#).

R4-C9: Tandgy green Urban Columnar (tag AL-UrbGrn, inventory row 64) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Haralson (apple) in 2027, described in the planting plan.
R5-C9: Tasty Red Urban Columnar (tag AL-UrbR, inventory row 65) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Williams' Pride (apple) in 2027, described in the planting plan.
R5-C10: Blushing Delight Urban Columnar (tag AL-UrbGld, inventory row 63) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Priscilla (apple) in 2027, described in the planting plan.
R8-C1: Pineapple (tag PR-Pineap, inventory row 108) reported dead October 11, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Delight (pear) in 2027, described in the planting plan.
R9-C2: Royalton Sweet (tag CR-Royalton, inventory row 80) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Black Gold (cherry) in 2027, described in the planting plan.
R11-C10: JH Hale (tag PC-Hale, inventory row 88) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Intrepid (peach) in 2027, described in the planting plan.
R11-C12: Canadian Harmony (tag PC-Can Harm, inventory row 84) reported dead October 18, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Contender (peach) in 2027, described in the planting plan.
R12-C11: BlazingStar (tag PC-Blaz Star, inventory row 83) reported dead October 18, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Diamond (peach) in 2027, described in the planting plan.
M-111 apple rootstock planted at R6-C3. No scion cultivar is recorded; not counted as a fruit tree or pollen partner until grafting and cultivar identification are recorded.
All 106 living orchard fruit trees are planted (October 2026), per the owner's update of October 18, 2026.

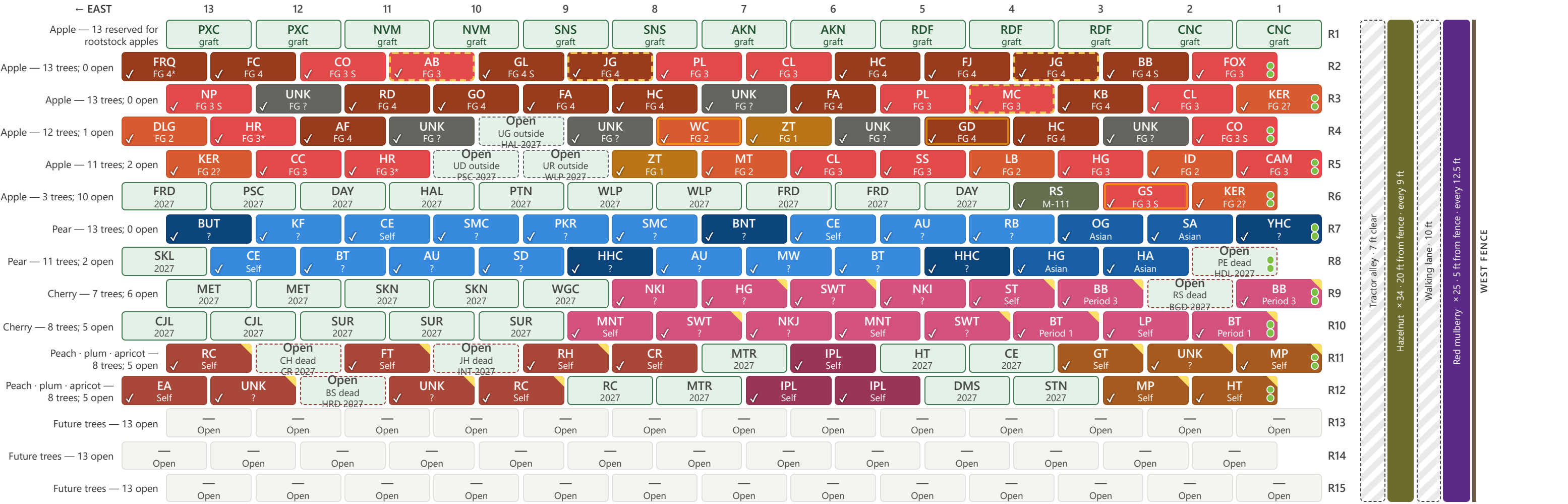
ORCHARD PLOT	WEST WINDBREAK	TRACTOR ALLEY	TREE SPACING	ROW SPACING	DIAGONAL NEIGHBOR	ORCHARD TREES	OPEN POSITIONS	ROWS	WINDBREAK · HEDGE · GUILDS
237 × 600 ft	35 ft, 2 rows	7 ft clear	18 ft in-row	20 ft N–S	21.9 ft	107	75	15 (S→N)	59 + 19 + 40

Width, west to east: the 35 ft windbreak strip (2 plant rows with a 10 ft walking lane between them, then the tractor alley), then the 237 ft orchard plot. C1 trunks stand 3 ft inside the orchard's west line, 38 ft from the fence. 13 staggered positions span 225 ft, leaving 9 ft to the east line beside the offset rows' C13 trees (18 ft beside the others); a 14th position would need 243 ft. East of the orchard: 28 ft of open ground for turning at the row ends, the 22 ft driveway, then 10 ft to the east fence (332 ft from the west fence), with the elderberry hedge 5 ft inside it. Depth: 15 rows span 280 ft between the outer row centers. With the windbreak ends, the planted block uses about 300 ft of the 600 ft depth, leaving about 300 ft for headlands and future rows. Distances are tree centers, before mature-canopy clearance; the 18 × 20 ft spacing is a planning assumption, not a mature-spacing recommendation for every rootstock.

Planting Map — South at Top, West Fence on the Right

South is up, the west fence and windbreak are on the right, and east is on the left: the view from the north end looking south. Rows start at the west alley (C1, on the right) and fill toward the east (left), so open spots are at the east ends, ready to fill in from the east later, except that in R11–R12 the apricots are right-justified, plums are placed at C6 in R11 and C5–C6 in R12, and peaches are left-justified, so the open spots there are between the blocks, and at R4–C9, R5–C9, R5–C10, R8–C1, R9–C2, R11–C10, R11–C12, R12–C11 after the owner's planting updates. Rows from south to north (top to bottom): apples in 5 rows (13 + 13 + 12 + 11 + 3) plus reserved R1 (13 spots); pears in 2 rows (13 + 11); cherries in 2 rows (7 + 8); apricots at the west end (3 + 2), plums at C6 in R11 and C5–C6 in R12 (1 + 2), and peaches at the east end (4 + 4) share R11–R12; R13–R15 are open for trees you buy or graft later. R1 is held for 13 grafted rootstock apples. The C1 trees in R2–R12 have berry guilds on their alley side (green dots); exact spots are on the site plan. The windbreak band is schematic; exact positions are in the windbreak table and site plan, which also shows the elderberry hedge along the east fence. Full names, tags, and notes are listed by position in the inventory.

▲ SOUTH — the closest juniper or red cedar is 200+ ft beyond this end



▼ NORTH

 Apple FG 1
  Apple FG 2
  Apple FG 3
  Apple FG 4
  Apple — relative bloom only; FG unverified
  Apple — unidentified or bloom unconfirmed
  Planted apple rootstock (RS) — no scion recorded
  Pear — European
  Pear — Asian
  Pear — Perry
  Cherry
  Apricot
  Peach
  Plum
  Dead tree: position open for a replacement
  Not planted here: tree planned outside; replacement in 2027
  Planned 2027: recommended cultivar for an open spot (a dashed border marks a spot held for a dead or relocated tree; "graft" marks a scion for one of your rootstocks)
  Windbreak: Red mulberry
  Windbreak: Hazelnut
  Berry guild on the alley side of the C1 tree

▲ Dashed border = **triploid**, excluded as a pollen donor and placed near two different diploid cultivars.
 ★ Gold glow = **good pollen donor in the workbook**, not a guarantee of compatibility with every nearby tree.

▼ Yellow corner = **Pseudomonas (bacterial canker) positive, untreated** in the inventory. When one tag covers several trees and only some tested positive, the inventory does not say which, so all of them are flagged.

✓ = planted. Every living orchard fruit tree is planted (October 2026), and so is the M-111 rootstock at R6-C3.

Green cells are the recommended 2027 plantings for every open spot in R1 to R12 (26 apples, 2 pears, 11 cherries, 4 peaches, 4 plums, 2 apricots), shown by cultivar code with the year; the 13 marked graft are scions for the rootstocks you own. The rootstocks, cautions, and buy list are in the [2027 planting plan](#). The planned trees are not counted as pollen partners for the trees on this page.

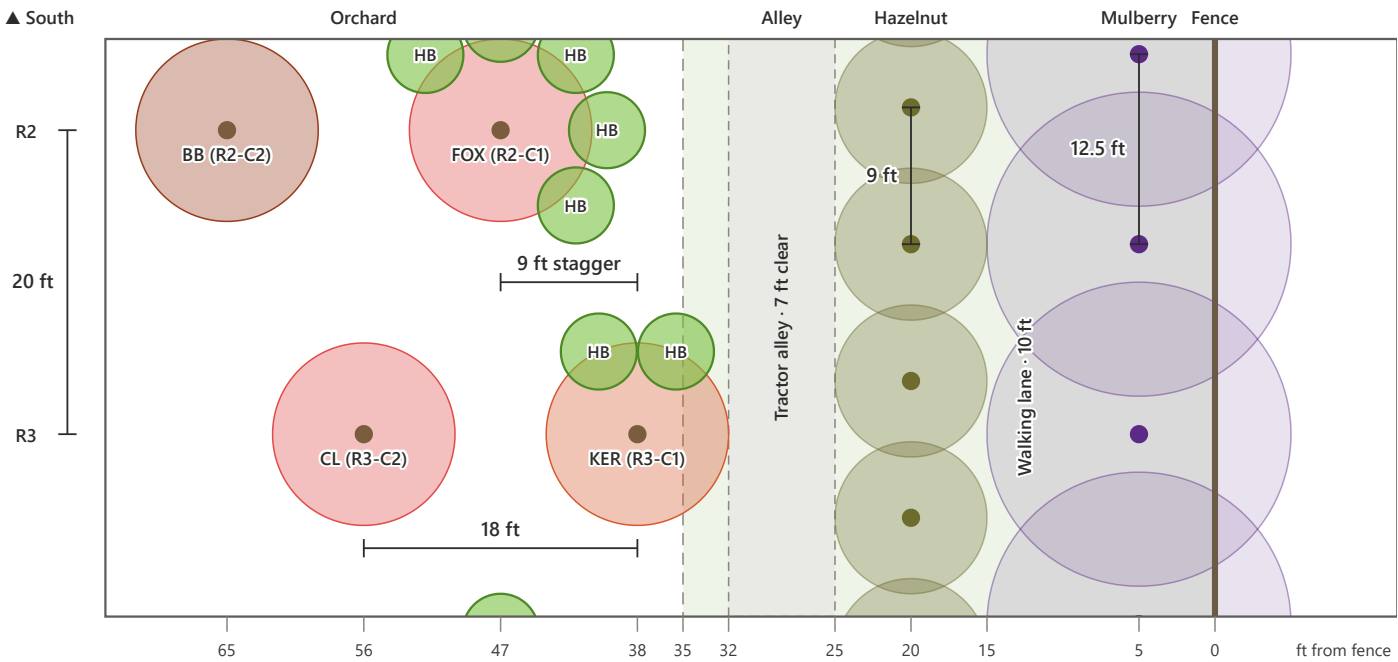
S = self-fertile according to the planning notes; **?** = information missing or needing confirmation; **UNK** / **SWT** = unidentified tree (not counted as a pollen donor until identified; see the possibility lists for the [apples](#) and for the [cherries, peaches, and apricot](#)). Hover over a tree for its cultivar profile, or click or tap it to jump to its row in the inventory table, which links to the [cultivar guide](#). Different trees of the same cultivar, including color sports, are not counted as different pollen partners.

Apple **FG** means flowering group, not harvest season. * after a group number means sources differ; the planning value follows Orange Pippin. **FG 2?** marks a provisional estimate. **Midseason; FG ?** records nursery bloom guidance without inventing a numbered group.

West Windbreak (35 ft Strip) and East Elderberry Hedge

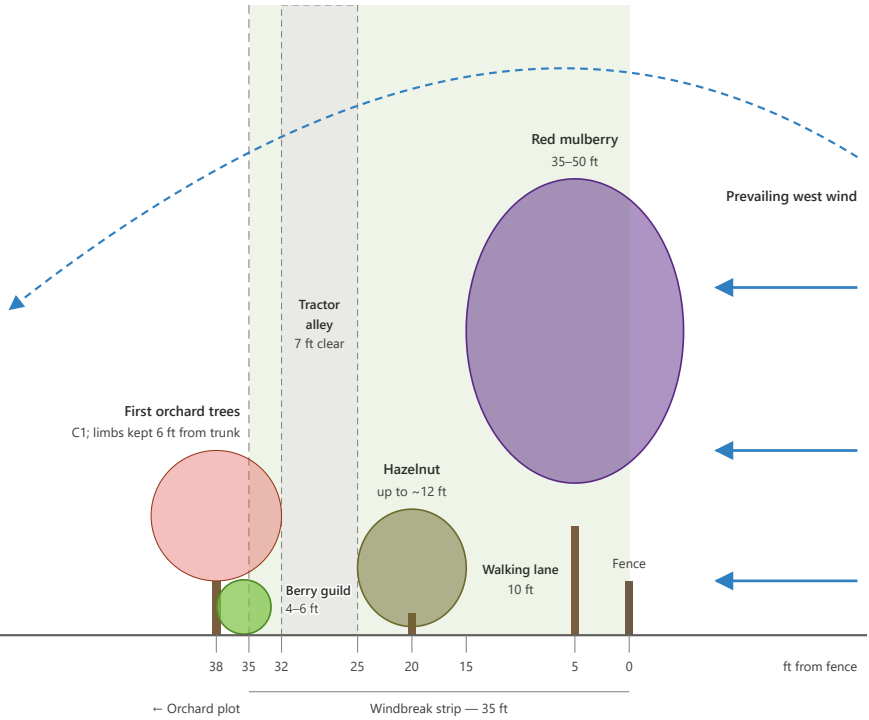
Two north–south rows step down from the west fence toward the orchard: red mulberry (tallest) along the fence and hybrid hazelnut 15 ft east of it, so the prevailing west wind is pushed up and over the fruit trees. A 10 ft walking lane under the mulberries leads to the hazelnuts for picking. The strip is added west of the 237 ft orchard plot; the orchard was not reduced. Both rows spread the plants you have along the orchard and reach at least 6 ft past R1 and R15. The 41 berry bushes came out of the strip to make room for the lane and now form guilds on the alley side of the C1 orchard trees in R2–R12. The elderberry hedge runs 5 ft inside the east fence beside the driveway at its proper spacing from the south end, with 19 positions marked for plants to add later. East–west positions are measured from the west fence and north–south positions from the R1 row line. General notes are beside the site plan.

Blow-up plan view, to scale: a 38 ft stretch of the windbreak beside the first apple rows (south up, west on the right)



Stretch shown: 14–52 ft north of the R1 line. Green circles: berry guild bushes around the C1 trees (HB honeyberry).

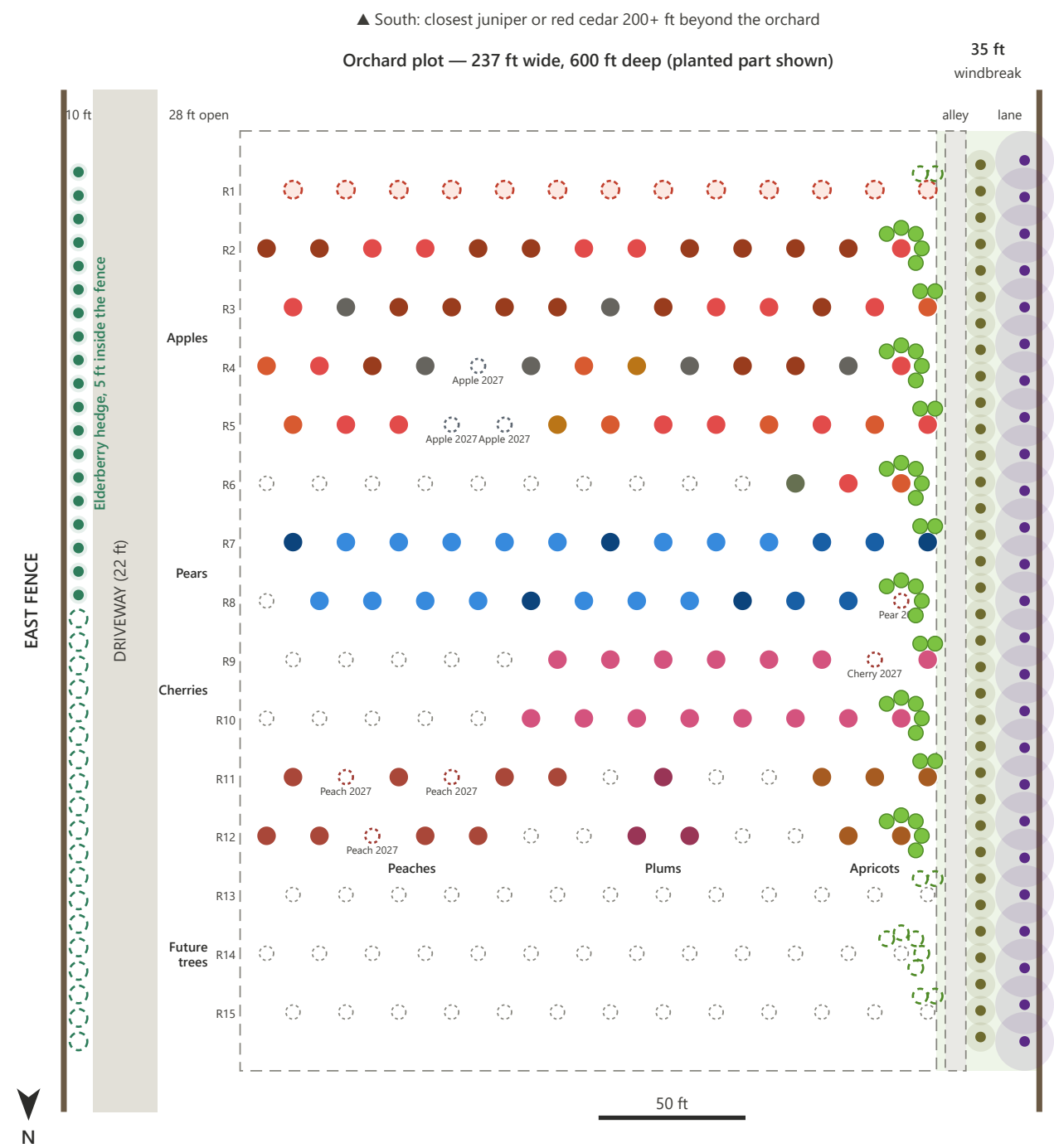
Profile, looking south: plant heights step down from the fence toward the orchard



Layer (west → east)	Plant	Count	From west fence	In-row spacing	First plant	Last plant	Mature size	Notes
1. Tall layer on the west fence	Red mulberry Morus rubra	25	5 ft	12.5 ft (12 ft 6 in)	10 ft south of the R1 line	10 ft north of the R15 line	35–50 ft tall; 35–40 ft wide naturally; keep about 20 ft	Main wind barrier. 12.5 ft is within the 6–15 ft in-row range UNL gives for deciduous windbreak trees. It is a tree, usually 15–70 ft tall (USDA Forest Service), but grown in the open it tends to have a short trunk with large, low, spreading limbs (Purdue) and it sprouts from the roots (USDA Forest Service), so left alone it can look like a wide, many-stemmed bush. Seedlings are usually male or female, so expect some fruitless trees (MOBOT). Red and white mulberry cross and are hard to tell apart (Purdue); white (Russian) mulberry, long planted in western windbreaks, is often a smaller, many-branched tree. Prune the east side back to about 10 ft from the trunk so it stays over the walking lane, not the hazelnuts. Ripe mulberries may also draw birds away from the cherries.
2. Shrub layer beside the alley	Hazelnut Corylus hybrids	34	20 ft	9 ft	8.5 ft south of the R1 line	8.5 ft north of the R15 line	Up to about 12 ft tall; nearly as wide as tall; keep about 10 ft	15 ft from the mulberries; USDA's hybrid hazelnut guide keeps taller tree rows at least 15 ft away so they do not shade out the hazels. Hybrids grow as multi-stemmed bushes, not trees, up to about 12 ft tall and nearly as wide, which can take ten years or more (UMHDI). 9 ft apart is within the 6–9 ft UMHDI gives for nut production; layer low stems into the gaps to close the row sooner. Pick by hand as soon as the nuts loosen in their husks (UMHDI); seedlings ripen over a month or more, late August into October (UMHDI harvest bulletin), so plan several passes. After about 12 years, cut a few bushes to the ground each winter to keep them small enough to pick (UMHDI).
East hedge beside the driveway	American elderberry Sambucus canadensis	19 planted + 19 to add	327 ft (5 ft inside the east fence)	8 ft	6 ft south of the R1 line	138 ft north of the R1 line (last planted); open positions to 10 ft north of the R15 line	6–12 ft tall; 6–8 ft or wider; keep about 6 ft	A separate, tighter hedge in full sun between the driveway and the east fence. WVU suggests at least 8–9 ft apart in the row for fruit production (plants with a 6–8 ft spread). Several Berry-sheet elderberries need another variety, so mix the named cultivars along the row. Fill the open positions with dormant hardwood cuttings, which WVU says root easily. Prune to about 6 ft wide so it stays 2 ft off the driveway, mow suckers, and keep plowed snow off young plants. At 6–12 ft tall it shelters roughly 30–60 ft to the west (about 5 times its height, UNL): the driveway, the headland, and at full height the orchard's east edge, 55 ft away.

Site Plan — To Scale, South Up

To scale, south up and west on the right, matching the planting map (the view from the north end looking south). East–west distances are from the west fence; north–south distances are from the R1 row line. Large dots are orchard trees in fruit-type colors; the olive dot at R6-C3 is the planted M-111 rootstock. Filled dashed red rings are positions reserved for grafted rootstock apples, and dashed gray circles are open positions. The unfilled dark-red rings at R8-C1, R9-C2, R11-C10, R11-C12, R12-C11 mark the open positions of the dead trees (1 pear, 1 cherry, and 3 peaches). Slate rings at R4-C9, R5-C9, R5-C10 mark the unplanted Urban apple spots. All 8 are labeled for 2027 replacements; the Urban apples' outside-orchard locations are pending. Small dots are windbreak plants (purple red mulberry, olive hazelnut) with their managed mature width shaded; the 10 ft walking lane runs between the two rows. Lime dots beside the C1 trees are the berry guilds, and dashed lime rings are guild positions waiting for the R1 and future-row trees. The green dots between the driveway and the east fence are the elderberry hedge, and its dashed rings mark positions for plants to add later. East of the orchard are 28 ft of open ground for turning at the row ends, the driveway, the hedge, and the east fence. The plot is 600 ft deep; only the planted 300 ft is drawn. The block can slide north or south, but keeping it toward the north end adds distance from the junipers. Hover over a dot for its position. Lot coordinates: x here is the same as on the [site master grid](#), and a spot N ft north of R1 is at grid y = 585 – N (R1-C1 is at x 38, y 585, cell A12; R15 runs along y 305). The whole-site maps, the homestead plot map, and the water plan all use that grid.



Windbreak, hedge, and berry guild notes

Row spacing. The two rows are 15 ft apart: USDA's hybrid hazelnut guide keeps taller tree rows at least 15 ft from the hazels, and UNL's windbreak guide typically spaces rows 12–16 ft apart. The berry bushes moved out of the strip to make this room and now form guilds around the C1 trees.

Walking lane. The 10 ft from the mulberry trunks to the west edge of the hazelnuts (5–15 ft from the fence) is for walking and picking. Train each mulberry to one trunk, cut the root sprouts every year, and raise the crown a little each winter so you can walk under it. Remove low limbs while they are small: mulberry cuts on limbs 2 in or thicker may not heal (Ask Extension), and pruning in late fall or winter avoids bleeding (MOBOT). Mulberries are picked by shaking branches over a tarp (Ask Extension), so keep the lane mowed or mulched and clear. Pick the hazelnuts' west side from the lane and their east side from the tractor alley.

Tractor alley. The hazelnut row's east edge is 25 ft from the fence and the first orchard trunks are 38 ft from it, leaving 13 ft at ground level. Keep the alley-side limbs of the row-end orchard trees within 6 ft of the trunk to hold a 7 ft clear lane. If the hazelnuts reach their full 12 ft width, the alley narrows to 6 ft (your minimum is 6 ft). C1 trees in the even rows stand another 9 ft east.

Protection. UNL reports that a moderately dense windbreak cuts a 20 mph wind to about 5 mph out to 5 times its height. Mature mulberries (35–50 ft) would reach roughly 175–250 ft into the 237 ft orchard; in the first years the hazelnuts mainly shelter the west end. Leafless rows are thinner in early spring, when the stone fruit bloom.

Length. Wind wraps around the ends, so UNL recommends extending a windbreak 100–200 ft beyond the area it protects. The mulberry and hazelnut rows cover R1–R15 plus at least 6 ft at each end. The east hedge starts at the south end; 19 more elderberries at the same spacing finish it to the north end. The plot has room to extend all the rows north and south later.

Junipers. Junipers and Eastern red cedar host cedar–apple rust, and UMN advises keeping them a few hundred yards from apples; spores can travel more than a mile. Yours are south of the orchard, the closest 200+ ft away, and the apples are at the south end as requested: R1 is about 200+ ft from the closest juniper, and the pears (occasional hosts of a related rust) about 320+ ft. UMN suggests inspecting nearby junipers and red cedars in late winter or early spring and pruning out brown, woody galls before the orange, gelatinous structures form, and notes that the rust is only a minor problem on resistant or partially resistant apples. Do not add junipers or red cedars to this windbreak, and watch the apples for orange leaf spots in late spring.

Pollination. Hazelnuts are wind-pollinated and cannot pollinate themselves (UMHDI); the seedling hybrids should pollinate one another. Several named elderberries need another variety (Berry sheet), so mix the cultivars along the hedge.

Berry guilds. Each C1 tree in R2–R12 has berry bushes on its alley side: an arc of 5 around the south and west of each even-row tree, which stands 9 ft farther from the alley, and 2 on the south side of each odd-row tree. They sit 6–7 ft from the trunks and about 5 ft apart, all east of the alley (the nearest bush edge is 33 ft from the fence), with a walking gap of at least 4.5 ft between neighboring guilds. South to north: honeyberry ×11 (R2–R4), red currant ×7 (R4–R6), gooseberry ×3 (R6–R7), Viking aronia ×2 (R8), jostaberry ×17 (R8–R12). Left over: 1 jostaberry. The 11 dashed positions around the C1 spots in R1, R13, R14, and R15 wait for those trees. The south side of each tree gets the most sun. Honeyberries tolerate partial shade and need at least two varieties that pollinate each other (UAF Extension), so mix their varieties; currants and gooseberries tolerate partial shade but fruit more in full sun (UMN). Comfrey could fill the east side of each guild, in the tree row, but its deep roots make it difficult to eradicate once established (WSU). Keep one side of each tree open for a ladder.

Blister rust. White pine blister rust attacks five-needle (white) pines and uses currants and gooseberries as alternate hosts (WSU). Your white pines died, and ponderosa and Austrian pines are not five-needle pines, so the guild currants and gooseberries put no pines at risk; UMN also lists jostaberry as resistant. Avoid planting white pines near them later.

Metal Tag to Orchard Position — Planting Checklist

Start at the south end of the orchard with R1 and work north. Within each row, start at C1 on the west/windbreak side and work east toward C13. Match the exact metal **Tag ID** first; the tree name and inventory row are cross-checks. When several trees share one Tag ID, the sequence identifies each otherwise identical inventory instance.

Spot SiteRef: CELL-Eoffset-Soffset locates the listed orchard spot. Both offsets are feet from the master cell's northwest corner; B10-E33-S35 is the M-111 at R6-C3. E and S are compass directions, not page directions on this south-up map. Codes stay with vacant spots for 2027 replacements; the Urban apples' new outside-orchard locations remain PENDING. See the [master-grid guide](#).

Planted	Grid position	Spot SiteRef	Metal Tag ID	Code	Tree	Inventory row
✔	R2-C1	A12-E47-S15	AL-Foxwhelp	FOX	Foxwhelp Cider Apple Inventory name: Foxwhelp Cider Late; crimson-striped; bittersharp cider apple	39
✔	R2-C2	B12-E15-S15	AL-Brae Dwf	BB	Braeburn Inventory name: Braeburn Dwarf Late; red-orange streaks; crisp, tangy-sweet	27
✔	R2-C3	B12-E33-S15	AL-Jon G Tree 1 of 2 with this tag	JG	Jonagold Late; large red-over-gold; honeyed sweet-tart; triploid	53
✔	R2-C4	C12-E1-S15	AL-Fuji	FJ	Fuji Very late; pink-red stripes; sweet, crisp, long keeper	42
✔	R2-C5	C12-E19-S15	AL-Hon Cris Tree 1 of 2 with this tag	HC	Honeycrisp Mid; red-orange flush; very crisp, sweet	49
✔	R2-C6	C12-E37-S15	AL-Cort/ AL-Cortland Tree 1 of 3 with this tag	CL	Cortland Mid; red-streaked; white flesh slow to brown	29
✔	R2-C7	D12-E5-S15	AL-Pink/ AL-Pink Lady Tree 1 of 2 with this tag	PL	Pink Lady (Cripps Pink) Inventory name: Pink Lady Very late; pink blush on yellow; crisp, sweet-tart	59
✔	R2-C8	D12-E23-S15	AL-Jon G Tree 2 of 2 with this tag	JG	Jonagold Late; large red-over-gold; honeyed sweet-tart; triploid	53
✔	R2-C9	D12-E41-S15	AL-Gala	GL	Gala Early; orange-red streaks; mild, sweet	45
✔	R2-C10	E12-E9-S15	AL-Ark Blk	AB	Arkansas Black Spur (FT015) Inventory name: Arkansas Black Very late; dark red-black; tart, firm, long keeper	26
✔	R2-C11	E12-E27-S15	AL-O Pip Tree 1 of 2 with this tag	CO	Cox's Orange Pippin Inventory name: Cox Orange Pippin Mid; orange-red flush; aromatic, sweet-tart; fussy	30
✔	R2-C12	E12-E45-S15	AL-Frank C	FC	Franklin Cider Late; russeted green-yellow; bittersharp cider apple	40
✔	R2-C13	F12-E13-S15	AL-Frequin	FRQ	Frequin Rouge Cider Apple Inventory name: Frequin Rouge Mid; small red-striped; bittersweet French cider apple	41
✔	R3-C1	A11-E38-S45	AL-Kerr Crab Tree 1 of 3 with this tag	KER	Kerr Crab Seedling Inventory name: Crabapple, Kerr Mid; crimson-maroon crab; crisp, tart-sweet; keeps	32
✔	R3-C2	B11-E6-S45	AL-Cort/ AL-Cortland Tree 2 of 3 with this tag	CL	Cortland Mid; red-streaked; white flesh slow to brown	29
✔	R3-C3	B11-E24-S45	AL-G Orch-7	KB	Kingston Black Late; dark red, russeted; bittersharp cider apple	54
✔	R3-C4	B11-E42-S45	AL-Crisp	MC	Mutsu Crispin Inventory name: Crispin Late; big yellow-green; crisp, honeyed; triploid	35
✔	R3-C5	C11-E10-S45	AL-Pink/ AL-Pink Lady Tree 2 of 2 with this tag	PL	Pink Lady (Cripps Pink) Inventory name: Pink Lady Very late; pink blush on yellow; crisp, sweet-tart	59
✔	R3-C6	C11-E28-S45	AL-Az Fuji Tree 1 of 2 with this tag	FA	Aztec Fuji Inventory name: Fuji Aztec Very late; deep pink-red; very sweet, long keeper	43

Planted	Grid position	Spot SiteRef	Metal Tag ID	Code	Tree	Inventory row
✔	R3-C7	C11-E46-S45	AL-UnKn Tree 1 of 6 with this tag	UNK	Unidentified apple Inventory name: Unknown	62
✔	R3-C8	D11-E14-S45	AL-Hon Cris Tree 2 of 2 with this tag	HC	Honeycrisp Mid; red-orange flush; very crisp, sweet	49
✔	R3-C9	D11-E32-S45	AL-Az Fuji Tree 2 of 2 with this tag	FA	Aztec Fuji Inventory name: Fuji Aztec Very late; deep pink-red; very sweet, long keeper	43
✔	R3-C10	E11-E0-S45	AL-Gld Rsh	GO	GoldRush Inventory name: Goldrush Very late; yellow, russet; tart-sweet, keeps 6 months	46
✔	R3-C11	E11-E18-S45	AL-Red Del	RD	Red Delicious Inventory name: Delicious, Red Late; tall dark red; sweet, mild, crisp; five bumps	37
✔	R3-C12	E11-E36-S45	AL-UnKn Tree 2 of 6 with this tag	UNK	Unidentified apple Inventory name: Unknown	62
✔	R3-C13	F11-E4-S45	AL-G Orch-111	NP	Newtown Pippin Inventory name: Newton Yellow Pippin Very late; dull green-yellow; tart, aromatic winter apple	58
✔	R4-C1	A11-E47-S25	AL-O Pip Tree 2 of 2 with this tag	CO	Cox's Orange Pippin Inventory name: Cox Orange Pippin Mid; orange-red flush; aromatic, sweet-tart; fussy	30
✔	R4-C2	B11-E15-S25	AL-UnKn Tree 3 of 6 with this tag	UNK	Unidentified apple Inventory name: Unknown	62
✔	R4-C3	B11-E33-S25	AL-Hny Crisp	HC	Honeycrisp (Super Red) Inventory name: Honeycrisp, Super Red Mid; red over yellow; very crisp, sweet-tart	50
✔	R4-C4	C11-E1-S25	AL-Gold D	GD	Golden Delicious Inventory name: Delicious, Golden Late; golden-green; sweet, mild honey; keeps well	36
✔	R4-C5	C11-E19-S25	AL-UnKn Tree 4 of 6 with this tag	UNK	Unidentified apple Inventory name: Unknown	62
✔	R4-C6	C11-E37-S25	AL-Zestar Tree 1 of 2 with this tag	ZT	Zestar Earliest; rosy red blush; sweet-tart, brown sugar	66
✔	R4-C7	D11-E5-S25	AL-Wickson cr	WC	Wickson Crab Inventory name: Crabapple, Wickson Late; golf-ball red crab; very sweet, sharp; early bloom	33
✔	R4-C8	D11-E23-S25	AL-UnKn Tree 5 of 6 with this tag	UNK	Unidentified apple Inventory name: Unknown	62
Open	R4-C9	D11-E41-S25	AL-UrbGrn	UG	Tandgy green Urban Columnar - NOT IN ORCHARD Inventory name: Urban Green Planned outside the orchard; current SiteRef: PENDING. Leave this spot open; plant a new apple tree in 2027 (planned: Haralson).	64
✔	R4-C10	E11-E9-S25	AL-UnKn Tree 6 of 6 with this tag	UNK	Unidentified apple Inventory name: Unknown	62
✔	R4-C11	E11-E27-S25	AL-Fuji	AF	Auvil Early Fuji Inventory name: Fuji, Early Mid; red, gold-touched; sweet, low-acid Fuji sport	44
✔	R4-C12	E11-E45-S25	AL-Harrison Tree 1 of 2 with this tag	HR	Harrison Late; small yellow; sweet, rich cider apple	48
✔	R4-C13	F11-E13-S25	AL-Dolgo	DLG	Dolgo Crabapple Inventory name: Crabapple, Dolgo Early crab; crimson, oblong; tart, white bloom	31

Planted	Grid position	Spot SiteRef	Metal Tag ID	Code	Tree	Inventory row
✔	R5-C1	A11-E38-S5	AL-Campfield	CAM	Campfield Cider Apple Inventory name: Campfield Cide Very late; red-striped; bittersweet Newark cider apple	28
✔	R5-C2	B11-E6-S5	AL-Idared	ID	Idared Late; smooth red; mild sweet-tart; keeps 6 months	52
✔	R5-C3	B11-E24-S5	AL-Gold Gem	HG	Hudson's Golden Gem Inventory name: Hudsons Golden Gem Late; large russet, pear-shaped; sweet, nutty	51
✔	R5-C4	B11-E42-S5	AL-Liberty	LB	Liberty Mid; bright red Mac-type; scab-resistant; sweet-tart	55
✔	R5-C5	C11-E10-S5	AL- S Six	SS	Sweet Sixteen Mid; pink-red stripes; yellow flesh, candy-sweet	60
✔	R5-C6	C11-E28-S5	AL-Cort/ AL-Cortland Tree 3 of 3 with this tag	CL	Cortland Mid; red-streaked; white flesh slow to brown	29
✔	R5-C7	C11-E46-S5	AL-Mc In	MT	Macintosh Inventory name: McIntosh Mid; red over green; crisp, wine-like, white flesh	57
✔	R5-C8	D11-E14-S5	AL-Zestar Tree 2 of 2 with this tag	ZT	Zestar Earliest; rosy red blush; sweet-tart, brown sugar	66
Open	R5-C9	D11-E32-S5	AL-UrbR	UR	Tasty Red Urban Columnar - NOT IN ORCHARD Inventory name: Urban Red Planned outside the orchard; current SiteRef: PENDING. Leave this spot open; plant a new apple tree in 2027 (planned: Williams' Pride).	65
Open	R5-C10	E11-E0-S5	AL-UrbGld	UD	Blushing Delight Urban Columnar - NOT IN ORCHARD Inventory name: Urban Gold Planned outside the orchard; current SiteRef: PENDING. Leave this spot open; plant a new apple tree in 2027 (planned: Priscilla).	63
✔	R5-C11	E11-E18-S5	AL-Harrison Tree 2 of 2 with this tag	HR	Harrison Late; small yellow; sweet, rich cider apple	48
✔	R5-C12	E11-E36-S5	AL-Crimson	CC	CrimsonCrisp Inventory name: Crimson Crisp Mid; bright crimson; very crisp, honeyed; scab-immune	34
✔	R5-C13	F11-E4-S5	AL-Kerr Crab Tree 2 of 3 with this tag	KER	Kerr Crab Seedling Inventory name: Crabapple, Kerr Mid; crimson-maroon crab; crisp, tart-sweet; keeps	32
✔	R6-C1	A10-E47-S35	AL-Kerr Crab Tree 3 of 3 with this tag	KER	Kerr Crab Seedling Inventory name: Crabapple, Kerr Mid; crimson-maroon crab; crisp, tart-sweet; keeps	32
✔	R6-C2	B10-E15-S35	AL-Gran S	GS	Granny Smith Very late; bright green; very tart, long keeper	47
✔	R6-C3	B10-E33-S35	AL-Rstk M111 Tree 1 of 12 with this tag	RS	M-111 apple rootstock Inventory name: M 111 Rootstock Already planted; scion cultivar not yet recorded. Large-tree rootstock; well anchored; tolerates dry soil	56
✔	R7-C1	A10-E38-S15	PR- Yw Huffcapp	YHC	Yellow Huffcapp European Perry Pear Inventory name: Yellow Huffcapp Mid; small elliptical yellow-green; sharp perry	110
✔	R7-C2	B10-E6-S15	PR-Shin Asian	SA	Shinseiki - Asian Inventory name: Asian, Shinseiki Mid; yellow skin; crisp, sweet, slightly tart	95
✔	R7-C3	B10-E24-S15	PR-Olympic	OG	Olympic Giant - Asian Inventory name: Olympic Giant Late; huge brown russet; sweet, crisp, long keeper	106

Planted	Grid position	Spot SiteRef	Metal Tag ID	Code	Tree	Inventory row
✔	R7-C4	B10-E42-S15	PR-R Bart	RB	Red Bartlett Inventory name: Bartlett, Red Mid; red-skinned Bartlett sport; sweet, juicy	98
✔	R7-C5	C10-E10-S15	PR-Anjou	AU	Anjou Inventory name: Anjou Stan. Supreme Late; green skin, blunt shape; mild, buttery; long keeper	92
✔	R7-C6	C10-E28-S15	PR-Comice Tree 1 of 3 with this tag	CE	Comice Late; squat, green-yellow, red blush; buttery, aromatic	100
✔	R7-C7	C10-E46-S15	PR-Barnet	BNT	Barnett European Perry Pear Inventory name: Barnet Euro Late; small, russeted all over; light perry	96
✔	R7-C8	D10-E14-S15	PR-Sum Cris Tree 1 of 2 with this tag	SMC	SummerCrisp Inventory name: Summercrisp Early; green, red blush; crisp, mild-sweet	109
✔	R7-C9	D10-E32-S15	PR-Parker	PKR	Parker Mid; yellow-bronze, red blush; hardy, tender-juicy	107
✔	R7-C10	E10-E0-S15	PR-Sum Cris Tree 2 of 2 with this tag	SMC	SummerCrisp Inventory name: Summercrisp Early; green, red blush; crisp, mild-sweet	109
✔	R7-C11	E10-E18-S15	PR-Comice Tree 2 of 3 with this tag	CE	Comice Late; squat, green-yellow, red blush; buttery, aromatic	100
✔	R7-C12	E10-E36-S15	PR-Kief	KF	Keiffer Inventory name: Kieffer Late; yellow, crimson blush; crisp, coarse; canning pear	104
✔	R7-C13	F10-E4-S15	PR-Butt Euro	BUT	Butt European Perry Pear Inventory name: Butt Euro Perry Late; small lemon-yellow; astringent perry pear	99
Open	R8-C1	A9-E47-S45	PR-Pineap	PE	Pineapple - DEAD Leave this spot open; plant a new pear tree in 2027 (planned: Harrow Delight).	108
✔	R8-C2	B9-E15-S45	PR-Asian H	HA	Hosui - Asian Inventory name: Asian Hosui Mid; round golden-russet; sweet-tart, very juicy	93
✔	R8-C3	B9-E33-S45	PR-Asian	HG	Starking Hardy Giant - Asian Inventory name: Asian, Hardy Giant Late; huge round brown russet; crisp, long keeper	94
✔	R8-C4	C9-E1-S45	PR-Hendre Tree 1 of 2 with this tag	HHC	Hendre Huffcapp European Perry Pear Inventory name: Hendre Huffeap Late; small elliptical; light low-tannin perry	103
✔	R8-C5	C9-E19-S45	PR-Bart Tree 1 of 2 with this tag	BT	Bartlett Mid; green turning yellow; sweet, juicy, aromatic	97
✔	R8-C6	C9-E37-S45	PR-Moon	MW	Moonglow Mid; yellow, pink blush; soft, juicy, mild	105
✔	R8-C7	D9-E5-S45	PR-D'an Tree 1 of 2 with this tag	AU	Anjou Inventory name: D'Anjou Late; green skin, blunt shape; mild, buttery; long keeper	101
✔	R8-C8	D9-E23-S45	PR-Hendre Tree 2 of 2 with this tag	HHC	Hendre Huffcapp European Perry Pear Inventory name: Hendre Huffeap Late; small elliptical; light low-tannin perry	103
✔	R8-C9	D9-E41-S45	PR-Delic	SD	Starking Delicious Inventory name: Delicious Mid; large yellow-green; sweet, juicy, easy to peel	102
✔	R8-C10	E9-E9-S45	PR-D'an Tree 2 of 2 with this tag	AU	Anjou Inventory name: D'Anjou Late; green skin, blunt shape; mild, buttery; long keeper	101

Planted	Grid position	Spot SiteRef	Metal Tag ID	Code	Tree	Inventory row
✔	R8-C11	E9-E27-S45	PR-Bart Tree 2 of 2 with this tag	BT	Bartlett Mid; green turning yellow; sweet, juicy, aromatic	97
✔	R8-C12	E9-E45-S45	PR-Comice Tree 3 of 3 with this tag	CE	Comice Late; squat, green-yellow, red blush; buttery, aromatic	100
✔	R9-C1	A9-E38-S25	CR-Bing Tree 1 of 2 with this tag	BB	Bing Mid; mahogany to near-black heart; very sweet, firm	72
Open	R9-C2	B9-E6-S25	CR-Royalton	RS	Royalton Sweet - DEAD Leave this spot open; plant a new cherry tree in 2027 (planned: Black Gold).	80
✔	R9-C3	B9-E24-S25	CR-Bing Tree 2 of 2 with this tag	BB	Bing Mid; mahogany to near-black heart; very sweet, firm	72
✔	R9-C4	B9-E42-S25	CR-Stella	ST	Stella Inventory name: Sweet Stella Mid; self-fertile; large dark heart-shaped, firm	82
✔	R9-C5	C9-E10-S25	CR-Ian Nan Tree 1 of 2 with this tag	NKI	Nanking (bush) Inventory name: Nanking, Ian Mid; small tart-sweet cherries; very hardy bush	78
✔	R9-C6	C9-E28-S25	CR-Sweet Tree 1 of 3 with this tag	SWT	Unidentified sweet cherry Inventory name: Sweet	81
✔	R9-C7	C9-E46-S25	CR-Hardy Antq	HG	Hardy Giant Antque Sweet Inventory name: Hardy Giant Antique Mid; mahogany skin, dark red flesh; heavy clusters	75
✔	R9-C8	D9-E14-S25	CR-Ian Nan Tree 2 of 2 with this tag	NKI	Nanking (bush) Inventory name: Nanking, Ian Mid; small tart-sweet cherries; very hardy bush	78
✔	R10-C1	A9-E47-S5	CR-Black T Tree 1 of 2 with this tag	BT	Black Tartarian Early; purple-black, medium; sweet, rich; pollinizer	73
✔	R10-C2	B9-E15-S5	CR-Lapins	LP	Lapins Inventory name: Lapins Sweet Late; self-fertile; large mahogany, Bing-shaped	76
✔	R10-C3	B9-E33-S5	CR-Black T Tree 2 of 2 with this tag	BT	Black Tartarian Early; purple-black, medium; sweet, rich; pollinizer	73
✔	R10-C4	C9-E1-S5	CR-Sweet Tree 2 of 3 with this tag	SWT	Unidentified sweet cherry Inventory name: Sweet	81
✔	R10-C5	C9-E19-S5	CR-Mont Tree 1 of 2 with this tag	MNT	Montmorency Late; bright red tart pie cherry; self-fertile	77
✔	R10-C6	C9-E37-S5	CR-Juls Nan	NKJ	Nanking (bush) Inventory name: Nanking, Jules Mid; small tart-sweet cherries; very hardy bush	79
✔	R10-C7	D9-E5-S5	CR-Sweet Tree 3 of 3 with this tag	SWT	Unidentified sweet cherry Inventory name: Sweet	81
✔	R10-C8	D9-E23-S5	CR-Mont Tree 2 of 2 with this tag	MNT	Montmorency Late; bright red tart pie cherry; self-fertile	77
✔	R11-C1	A8-E38-S35	AT-moorpark Tree 1 of 2 with this tag	MP	Moorpark Inventory name: Moore Park Mid; large orange, red-specked; rich flavor; fresh, dried	70
✔	R11-C2	B8-E6-S35	AT-Unk	UNK	Unidentified apricot Inventory name: Unknown	71
✔	R11-C3	B8-E24-S35	AT-Tilton	GT	Giant Tilton Mid; large golden-orange; fresh, canning, drying	68
✔	R11-C6	C8-E28-S35	PM- It Lov Tree 1 of 3 with this tag	IPL	Italian Plum Inventory name: Italian Lovell Mid; dark blue prune plum; sweet, freestone, dries well	111

Planted	Grid position	Spot SiteRef	Metal Tag ID	Code	Tree	Inventory row
✓	R11-C8	D8-E14-S35	PC-Contender	CR	Contender Mid; red-orange skin; very hardy; non-browning flesh	85
✓	R11-C9	D8-E32-S35	PC-Rd Haven	RH	Redhaven Early; red-blushed, little fuzz; sweet yellow flesh	89
Open	R11-C10	E8-E0-S35	PC-Hale	JH	JH Hale - DEAD Inventory name: Hale Leave this spot open; plant a new peach tree in 2027 (planned: Intrepid).	88
✓	R11-C11	E8-E18-S35	PC-Frost	FT	Frost Mid; leaf curl resistant; yellow-green skin, pink bloom	87
Open	R11-C12	E8-E36-S35	PC-Can Harm	CH	Canadian Harmony - DEAD Leave this spot open; plant a new peach tree in 2027 (planned: Contender).	84
✓	R11-C13	F8-E4-S35	PC-Reliance Tree 1 of 2 with this tag	RC	Reliance Early; very hardy, late bloom; soft, sweet, juicy	90
✓	R12-C1	A8-E47-S15	AT-Harcot	HT	Harcot Mid; orange, red blush; late bloom, canker resistant	69
✓	R12-C2	B8-E15-S15	AT-moorpark Tree 2 of 2 with this tag	MP	Moorpark Inventory name: Moore Park Mid; large orange, red-specked; rich flavor; fresh, dried	70
✓	R12-C5	C8-E19-S15	PM- It Lov Tree 2 of 3 with this tag	IPL	Italian Plum Inventory name: Italian Lovell Mid; dark blue prune plum; sweet, freestone, dries well	111
✓	R12-C6	C8-E37-S15	PM- It Lov Tree 3 of 3 with this tag	IPL	Italian Plum Inventory name: Italian Lovell Mid; dark blue prune plum; sweet, freestone, dries well	111
✓	R12-C9	D8-E41-S15	PC-Reliance Tree 2 of 2 with this tag	RC	Reliance Early; very hardy, late bloom; soft, sweet, juicy	90
✓	R12-C10	E8-E9-S15	PC-Unk Tree 1 of 2 with this tag	UNK	Unidentified peach Inventory name: Unknown	91
Open	R12-C11	E8-E27-S15	PC-Blaz Star	BS	BlazingStar - DEAD Inventory name: Blazing Star Leave this spot open; plant a new peach tree in 2027 (planned: Harrow Diamond).	83
✓	R12-C12	E8-E45-S15	PC-Unk Tree 2 of 2 with this tag	UNK	Unidentified peach Inventory name: Unknown	91
✓	R12-C13	F8-E13-S15	PC-Elberta	EA	Elberta Late; large golden-yellow; sweet, firm freestone	86

Planting Updates — October 4–11, 2026

- R4-C9: Tandgy green Urban Columnar (tag AL-UrbGrn, inventory row 64) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Haralson (apple) in 2027, described in the planting plan.
- R5-C9: Tasty Red Urban Columnar (tag AL-UrbR, inventory row 65) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Williams' Pride (apple) in 2027, described in the planting plan.
- R5-C10: Blushing Delight Urban Columnar (tag AL-UrbGld, inventory row 63) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Priscilla (apple) in 2027, described in the planting plan.
- R8-C1: Pineapple (tag PR-Pineap, inventory row 108) reported dead October 11, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Delight (pear) in 2027, described in the planting plan.
- R9-C2: Royalton Sweet (tag CR-Royalton, inventory row 80) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Black Gold (cherry) in 2027, described in the planting plan.
- R11-C10: JH Hale (tag PC-Hale, inventory row 88) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Intrepid (peach) in 2027, described in the planting plan.
- R11-C12: Canadian Harmony (tag PC-Can Harm, inventory row 84) reported dead October 18, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Contender (peach) in 2027, described in the planting plan.
- R12-C11: BlazingStar (tag PC-Blaz Star, inventory row 83) reported dead October 18, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Diamond (peach) in 2027, described in the planting plan.
- M-111 apple rootstock planted at R6-C3. No scion cultivar is recorded; not counted as a fruit tree or pollen partner until grafting and cultivar identification are recorded.
- Planned from what is at Prairie: 106 living fruit trees in the orchard, plus 1 planted apple rootstock. 3 living Urban apples are planned outside the orchard with grid locations pending. 12 unidentified trees are placed with their fruit type but not counted as pollen donors. The September plan used the full purchase list (122 fruit trees and 32 nut trees).
- Orchard plot set to 237 × 600 ft: the measured 232 ft plus 5 ft from the open ground to the east, so the last trees have 9 ft (half the tree spacing) to the east line. About 28 ft remains between the orchard and the driveway for turning. The September plan used 225 ft plus a 5 ft buffer.
- A 35 ft windbreak strip was added between the orchard and the west fence without shrinking the orchard: rows of red mulberry and hazelnut step down from west to east, followed by a 7 ft clear tractor alley.
- The elderberries moved out of the west windbreak to their own hedge 5 ft inside the east fence, beside the driveway: 8 ft apart for a tighter grouping and some shelter from east winds. The 19 plants fill the south 144 ft; 19 more positions are marked to finish the hedge.
- To leave room to walk and pick, the west strip is now two rows: red mulberry 5 ft and hazelnut 20 ft from the fence, 15 ft apart as USDA's hybrid hazelnut guide advises, with a 10 ft walking lane under the mulberries.
- The berry bushes moved out of the west strip into guilds on the alley side of the C1 trees in R2–R12, following your sketch: 40 bushes (honeyberry ×11, red currant ×7, gooseberry ×3, Viking aronia ×2, jostaberry ×17), with 1 left over. 11 more positions wait for the trees in R1 and the future rows.
- The two white pines died (owner report), so white pine blister rust, which alternates between five-needle pines and currants or gooseberries, is no longer a concern for the currants and gooseberries; ponderosa and Austrian pines are not five-needle pines.
- The main orchard holds fruit trees only. Nut trees, rootstocks, and the two Boise trees are listed separately, and the hazelnuts moved to the windbreak.
- Rows start at the west alley and fill eastward, so open positions are at the east ends, except that in R11–R12 the apricots are right-justified, plums are placed at C6 in R11 and C5–C6 in R12, and peaches are left-justified, so the open spots there are between the blocks, and at R4-C9, R5-C9, R5-C10, R8-C1, R9-C2, R11-C10, R11-C12, R12-C11 after the owner's planting updates.
- Rows by fruit type: apples in 5 rows (13 + 13 + 12 + 11 + 3) plus reserved R1 (13 spots); pears in 2 rows (13 + 11); cherries in 2 rows (7 + 8); apricots at the west end (3 + 2), plums at C6 in R11 and C5–C6 in R12 (1 + 2), and peaches at the east end (4 + 4) share R11–R12; R13–R15 are open for trees you buy or graft later. The cherries use the two rows you chose, and the shared rows R11–R12 follow your layout; the orchard keeps all 15 rows.
- Added R1, a full apple row at the top of the map with 13 spots reserved for grafted rootstock apples. 14 rootstocks remain available (2 EMLA 7, 11 M-111, 1 unknown), after the M-111 planted at R6-C3.
- The fruit types run south to north as apples, pears, cherries, then apricots, plums, and peaches sharing R11–R12, with the apples at the top of the map; the September plan had apples, pears, cherries, apricots, peaches, and plums, each in its own rows. The apples are about 200+ ft from the closest juniper, closer than UMN advises; the windbreak notes list ways to limit cedar–apple rust.
- The J.H. Hale peach died (owner report, Oct 17); the identified peaches that remain are all self-fertile.
- The map is drawn with south at the top and the west fence on the right, the view from the north end looking south; the site plan and windbreak cross-section match. The earlier grid put south at the top but kept west on the left, which mirrored the real layout.

Prairie Inventory vs. Purchase List

In the orchard: 106 living fruit trees (12 unidentified) plus 1 planted M-111 rootstock. Also at Prairie: 3 living Urban apples planned outside the orchard (grid locations pending), 14 rootstocks still available for grafting and planting, 20 nut trees, 59 west windbreak plants, 19 elderberries for the east hedge, and 41 berry bushes for the C1 guilds. The purchase comparison uses the October 4, 2026 inventory snapshot; later owner planting updates are recorded separately, not treated as missing or unidentified trees. Compared with the Trees.xlsx Fruit sheet, 22 purchased fruit trees were not found at Prairie, 4 more than purchased were found for a few varieties, and 2 trees remain in Boise. Some missing trees may be among the unidentified ones. The table lists only the differences; the line-by-line match is below it.

Purchased vs. found in the October 4 inventory — differences only

Purchase record(s), Trees.xlsx Fruit sheet	Purchased	At Prairie	Elsewhere	Difference	Notes
Aztec Fuji Apple; Fruit rows 4, 5	3	2		-1	2 of 3 purchased found (row 4: 1 semi-dwarf; row 5: 2 dwarf); the inventory does not say which. May be among the 6 unidentified apples at Prairie.
Braeburn Apple; Fruit rows 7, 8	2	1		-1	1 of 2 purchased Braeburns found. The tag says Dwarf, so it is matched to the Lowes tree with no recorded rootstock (row 8) rather than the M-111 tree (row 7). May be among the 6 unidentified apples at Prairie.
Cortland Apple; Fruit row 10	5	3		-2	3 of 5 purchased found. May be among the 6 unidentified apples at Prairie.
Dolgo Crabapple Apple; Fruit row 13	2	1		-1	1 of 2 purchased found. May be among the 6 unidentified apples at Prairie.
Empire Apple; Fruit row 14	1	0		-1	Not in the Prairie inventory. May be among the 6 unidentified apples at Prairie.

Purchase record(s), Trees.xlsx Fruit sheet	Purchased	At Prairie	Elsewhere	Difference	Notes
Gala Apple; Fruit rows 19, 20	2	1		-1	1 of 2 purchased found. May be among the 6 unidentified apples at Prairie.
Golden Russet Apple; Fruit row 22	1	0		-1	Not in the Prairie inventory. May be among the 6 unidentified apples at Prairie.
Honeycrisp Apple; Fruit row 28	3	2		-1	2 of 3 purchased found. May be among the 6 unidentified apples at Prairie.
Kerr Crab Seedling Apple; Fruit row 33	2	3		+1	3 found, but 2 were purchased. All are seed-grown, so each may bloom differently.
Sweet Sixteen Apple; Fruit row 41	2	1		-1	1 of 2 purchased found. May be among the 6 unidentified apples at Prairie.
Zestar Apple; Fruit row 45	3	2		-1	2 of 3 purchased found. May be among the 6 unidentified apples at Prairie.
Chinese (Mormon) Apricot; Fruit row 46	1	0	1	0	Still in Boise (girdled, mulched); not planned for Prairie.
Moorpark Apricot; Fruit row 49	1	2		+1	2 found, but 1 Moorpark was purchased. Patterson (row 50) was not found; one of these may be Patterson.
Patterson Apricot; Fruit row 50	1	0		-1	Not in the Prairie inventory. May be the unidentified apricot at Prairie.
Black Tartarian Cherry; Fruit rows 55, 56	4	2		-2	2 of 4 purchased found. May be among the 3 unidentified sweet cherries at Prairie.
Craig's Crimson Cherry; Fruit row 57	1	0	1	0	Still in Boise (girdled, mulched); not planned for Prairie.
Regina Cherry; Fruit row 62	1	0		-1	Not in the Prairie inventory. May be among the 3 unidentified sweet cherries at Prairie.
Sam Sweet Cherry; Fruit row 64	1	0		-1	Not in the Prairie inventory. May be among the 3 unidentified sweet cherries at Prairie.
Hybrid Hazelnut / Jefferson Filbert Hazelnut / Theta Filbert Hazelnut / Hybrid Hazelnut (controlled-cross) Nut; Fruit rows 70, 71, 76, 118	77	34		-43	Listed as Jefferson Filbert, but the purchase list has 75 Forestag hybrid seedlings, 1 Jefferson, and 1 Theta. Most are probably hybrids; if the Jefferson and Theta can be identified, plant them side by side (Theta pollinizes Jefferson).
Pecan (Native Hardy) Nut; Fruit row 74	10	4		-6	4 of 10 purchased found.
Shellbark Hickory Nut; Fruit row 75	10	0		-10	Not in the Prairie inventory.
Contender Peach; Fruit row 79	2	1		-1	1 of 2 purchased found. May be among the 2 unidentified peaches at Prairie.
Elberta Peach; Fruit row 80	2	1		-1	1 of 2 purchased found. May be among the 2 unidentified peaches at Prairie.
Reliance Peach; Fruit rows 85, 86, 87	3	2		-1	2 of 3 purchased found. May be among the 2 unidentified peaches at Prairie.
Veteran Peach; Fruit row 88	1	0		-1	Not in the Prairie inventory. May be among the 2 unidentified peaches at Prairie.
Anjou Pear; Fruit row 89	2	3		+1	Inventory rows 92 (Anjou) and 101 (D'Anjou) together hold 3 Anjou, but 2 were purchased.
Hendre Huffcapp European Perry Pear Pear; Fruit row 95	1	2		+1	2 found, but 1 was purchased. Thorn (row 107) was not found; one of these may be Thorn.
Thorn European Perry Pear Pear; Fruit row 107	1	0		-1	Not in the Prairie inventory.
Italian Plum / Italian Seedling Plum; Fruit rows 109, 110	4	3		-1	3 of 4 found (2 named Italian plums, row 109; 2 Italian seedlings, row 110). Lovell is a peach rootstock, which suggests grafted trees; confirm whether any are seedlings.
Sambucus canadensis Elderbery; Fruit row 115	25	19		-6	Planted as a hedge along the east fence by the driveway. The purchase list also has 9 named elderberries on the Berry sheet (American, Bob Gordon ×2, Marge ×2, Perl, Ranch, Wyldewood, York). The 19 at Prairie are not identified by cultivar.

Purchase record(s), Trees.xlsx Fruit sheet	Purchased	At Prairie	Elsewhere	Difference	Notes
Amelanchier canadensis Serviceberry; Fruit row 117	25	0		-25	Not in the Prairie inventory.

Show every inventory line used in this plan and where it goes

Inventory row	Prairie inventory	Qty	Matched purchase record(s)	Plan / positions	Notes
3	Currant — Red Berry Tag Currant	7	Berry rows 4–7: 5 currants (1 red, 3 black, 1 white)	C1 berry guilds, R4–R6	7 currants listed as red at Prairie vs. 5 purchased (1 red, 3 black, 1 white). Self-fertile per the Berry sheet.
4	Elderberry	19	Row 115: Sambucus canadensis (25)	East hedge, 5 ft inside the east fence	Planted as a hedge along the east fence by the driveway. The purchase list also has 9 named elderberries on the Berry sheet (American, Bob Gordon ×2, Marge ×2, Perl, Ranch, Wyldewood, York). The 19 at Prairie are not identified by cultivar.
5	Gooseberry Tag GooseBerry	3	Berry rows 16–20: 5 gooseberries (Captivator, Hinnonmaki Red ×2, Invicta, Pixwell)	C1 berry guilds, R6–R7	3 at Prairie, 2 fewer than purchased. Self-fertile per the Berry sheet.
7	Honeyberry Tag Hny Bry	11	Berry rows 26–31: 12 honeyberries (Blue Diamond ×3, Blue Palm ×3, Indigo Treat ×2, Cinderella ×2, Maxine, Sunrise)	C1 berry guilds, R2–R4	11 at Prairie, 1 fewer than purchased. The Berry sheet says they need another honeyberry, so plant them as one group and mix the varieties.
8	Josta — Giant Tag JstB-G	4	Berry rows 32–34: 7 jostaberries (6 black, 1 red)	C1 berry guilds, R8–R12 (1 left over)	18 jostaberries at Prairie on lines 8–10, 11 more than purchased. Self-fertile per the Berry sheet.
9	Josta — Red Tag JstB-R	10	Berry rows 32–34: 7 jostaberries (6 black, 1 red)	C1 berry guilds, R8–R12 (1 left over)	18 jostaberries at Prairie on lines 8–10, 11 more than purchased. Self-fertile per the Berry sheet.
10	Josta — Regular Tag JstB	4	Berry rows 32–34: 7 jostaberries (6 black, 1 red)	C1 berry guilds, R8–R12 (1 left over)	18 jostaberries at Prairie on lines 8–10, 11 more than purchased. Self-fertile per the Berry sheet.
11	Mullberry — Red	25	Row 116: Morus rubra (25)	West windbreak, red mulberry row	
13	Viking Tag Viking	2	Berry rows 2–3: 2 Viking aronia (chokeberry)	C1 berry guilds, R8	Matches the purchase list. Self-fertile per the Berry sheet.
15	Hazlenut — Jefferson Filbert	34	Row 70: Hybrid Hazelnut (25); Row 71: Jefferson Filbert Hazelnut (1); Row 76: Theta Filbert Hazelnut (1); Row 118: Hybrid Hazelnut (controlled-cross) (50)	West windbreak, hazelnut row	Listed as Jefferson Filbert, but the purchase list has 75 Forestag hybrid seedlings, 1 Jefferson, and 1 Theta. Most are probably hybrids; if the Jefferson and Theta can be identified, plant them side by side (Theta pollinizes Jefferson).
26	Apple — Arkansas Black Tag AL-Ark Blk	1	Row 2: Arkansas Black Spur (FT015) (1)	R2-C10	
27	Apple — Braeburn Dwarf Tag AL-Brae Dwf	1	Row 8: Braeburn (1); Row 7: Braeburn (1)	R2-C2	1 of 2 purchased Braeburns found. The tag says Dwarf, so it is matched to the Lowes tree with no recorded rootstock (row 8) rather than the M-111 tree (row 7).
28	Apple — Campfield Cide Tag AL-Campfield	1	Row 9: Campfield Cider Apple (1)	R5-C1	
29	Apple — Cortland Tag AL-Cort/ AL-Cortland	3	Row 10: Cortland (5)	R2-C6 , R3-C2 , R5-C6	3 of 5 purchased found.
30	Apple — Cox Orange Pippin Tag AL-O Pip	2	Row 11: Cox's Orange Pippin (2)	R2-C11 , R4-C1	
31	Apple — Crabapple, Dolgo Tag AL-Dolgo	1	Row 13: Dolgo Crabapple (2)	R4-C13	1 of 2 purchased found.
32	Apple — Crabapple, Kerr Tag AL-Kerr Crab	3	Row 33: Kerr Crab Seedling (2)	R3-C1 , R5-C13 , R6-C1	3 found, but 2 were purchased. All are seed-grown, so each may bloom differently.
33	Apple — Crabapple, Wickson Tag AL-Wickson cr	1	Row 44: Wickson Crab (1)	R4-C7	
34	Apple — Crimson Crisp Tag AL-Crimson	1	Row 12: CrimsonCrisp (1)	R5-C12	
35	Apple — Crispin Tag AL-Crisp	1	Row 37: Mutsu Crispin (1)	R3-C4	
36	Apple — Delicious, Golden Tag AL-Gold D	1	Row 21: Golden Delicious (1)	R4-C4	
37	Apple — Delicious, Red Tag AL-Red Del	1	Row 40: Red Delicious (1)	R3-C11	
38	Apple — EMLA7 Apple Rootstock Tag AL-Rtsk-EMLA7	2	No purchase record matched	2 remain for grafting and planting; Graft first; reserved row R1 holds 13 of them.	Ungrafted EMLA 7 rootstock, for grafting.

Inventory row	Prairie inventory	Qty	Matched purchase record(s)	Plan / positions	Notes
39	Apple — Foxwhelp Cider Tag AL-Foxwhelp	1	Row 15: Foxwhelp Cider Apple (1)	R2-C1	
40	Apple — Franklin Cider Tag AL-Frank C	1	Row 16: Franklin Cider (1)	R2-C12	
41	Apple — Frequin Rouge Tag AL-Frequin	1	Row 17: Frequin Rouge Cider Apple (1)	R2-C13	
42	Apple — Fuji Tag AL-Fuji	1	Row 18: Fuji (1)	R2-C4	Same tag text (AL-Fuji) as the Early Fuji; check the variety label when planting.
43	Apple — Fuji Aztec Tag AL-Az Fuji	2	Row 4: Aztec Fuji (1); Row 5: Aztec Fuji (2)	R3-C6 , R3-C9	2 of 3 purchased found (row 4: 1 semi-dwarf; row 5: 2 dwarf); the inventory does not say which.
44	Apple — Fuji, Early Tag AL-Fuji	1	Row 3: Auvil Early Fuji (1)	R4-C11	Same tag text (AL-Fuji) as the Fuji; check the variety label when planting.
45	Apple — Gala Tag AL-Gala	1	Row 19: Gala (1); Row 20: Gala (1)	R2-C9	1 of 2 purchased found.
46	Apple — Goldrush Tag AL-Gld Rsh	1	Row 24: GoldRush (1)	R3-C10	
47	Apple — Granny Smith Tag AL-Gran S	1	Row 25: Granny Smith (1)	R6-C2	
48	Apple — Harrison Tag AL-Harrison	2	Row 26: Harrison (1); Row 27: Harrison Cider Apple (1)	R4-C12 , R5-C11	The workbook lists one Harrison (row 26, M-111) and one Harrison Cider (row 27, semi-dwarf), the same cultivar. The tags do not say which is which, so both use the row 26 cultivar data.
49	Apple — Honeycrisp Tag AL-Hon Cris	2	Row 28: Honeycrisp (3)	R2-C5 , R3-C8	2 of 3 purchased found.
50	Apple — Honeycrisp, Super Red Tag AL-Hny Crisp	1	Row 29: Honeycrisp (Super Red) (1)	R4-C3	
51	Apple — Hudsons Golden Gem Tag AL-Gold Gem	1	Row 30: Hudson's Golden Gem (1)	R5-C3	
52	Apple — Idared Tag AL-Idared	1	Row 31: Idared (1)	R5-C2	
53	Apple — Jonagold Tag AL-Jon G	2	Row 32: Jonagold (2)	R2-C3 , R2-C8	
54	Apple — Kingston Black Tag AL-G Orch-7	1	Row 34: Kingston Black (1)	R3-C3	Tag AL-G Orch-7 (Grandpa's Orchard, M-7) matches the workbook.
55	Apple — Liberty Tag AL-Liberty	1	Row 35: Liberty (1)	R5-C4	
56	Apple — M 111 Rootstock Tag AL-Rstk M111	12	No purchase record matched	11 remain for grafting and planting; Graft first; reserved row R1 holds 13 of them. Already planted: R6-C3	Ungrafted M-111 rootstock, for grafting.
57	Apple — McIntosh Tag AL-Mc In	1	Row 36: Macintosh (1)	R5-C7	
58	Apple — Newton Yellow Pippin Tag AL-G Orch-111	1	Row 38: Newtown Pippen (1)	R3-C13	Tag AL-G Orch-111 (Grandpa's Orchard, M-111) matches the workbook.
59	Apple — Pink Lady Tag AL-Pink/ AL-Pink Lady	2	Row 39: Pink Lady (Cripps Pink) (2)	R2-C7 , R3-C5	
60	Apple — Sweet Sixteen Tag AL- S Six	1	Row 41: Sweet Sixteen (2)	R5-C5	1 of 2 purchased found.
61	Apple — Ukn Rootstock Tag AL-Rtsk Unk	1	No purchase record matched	1 remain for grafting and planting; Graft first; reserved row R1 holds 13 of them.	Rootstock of unknown type, for grafting.
62	Apple — Unknown Tag AL-UnKn	6	No purchase record matched	R3-C7 , R3-C12 , R4-C2 , R4-C5 , R4-C8 , R4-C10	Tag AL-UnKn. Owner (Oct 16, 2026): every purchased apple arrived, so a purchase with no tagged tree is presumed to have died in Boise, unrecorded. These 6 are among the 11 purchased apples with no tagged tree: Braeburn 1, Cortland 2, Dolgo 1 (long shot), Empire 1, Aztec Fuji 1, Gala 1, Golden Russet 1, Honeycrisp 1, Sweet Sixteen 1, Zestar 1. Identify them at bloom or harvest using the possibility list.

Inventory row	Prairie inventory	Qty	Matched purchase record(s)	Plan / positions	Notes
63	Apple — Urban Gold Tag AL-UrbGld	1	Row 6: Blushing Delight Urban Columnnar (1)	R5-C10 - NOT PLANTED HERE; open for a replacement in 2027	Urban Gold is matched to Blushing Delight, the yellow Urban apple that was purchased (row 6). The workbook's Golden Treat Urban (row 23) has QTY 0; confirm the label. R5-C10: Blushing Delight Urban Columnnar (tag AL-UrbGld, inventory row 63) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Priscilla (apple) in 2027, described in the planting plan.
64	Apple — Urban Green Tag AL-UrbGrn	1	Row 42: Tandgy green Urban Columnnar (1)	R4-C9 - NOT PLANTED HERE; open for a replacement in 2027	R4-C9: Tandgy green Urban Columnnar (tag AL-UrbGrn, inventory row 64) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Haralson (apple) in 2027, described in the planting plan.
65	Apple — Urban Red Tag AL-UrbR	1	Row 43: Tasty Red Urban Columnnar (1)	R5-C9 - NOT PLANTED HERE; open for a replacement in 2027	R5-C9: Tasty Red Urban Columnnar (tag AL-UrbR, inventory row 65) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Williams' Pride (apple) in 2027, described in the planting plan.
66	Apple — Zestar Tag AL-Zestar	2	Row 45: Zestar (3)	R4-C6, R5-C8	2 of 3 purchased found.
67	Apricot — Chinese (Mormon) Tag AT-Chinese	1	Row 46: Chinese (Mormon) (1)	Not at Prairie (Boise)	Still in Boise (girdled, mulched); not planned for Prairie.
68	Apricot — Giant Tilton Tag AT-Tilton	1	Row 47: Giant Tilton (1)	R11-C3	
69	Apricot — Harcot Tag AT-Harcot	1	Row 48: Harcot (1)	R12-C1	
70	Apricot — Moore Park Tag AT-moorpark	2	Row 49: Moorpark (1)	R11-C1, R12-C2	2 found, but 1 Moorpark was purchased. Patterson (row 50) was not found; one of these may be Patterson.
71	Apricot — Unknown Tag AT-Unk	1	No purchase record matched	R11-C2	Tag AT-Unk. The purchased Patterson (row 50) was not otherwise found.
72	Cherry — Bing Tag CR-Bing	2	Row 53: Bing (1); Row 54: Bing (1)	R9-C1, R9-C3	
73	Cherry — Black Tartarian Tag CR-Black T	2	Row 55: Black Tartarian (3); Row 56: Black Tartarian (1)	R10-C1, R10-C3	2 of 4 purchased found.
74	Cherry — Craigs Crimson Tag CR-Crimson	1	Row 57: Craig's Crimson (1)	Not at Prairie (Boise)	Still in Boise (girdled, mulched); not planned for Prairie.
75	Cherry — Hardy Giant Antique Tag CR-Hardy Antq	1	Row 58: Hardy Giant Antque Sweet (1)	R9-C7	
76	Cherry — Lapins Sweet Tag CR-Lapins	1	Row 59: Lapins (1)	R10-C2	
77	Cherry — Montmorency Tag CR-Mont	2	Row 60: Montmorency (2)	R10-C5, R10-C8	
78	Cherry — Nanking, Ian Tag CR-Ian Nan	2	Row 61: Nanking (bush) (3)	R9-C5, R9-C8	Nanking 'Ian' (2) and 'Jules' (1) together match the 3 purchased Nanking bushes.
79	Cherry — Nanking, Jules Tag CR-Juls Nan	1	Row 61: Nanking (bush) (3)	R10-C6	Nanking 'Ian' (2) and 'Jules' (1) together match the 3 purchased Nanking bushes.
80	Cherry — Royalton Sweet Tag CR-Royalton	1	Row 63: Royalton Sweet (1)	R9-C2 - DEAD (in its pot, before planting); open for a replacement in 2027	R9-C2: Royalton Sweet (tag CR-Royalton, inventory row 80) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Black Gold (cherry) in 2027, described in the planting plan.
81	Cherry — Sweet Tag CR-Sweet	3	No purchase record matched	R9-C6, R10-C4, R10-C7	Tag CR-Sweet. Purchased sweet cherries not otherwise found at Prairie: Black Tartarian 2, Regina 1, Sam 1.
82	Cherry — Sweet Stella Tag CR-Stella	1	Row 65: Stella (1)	R9-C4	
83	Peach — Blazing Star Tag PC-Blaz Star	1	Row 77: BlazingStar (1)	R12-C11 - DEAD (in its pot, before planting); open for a replacement in 2027	R12-C11: BlazingStar (tag PC-Blaz Star, inventory row 83) reported dead October 18, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Diamond (peach) in 2027, described in the planting plan.

Inventory row	Prairie inventory	Qty	Matched purchase record(s)	Plan / positions	Notes
84	Peach — Canadian Harmony Tag PC-Can Harm	1	Row 78: Canadian Harmony (1)	R11-C12 - DEAD (in its pot, before planting); open for a replacement in 2027	R11-C12: Canadian Harmony (tag PC-Can Harm, inventory row 84) reported dead October 18, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Contender (peach) in 2027, described in the planting plan.
85	Peach — Contender Tag PC-Contender	1	Row 79: Contender (2)	R11-C8	1 of 2 purchased found.
86	Peach — Elberta Tag PC-Elberta	1	Row 80: Elberta (2)	R12-C13	1 of 2 purchased found.
87	Peach — Frost Tag PC-Frost	1	Row 81: Frost (1)	R11-C11	
88	Peach — Hale Tag PC-Hale	1	Row 83: JH Hale (1)	R11-C10 - DEAD (in its pot, before planting); open for a replacement in 2027	R11-C10: JH Hale (tag PC-Hale, inventory row 88) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Intrepid (peach) in 2027, described in the planting plan.
89	Peach — Redhaven Tag PC-Rd Haven	1	Row 84: Redhaven (1)	R11-C9	
90	Peach — Reliance Tag PC-Reliance	2	Row 85: Reliance (1); Row 86: Reliance (1); Row 87: Reliance (1)	R11-C13, R12-C9	2 of 3 purchased found.
91	Peach — Unknown Tag PC-Unk	2	No purchase record matched	R12-C10, R12-C12	Tag PC-Unk. Purchased peaches not otherwise found at Prairie: Contender 1, Elberta 1, Reliance 1, Veteran 1.
92	Pear — Anjou Stan. Supreme Tag PR-Anjou	1	Row 89: Anjou (2)	R7-C5	Inventory rows 92 (Anjou) and 101 (D'Anjou) together hold 3 Anjou, but 2 were purchased.
93	Pear — Asian Hosui Tag PR-Asian H	1	Row 96: Hosui - Asian (1)	R8-C2	
94	Pear — Asian, Hardy Giant Tag PR-Asian	1	Row 105: Starking Hardy Giant - Asian (1)	R8-C3	
95	Pear — Asian, Shinseiki Tag PR-Shin Asian	1	Row 103: Shinseiki - Asian (1)	R7-C2	
96	Pear — Barnet Euro Tag PR-Barnet	1	Row 90: Barnett European Perry Pear (1)	R7-C7	
97	Pear — Bartlett Tag PR-Bart	2	Row 91: Bartlett (1); Row 92: Bartlett (1)	R8-C5, R8-C11	
98	Pear — Bartlett, Red Tag PR-R Bart	1	Row 102: Red Bartlett (1)	R7-C4	
99	Pear — Butt Euro Perry Tag PR-Butt Euro	1	Row 93: Butt European Perry Pear (1)	R7-C13	
100	Pear — Comice Tag PR-Comice	3	Row 94: Comice (3)	R7-C6, R7-C11, R8-C12	
101	Pear — D'Anjou Tag PR-D'an	2	Row 89: Anjou (2)	R8-C7, R8-C10	Inventory rows 92 (Anjou) and 101 (D'Anjou) together hold 3 Anjou, but 2 were purchased.
102	Pear — Delicious Tag PR-Delic	1	Row 104: Starking Delicious (1)	R8-C9	
103	Pear — Hendre Huffeap Tag PR-Hendre	2	Row 95: Hendre Huffcapp European Perry Pear (1)	R8-C4, R8-C8	2 found, but 1 was purchased. Thorn (row 107) was not found; one of these may be Thorn.
104	Pear — Kieffer Tag PR-Kief	1	Row 97: Keiffer (1)	R7-C12	
105	Pear — Moonglow Tag PR-Moon	1	Row 98: Moonglow (1)	R8-C6	
106	Pear — Olympic Giant Tag PR-Olympic	1	Row 99: Olympic Giant - Asian (1)	R7-C3	
107	Pear — Parker Tag PR-Parker	1	Row 100: Parker (1)	R7-C9	
108	Pear — Pineapple Tag PR-Pineap	1	Row 101: Pineapple (1)	R8-C1 - DEAD (in its pot, before planting); open for a replacement in 2027	R8-C1: Pineapple (tag PR-Pineap, inventory row 108) reported dead October 11, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Delight (pear) in 2027, described in the planting plan.

Inventory row	Prairie inventory	Qty	Matched purchase record(s)	Plan / positions	Notes
109	Pear — Summercrisp Tag PR-Sum Cris	2	Row 106: SummerCrisp (2)	R7-C8, R7-C10	
110	Pear — Yellow Huffcapp Tag PR- Yw Huffcapp	1	Row 108: Yellow Huffcapp European Perry Pear (1)	R7-C1	
111	Plum — Italian Lovell Tag PM- It Lov	3	Row 109: Italian Plum (2); Row 110: Italian Seedling (2)	R11-C6, R12-C5, R12-C6	3 of 4 found (2 named Italian plums, row 109; 2 Italian seedlings, row 110). Lovell is a peach rootstock, which suggests grafted trees; confirm whether any are seedlings.
112	Hican Tag hican	10	Row 69: Hican (10)	Not in the main orchard (nut tree)	
113	Pecan	4	Row 74: Pecan (Native Hardy) (10)	Not in the main orchard (nut tree)	4 of 10 purchased found.
114	Walnut — English Tag WL-Enligsh	4	No purchase record matched	Not in the main orchard (nut tree)	Not on the Fruit sheet. The inventory notes 3 are already planted.
115	Walnut — Heartnut Japanese Tag WL-Heart J	2	Row 68: Heartnut (2)	Not in the main orchard (nut tree)	

Also at Prairie but outside this plan. Berry bushes: Blackberry (various) 3, Hardy Kiwi 4, Sea Berry 11, Rasberry? 1. Perennials: Comfrey 25, Mint (various) 18, Rhubarb 15. Evergreens: Fir (Douglas) 2, Juniper (Eastern Red Ceder) 7, Juniper (Variety) 8, Pine (Austrian Black) 7, Pine (Ponderosa) 18, Pine (White) 2 (owner reports both died), Spruce (Blue) 4. Shade trees: Ash 3, Aspen (Trembling) 15, Maple (Sugar) 10, Maple 1, Oak (various) 8.

Apple Flowering-Group Research — September 24, 2026

Research covers the apple records that were missing flowering groups plus Harrison, mirrored from the dated notes in the Trees.xlsx F Group cells. Numbered assignments generally follow Orange Pippin; Foxwhelp follows Raintree, its recorded vendor; seed-grown Kerr uses an owner-approved best guess. Flowering groups are not universally standardized, and local bloom overlap still needs checking.

Apple / inventory record	Trees at Prairie	Workbook FG	Planning bloom / FG	Evidence, limitations, and sources
Blushing Delight Urban Columnar Fruit sheet row 6; R5-C10 is open; tree planned outside orchard, grid location pending	1	Not recorded	Midseason; FG ?	Raintree describes the Urban Apple series as midseason bloomers and recommends different Urban cultivars for one another. No numbered flowering group was verified for Blushing Delight. Raintree: Blushing Delight
Campfield Cider Apple Fruit sheet row 9; R5-C1	1	3	FG 3	Orange Pippin explicitly assigns Campfield to flowering group 3. Raintree independently lists bloom group 3 (midseason). Both refer to flowering, not harvest season. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Orange Pippin: Campfield (FG 3) Raintree: Campfield (bloom group 3)
Dolgo Crabapple Fruit sheet row 13; R4-C13	1	2	FG 2	Orange Pippin explicitly assigns the named Dolgo cultivar to flowering group 2 and describes early blossom. This assignment assumes these are the named cultivar, not unnamed seedlings. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Orange Pippin: Dolgo
Foxwhelp Cider Apple Fruit sheet row 15; R2-C1	1	3	FG 3	The workbook records RainTree as the vendor for this tree, supporting the owner-selected Raintree group 3 (midseason). Raintree identifies its stock as Sonoma/Geneva Foxwhelp (Fauxwhelp), not authenticated English Foxwhelp. Other sources describe different Foxwhelp material (Orange Pippin group 5; RV Roger group B); those classifications are not substituted for the recorded supplier. Confirm local bloom. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Raintree: Fauxwhelp stock (bloom group 3) Orange Pippin: generic Foxwhelp entry (group 5; identity caveat) RV Roger: Foxwhelp (lettered group B)
Frequin Rouge Cider Apple Fruit sheet row 17; R2-C13	1	4	FG 4*	Orange Pippin assigns Frequin Rouge to group 4, corroborated by Raintree (mid-late). Cummins instead lists group 5 in its five-group system and warns that the precise Frequin Rouge variant in North America is uncertain. Use 4 as the source-attributed planning value, not proof of local bloom or a reason to substitute another Frequin cultivar. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Orange Pippin: Frequin Rouge (FG 4) Raintree: Frequin Rouge (bloom group 4) Cummins: Frequin Rouge (group 5; variant uncertainty) Cummins: five-group bloom scheme
Harrison Fruit sheet row 26; R4-C12, R5-C11	2	3	FG 3*	Orange Pippin assigns Harrison to group 3, matching the existing Harrison workbook entry. The same assignment is used for Harrison Cider Apple, not a different pollen partner. Raintree instead lists group 4 (mid-late); retain this source difference and verify local bloom. Orange Pippin: Harrison (FG 3) Raintree: Harrison (bloom group 4)
Kerr Crab Seedling Fruit sheet row 33; R3-C1, R5-C13, R6-C1	3	2	FG 2?	BEST GUESS: group 2 is an owner-approved planning estimate based on the published group for the named Kerr cultivar. The owner confirmed the Kerr trees were grown from seed (3 are at Prairie), so they are genetically different from that cultivar and may bloom at different times, including from each other. This is not a verified assignment. Record each seedling's first, full, and final bloom alongside known cultivars and revise the group if needed. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Orange Pippin: named Kerr cultivar (FG 2 only for the cultivar) Iowa State Extension: apple seedlings do not come true to type

Apple / inventory record	Trees at Prairie	Workbook FG	Planning bloom / FG	Evidence, limitations, and sources
Tandgy green Urban Columnar Fruit sheet row 42; R4-C9 is open; tree planned outside orchard, grid location pending	1	Not recorded	Midseason; FG ?	The workbook spelling "Tandgy green" is treated as Tangy Green Urban Apple (AK-98); confirm the nursery label. Raintree gives midseason bloom guidance for the series and recommends other Urban cultivars. No numbered flowering group was verified. Raintree: Tangy Green
Tasty Red Urban Columnar Fruit sheet row 43; R5-C9 is open; tree planned outside orchard, grid location pending	1	Not recorded	Midseason; FG ?	Raintree explicitly describes Urban Apple varieties as midseason bloomers and recommends them for one another. No numbered flowering group was verified for Tasty Red. Raintree: Tasty Red

Pollination Layout Check

Counts use the same screening as the partner lists below. Self-fertile trees are not counted as needing cross-pollination. Unidentified trees and trees without bloom or compatibility data have no screened partner yet; proximity alone is not counted as evidence.

Fruit type	Rows	Trees	Need cross-pollination	With a screened candidate ≤ 50 ft	With 2 distinct candidates ≤ 50 ft	Triploid/disputed with 2 mutual donors ≤ 50 ft	No screened partner yet	Adjacent same-cultivar pairs
Apples	R1–R6	51	45	39 of 45	39 of 45	5 of 5	6	0
Pears	R7–R8	24	21	16 of 21	12 of 21	—	5	1
Cherries	R9–R10	15	11	4 of 11	0 of 11	—	7	0
Peaches	R11–R12	8	2	0 of 2	0 of 2	—	2	0
Apricots	R11–R12	5	1	0 of 1	0 of 1	—	1	0
Plums	R11–R12	3	0	0 of 0	0 of 0	—	0	3

Pollination Design Notes

All 106 living orchard fruit trees and 1 planted rootstock are placed once, honoring the inventory after owner planting updates. The 3 Urban apples are retained for outside-orchard planting, not counted as orchard pollen partners because their locations are pending. Each fruit type has its own rows except R11–R12, which the apricots, plums, and peaches share. Open positions (75 in all) are at the east ends, between the blocks in the shared rows, and across R13–R15, which are held for trees you buy or graft later, and at R4-C9, R5-C9, R5-C10, R8-C1, R9-C2, R11-C10, R11-C12, R12-C11 after the owner's planting updates; they are not additional trees.

Row layouts: apples in 5 rows (13 + 13 + 12 + 11 + 3) plus reserved R1 (13 spots); pears in 2 rows (13 + 11); cherries in 2 rows (7 + 8); apricots at the west end (3 + 2), plums at C6 in R11 and C5–C6 in R12 (1 + 2), and peaches at the east end (4 + 4) share R11–R12; R13–R15 are open for trees you buy or graft later. Single-type blocks start at the west end, and a type's shorter row sits against its fuller rows to keep partners close.

Within each type, positions were chosen by a search that uses the same screening rules shown on this page. It favors two distinct candidates within 50 ft, two mutually screened diploid donors for triploid and disputed apples, and separation of copies of the same cultivar. It is a screened arrangement, not a guarantee of the best possible one.

Apple candidates use the workbook pollitizer lists and same/adjacent flowering groups, supplemented by the linked bloom research. The three Urban apples also use Raintree's within-series recommendation. Known triploids, disputed Liberty, unidentified trees, and unverified pollen donors are excluded as suppliers. Fuji/Aztec/Auvil, Honeycrisp/Super Red, and Bartlett/Red Bartlett count as shared cultivar identities.

Pear bloom charts are a screening tool, not proof of cross-compatibility. Asian pears are grouped without assuming European pears will pollinate them, and perry pears with different bloom windows are not treated as interchangeable.

Sweet cherries use compatibility groups plus same/adjacent bloom periods. Lapins is the only identified sweet cherry within one bloom period of both Black Tartarian and Bing, so the sweet cherries are grouped around it. Stella is not relied on for Bing. Montmorency is a self-fertile tart cherry, and the Nanking bushes are kept together and are not sweet-cherry donors.

J.H. Hale was the only peach needing a partner, and it died (owner report, Oct 17). The remaining identified peaches are self-fertile; unidentified peaches are not counted as donors.

12 unidentified trees (6 apples, 3 sweet cherries, 2 peaches, 1 apricot) are placed among identified trees of their type but are not counted as donors until identified.

21 trees that are not self-fertile still have no screened partner, mostly unidentified trees and trees missing bloom or compatibility data. They are marked unconfirmed below; proximity alone is not counted as pollination evidence.

Row	Fruit type	Trees	Open	Placement notes
R1	Apple (reserved)	0 (13 reserved)	0	Reserved for 13 grafted rootstock apples; 14 rootstocks remain available (2 EMLA 7, 11 M-111, 1 unknown), after the M-111 planted at R6-C3. Choose scion varieties whose bloom overlaps the apples in the next rows.
R2	Apple	13	0	Planning bloom: FG 3, FG 4, FG 4*.
R3	Apple	13	0	Planning bloom: FG 2?, FG 3, FG 4, FG ?.
R4	Apple	12	1	Planning bloom: FG 1, FG 2, FG 3, FG 3*, FG 4, FG ?. R4-C9: Tandgy green Urban Columnar (tag AL-UrbGrn, inventory row 64) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Haralson (apple) in 2027, described in the planting plan.
R5	Apple	11	2	Planning bloom: FG 1, FG 2, FG 2?, FG 3, FG 3*. R5-C9: Tasty Red Urban Columnar (tag AL-UrbR, inventory row 65) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Williams' Pride (apple) in 2027, described in the planting plan. R5-C10: Blushing Delight Urban Columnar (tag AL-UrbGld, inventory row 63) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Priscilla (apple) in 2027, described in the planting plan.
R6	Apple	3	10	Planning bloom: FG 2?, FG 3. M-111 apple rootstock planted at R6-C3. No scion cultivar is recorded; not counted as a fruit tree or pollen partner until grafting and cultivar identification are recorded.
R7	Pear	13	0	European/perry bloom windows and the Asian group checked separately.

Row	Fruit type	Trees	Open	Placement notes
R8	Pear	11	2	European/perry bloom windows and the Asian group checked separately. R8-C1: Pineapple (tag PR-Pineap, inventory row 108) reported dead October 11, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Delight (pear) in 2027, described in the planting plan.
R9	Cherry	7	6	Sweet cherries grouped around Lapins; tart and Nanking kept out of the sweet-cherry network. R9-C2: Royalton Sweet (tag CR-Royalton, inventory row 80) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Black Gold (cherry) in 2027, described in the planting plan.
R10	Cherry	8	5	Sweet cherries grouped around Lapins; tart and Nanking kept out of the sweet-cherry network.
R11	Apricot, plum, and peach (shared)	8	5	Apricots C1–C3 at the west end, plum C6, and peaches C8, C9, C11, C13 at the east end. Compact block of self-fertile apricots. Italian plums, self-fertile. All identified peaches are self-fertile (J.H. Hale died).
R12	Apricot, plum, and peach (shared)	8	5	Apricots C1–C2 at the west end, plums C5–C6, and peaches C9, C10, C12, C13 at the east end. Compact block of self-fertile apricots. Italian plums, self-fertile. All identified peaches are self-fertile (J.H. Hale died).
R13	Future trees	0	13	Held open for trees you buy or graft onto your rootstock later. Apples grafted here would be 140 ft from the nearest apples (R6), so plant at least two cultivars with overlapping bloom together.
R14	Future trees	0	13	Held open for trees you buy or graft onto your rootstock later. Apples grafted here would be 160 ft from the nearest apples (R6), so plant at least two cultivars with overlapping bloom together.
R15	Future trees	0	13	Held open for trees you buy or graft onto your rootstock later. Apples grafted here would be 180 ft from the nearest apples (R6), so plant at least two cultivars with overlapping bloom together.

Priority Pollination Pairings

Trees that are not self-fertile, plus triploid or disputed apples. Candidates are screened by fruit type, bloom timing, and recorded compatibility; distances are between tree centers.

Tree needing pollen	Position	Nearby candidates	Evidence / limitation
Foxwhelp Cider Apple	R2-C1	Braeburn (R2-C2, 18.0 ft) - Bloom-group candidate; Cortland (R3-C2, 21.9 ft) - Workbook-listed + bloom group	The workbook records RainTree as the vendor for this tree, supporting the owner-selected Raintree group 3 (midseason). Raintree identifies its stock as Sonoma/Geneva Foxwhelp (Fauxwhelp), not authenticated English Foxwhelp. Other sources describe different Foxwhelp material (Orange Pippin group 5; RV Roger group B); those classifications are not substituted for the recorded supplier. Confirm local bloom. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it.
Jonagold	R2-C3	Braeburn (R2-C2, 18.0 ft) - Bloom-group candidate; Fuji (R2-C4, 18.0 ft) - Workbook-listed + bloom group	Triploid: not a pollen donor. Two distinct, mutually screened diploid candidates required.
Fuji	R2-C4	Honeycrisp (R2-C5, 18.0 ft) - Workbook-listed + bloom group; Pink Lady (Cripps Pink) (R3-C5, 21.9 ft) - Workbook-listed + bloom group	Confirm overlapping bloom locally before relying on these candidates.
Honeycrisp	R2-C5	Cortland (R2-C6, 18.0 ft) - Bloom-group candidate; Fuji (R2-C4, 18.0 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Cortland	R2-C6	Honeycrisp (R2-C5, 18.0 ft) - Workbook-listed + bloom group; Pink Lady (Cripps Pink) (R2-C7, 18.0 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Pink Lady (Cripps Pink)	R2-C7	Cortland (R2-C6, 18.0 ft) - Bloom-group candidate; Honeycrisp (R3-C8, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Jonagold	R2-C8	Gala (R2-C9, 18.0 ft) - Workbook-listed + bloom group; Pink Lady (Cripps Pink) (R2-C7, 18.0 ft) - Workbook-listed + bloom group	Triploid: not a pollen donor. Two distinct, mutually screened diploid candidates required.
Arkansas Black Spur (FT015)	R2-C10	Cox's Orange Pippin (R2-C11, 18.0 ft) - Bloom-group candidate; Gala (R2-C9, 18.0 ft) - Bloom-group candidate	Triploid: not a pollen donor. Two distinct, mutually screened diploid candidates required.
Franklin Cider	R2-C12	Cox's Orange Pippin (R2-C11, 18.0 ft) - Workbook-listed + bloom group; Newtown Pippin (R3-C13, 21.9 ft) - Workbook-listed + bloom group	Confirm overlapping bloom locally before relying on these candidates.
Frequin Rouge Cider Apple	R2-C13	Franklin Cider (R2-C12, 18.0 ft) - Bloom-group candidate; Newtown Pippin (R3-C13, 21.9 ft) - Workbook-listed + bloom group	Orange Pippin assigns Frequin Rouge to group 4, corroborated by Raintree (mid-late). Cummins instead lists group 5 in its five-group system and warns that the precise Frequin Rouge variant in North America is uncertain. Use 4 as the source-attributed planning value, not proof of local bloom or a reason to substitute another Frequin cultivar. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it.
Kerr Crab Seedling	R3-C1	Cortland (R3-C2, 18.0 ft) - Bloom-group candidate; provisional flowering group; Cox's Orange Pippin (R4-C1, 21.9 ft) - Bloom-group candidate; provisional flowering group	BEST GUESS: group 2 is an owner-approved planning estimate based on the published group for the named Kerr cultivar. The owner confirmed the Kerr trees were grown from seed (3 are at Prairie), so they are genetically different from that cultivar and may bloom at different times, including from each other. This is not a verified assignment. Record each seedling's first, full, and final bloom alongside known cultivars and revise the group if needed. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it.
Cortland	R3-C2	Kingston Black (R3-C3, 18.0 ft) - Workbook-listed + bloom group; Braeburn (R2-C2, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Kingston Black	R3-C3	Cortland (R3-C2, 18.0 ft) - Bloom-group candidate; Braeburn (R2-C2, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Mutsu Crispin	R3-C4	Kingston Black (R3-C3, 18.0 ft) - Bloom-group candidate; Pink Lady (Cripps Pink) (R3-C5, 18.0 ft) - Bloom-group candidate	Triploid: not a pollen donor. Two distinct, mutually screened diploid candidates required.
Pink Lady (Cripps Pink)	R3-C5	Aztec Fuji (R3-C6, 18.0 ft) - Bloom-group candidate; Golden Delicious (R4-C4, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Aztec Fuji	R3-C6	Pink Lady (Cripps Pink) (R3-C5, 18.0 ft) - Bloom-group candidate; Cortland (R2-C6, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Unidentified apple	R3-C7	Unconfirmed — no screened partner in the available data.	Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners.
Honeycrisp	R3-C8	Aztec Fuji (R3-C9, 18.0 ft) - Bloom-group candidate; Pink Lady (Cripps Pink) (R2-C7, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Aztec Fuji	R3-C9	GoldRush (R3-C10, 18.0 ft) - Bloom-group candidate; Honeycrisp (R3-C8, 18.0 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
GoldRush	R3-C10	Red Delicious (R3-C11, 18.0 ft) - Bloom-group candidate; Aztec Fuji (R3-C9, 18.0 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Red Delicious	R3-C11	GoldRush (R3-C10, 18.0 ft) - Bloom-group candidate; Cox's Orange Pippin (R2-C11, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.

Tree needing pollen	Position	Nearby candidates	Evidence / limitation
Unidentified apple	R3-C12	Unconfirmed — no screened partner in the available data.	Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners.
Unidentified apple	R4-C2	Unconfirmed — no screened partner in the available data.	Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners.
Honeycrisp (Super Red)	R4-C3	Golden Delicious (R4-C4, 18.0 ft) - Bloom-group candidate; Hudson's Golden Gem (R5-C3, 21.9 ft) - Workbook-listed + bloom group	Confirm overlapping bloom locally before relying on these candidates.
Golden Delicious	R4-C4	Honeycrisp (Super Red) (R4-C3, 18.0 ft) - Workbook-listed + bloom group; Pink Lady (Cripps Pink) (R3-C5, 21.9 ft) - Workbook-listed + bloom group	Confirm overlapping bloom locally before relying on these candidates.
Unidentified apple	R4-C5	Unconfirmed — no screened partner in the available data.	Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners.
Zestar	R4-C6	Wickson Crab (R4-C7, 18.0 ft) - Bloom-group candidate; Macintosh (R5-C7, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Wickson Crab	R4-C7	Zestar (R4-C6, 18.0 ft) - Bloom-group candidate; Macintosh (R5-C7, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Unidentified apple	R4-C8	Unconfirmed — no screened partner in the available data.	Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners.
Unidentified apple	R4-C10	Unconfirmed — no screened partner in the available data.	Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners.
Auvil Early Fuji	R4-C11	Harrison (R4-C12, 18.0 ft) - Bloom-group candidate; CrimsonCrisp (R5-C12, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Harrison	R4-C12	Auvil Early Fuji (R4-C11, 18.0 ft) - Bloom-group candidate; CrimsonCrisp (R5-C12, 21.9 ft) - Bloom-group candidate	Orange Pippin assigns Harrison to group 3, matching the existing Harrison workbook entry. The same assignment is used for Harrison Cider Apple, not a different pollen partner. Raintree instead lists group 4 (mid-late); retain this source difference and verify local bloom.
Dolgo Crabapple	R4-C13	Harrison (R4-C12, 18.0 ft) - Workbook-listed + bloom group; Newtown Pippin (R3-C13, 21.9 ft) - Workbook-listed + bloom group	Orange Pippin explicitly assigns the named Dolgo cultivar to flowering group 2 and describes early blossom. This assignment assumes these are the named cultivar, not unnamed seedlings. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it.
Campfield Cider Apple	R5-C1	Idared (R5-C2, 18.0 ft) - Bloom-group candidate; Cox's Orange Pippin (R4-C1, 21.9 ft) - Workbook-listed + bloom group	Orange Pippin explicitly assigns Campfield to flowering group 3. Raintree independently lists bloom group 3 (midseason). Both refer to flowering, not harvest season. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it.
Idared	R5-C2	Hudson's Golden Gem (R5-C3, 18.0 ft) - Workbook-listed + bloom group; Cox's Orange Pippin (R4-C1, 21.9 ft) - Workbook-listed + bloom group	Confirm overlapping bloom locally before relying on these candidates.
Hudson's Golden Gem	R5-C3	Idared (R5-C2, 18.0 ft) - Bloom-group candidate; Granny Smith (R6-C2, 21.9 ft) - Workbook-listed + bloom group	Confirm overlapping bloom locally before relying on these candidates.
Liberty	R5-C4	Hudson's Golden Gem (R5-C3, 18.0 ft) - Bloom-group candidate; Sweet Sixteen (R5-C5, 18.0 ft) - Bloom-group candidate	Liberty ploidy/donor status is disputed. Excluded as a donor; given two diploid candidates.
Sweet Sixteen	R5-C5	Cortland (R5-C6, 18.0 ft) - Bloom-group candidate; Golden Delicious (R4-C4, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Cortland	R5-C6	Macintosh (R5-C7, 18.0 ft) - Bloom-group candidate; Sweet Sixteen (R5-C5, 18.0 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Macintosh	R5-C7	Cortland (R5-C6, 18.0 ft) - Bloom-group candidate; Zestar (R5-C8, 18.0 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Zestar	R5-C8	Macintosh (R5-C7, 18.0 ft) - Bloom-group candidate; Wickson Crab (R4-C7, 21.9 ft) - Bloom-group candidate	Confirm overlapping bloom locally before relying on these candidates.
Harrison	R5-C11	CrimsonCrisp (R5-C12, 18.0 ft) - Bloom-group candidate; Auvil Early Fuji (R4-C11, 21.9 ft) - Bloom-group candidate	Orange Pippin assigns Harrison to group 3, matching the existing Harrison workbook entry. The same assignment is used for Harrison Cider Apple, not a different pollen partner. Raintree instead lists group 4 (mid-late); retain this source difference and verify local bloom.
CrimsonCrisp	R5-C12	Harrison (R5-C11, 18.0 ft) - Workbook-listed + bloom group; Auvil Early Fuji (R4-C11, 21.9 ft) - Workbook-listed + bloom group	Confirm overlapping bloom locally before relying on these candidates.
Kerr Crab Seedling	R5-C13	CrimsonCrisp (R5-C12, 18.0 ft) - Bloom-group candidate; provisional flowering group; Harrison (R4-C12, 21.9 ft) - Bloom-group candidate; provisional flowering group	BEST GUESS: group 2 is an owner-approved planning estimate based on the published group for the named Kerr cultivar. The owner confirmed the Kerr trees were grown from seed (3 are at Prairie), so they are genetically different from that cultivar and may bloom at different times, including from each other. This is not a verified assignment. Record each seedling's first, full, and final bloom alongside known cultivars and revise the group if needed. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it.

Tree needing pollen	Position	Nearby candidates	Evidence / limitation
Kerr Crab Seedling	R6-C1	Granny Smith (R6-C2, 18.0 ft) - Bloom-group candidate; provisional flowering group; Idared (R5-C2, 21.9 ft) - Bloom-group candidate; provisional flowering group	BEST GUESS: group 2 is an owner-approved planning estimate based on the published group for the named Kerr cultivar. The owner confirmed the Kerr trees were grown from seed (3 are at Prairie), so they are genetically different from that cultivar and may bloom at different times, including from each other. This is not a verified assignment. Record each seedling's first, full, and final bloom alongside known cultivars and revise the group if needed. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it.
Yellow Huffcapp European Perry Pear	R7-C1	Unconfirmed — no screened partner in the available data.	Yellow Huffcap bloom and compatibility need confirmation; do not assume all perry pears overlap.
Shinseiki - Asian	R7-C2	Unconfirmed — no screened partner in the available data.	Shinseiki is grouped near the other Asian pears; a named compatible pair remains unconfirmed.
Olympic Giant - Asian	R7-C3	Unconfirmed — no screened partner in the available data.	Confirm Asian-pear nursery identity and bloom. The two Giant selections are not counted as independent partners.
Red Bartlett	R7-C4	Anjou (R7-C5, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Hendre Huffcapp European Perry Pear (R8-C4, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Anjou	R7-C5	Comice (R7-C6, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Red Bartlett (R7-C4, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Barnett European Perry Pear	R7-C7	Unconfirmed — no screened partner in the available data.	Confirm whether Barnett is Barnet. Barnet is very late in the perry chart; no partner is assumed.
SummerCrisp	R7-C8	Parker (R7-C9, 18.0 ft) - Nursery-recommended Parker for Summercrisp; confirm local bloom	Confirm overlapping bloom locally before relying on these candidates.
Parker	R7-C9	Unconfirmed — no screened partner in the available data.	Parker is recommended for Summercrisp; the reverse pairing was not verified.
SummerCrisp	R7-C10	Parker (R7-C9, 18.0 ft) - Nursery-recommended Parker for Summercrisp; confirm local bloom	Confirm overlapping bloom locally before relying on these candidates.
Keiffer	R7-C12	Comice (R7-C11, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Butt European Perry Pear (R7-C13, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Butt European Perry Pear	R7-C13	Keiffer (R7-C12, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Comice (R8-C12, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility	Perry bloom window is from UK observations; confirm cultivar identity, local bloom, and genetic compatibility.
Hosui - Asian	R8-C2	Starking Hardy Giant - Asian (R8-C3, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Starking Hardy Giant - Asian	R8-C3	Hosui - Asian (R8-C2, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm Asian-pear nursery identity and bloom. The two Giant selections are not counted as independent partners.
Hendre Huffcapp European Perry Pear	R8-C4	Bartlett (R8-C5, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Anjou (R7-C5, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility	Perry bloom window is from UK observations; confirm cultivar identity, local bloom, and genetic compatibility.
Bartlett	R8-C5	Hendre Huffcapp European Perry Pear (R8-C4, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Moonglow (R8-C6, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Moonglow	R8-C6	Anjou (R8-C7, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Bartlett (R8-C5, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Anjou	R8-C7	Hendre Huffcapp European Perry Pear (R8-C8, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Moonglow (R8-C6, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Hendre Huffcapp European Perry Pear	R8-C8	Anjou (R8-C7, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Starking Delicious (R8-C9, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Perry bloom window is from UK observations; confirm cultivar identity, local bloom, and genetic compatibility.
Starking Delicious	R8-C9	Anjou (R8-C10, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Hendre Huffcapp European Perry Pear (R8-C8, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Anjou	R8-C10	Starking Delicious (R8-C9, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Bartlett (R8-C11, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Bartlett	R8-C11	Comice (R8-C12, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Anjou (R8-C10, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	Confirm overlapping bloom locally before relying on these candidates.
Bing	R9-C1	Lapins (R10-C2, 33.6 ft) - Cherry compatibility + bloom chart; confirm local overlap	Treat Bing as cross-pollination dependent. Stella is conservatively excluded as its donor.
Bing	R9-C3	Lapins (R10-C2, 21.9 ft) - Cherry compatibility + bloom chart; confirm local overlap	Treat Bing as cross-pollination dependent. Stella is conservatively excluded as its donor.
Nanking (bush)	R9-C5	Unconfirmed — no screened partner in the available data.	Nanking bush cherry: needs a genetically different Nanking with overlapping bloom and is not a sweet-cherry pollen donor. The Ian and Jules plants are kept together in case they are different seedling lines.
Unidentified sweet cherry	R9-C6	Unconfirmed — no screened partner in the available data.	Unidentified sweet cherry, possibly one of the purchased Black Tartarian, Regina, or Sam trees not otherwise found. Its compatibility group is unknown, so it is not counted as a donor until identified.
Hardy Giant Antque Sweet	R9-C7	Unconfirmed — no screened partner in the available data.	Sweet-cherry donor compatibility was not verified; do not rely on this tree to supply other varieties.
Nanking (bush)	R9-C8	Unconfirmed — no screened partner in the available data.	Nanking bush cherry: needs a genetically different Nanking with overlapping bloom and is not a sweet-cherry pollen donor. The Ian and Jules plants are kept together in case they are different seedling lines.
Black Tartarian	R10-C1	Lapins (R10-C2, 18.0 ft) - Cherry compatibility + bloom chart; confirm local overlap	Black Tartarian blooms very early; Lapins is its only identified donor in an adjacent bloom period. Two of the four purchased Black Tartarians were not found and may be among the unidentified sweet cherries.

Tree needing pollen	Position	Nearby candidates	Evidence / limitation
Black Tartarian	R10-C3	Lapins (R10-C2, 18.0 ft) - Cherry compatibility + bloom chart; confirm local overlap	Black Tartarian blooms very early; Lapins is its only identified donor in an adjacent bloom period. Two of the four purchased Black Tartarians were not found and may be among the unidentified sweet cherries.
Unidentified sweet cherry	R10-C4	Unconfirmed — no screened partner in the available data.	Unidentified sweet cherry, possibly one of the purchased Black Tartarian, Regina, or Sam trees not otherwise found. Its compatibility group is unknown, so it is not counted as a donor until identified.
Nanking (bush)	R10-C6	Unconfirmed — no screened partner in the available data.	Nanking bush cherry: needs a genetically different Nanking with overlapping bloom and is not a sweet-cherry pollen donor. The Ian and Jules plants are kept together in case they are different seedling lines.
Unidentified sweet cherry	R10-C7	Unconfirmed — no screened partner in the available data.	Unidentified sweet cherry, possibly one of the purchased Black Tartarian, Regina, or Sam trees not otherwise found. Its compatibility group is unknown, so it is not counted as a donor until identified.
Unidentified apricot	R11-C2	Unconfirmed — no screened partner in the available data.	Unidentified apricot, possibly the purchased Patterson (self-fertile in the workbook). Confirm its identity.
Unidentified peach	R12-C10	Unconfirmed — no screened partner in the available data.	Unidentified peach, possibly Contender, Elberta, Reliance, or Veteran. Not counted as a pollen donor until identified.
Unidentified peach	R12-C12	Unconfirmed — no screened partner in the available data.	Unidentified peach, possibly Contender, Elberta, Reliance, or Veteran. Not counted as a pollen donor until identified.

Full Tree Inventory by Row

Living orchard trees and records of vacated planting positions, south (R1) to north and west (C1) to east. Dead and outside-orchard trees retain their original planned slots as history; those slots are open, not their current locations. They are excluded from orchard counts and pollen partners. The planted M-111 rootstock occupies R6-C3 but is not counted as a fruit tree or pollen partner without a recorded scion cultivar. The Pineapple's open slot moved from R8-C3 to R8-C1 when the owner found the Asian pear (PR-Asian) in R8-C3. Original workbook fertility values are retained. Spot SiteRef identifies the listed planned or vacated orchard position, not an outside-orchard tree's current location. It is generated from the shared grid coordinates and is separate from the metal tag and individual Plant ID.

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R2-C1	A12-E47-S15	FOX	Foxwhelp Cider Apple Tag AL-Foxwhelp; inventory name: Foxwhelp Cider Late; crimson-striped; bittersharp cider apple Cultivar profile	Apple	Semi Dwarf	FG 3	Not recorded	Planted The workbook records RainTree as the vendor for this tree, supporting the owner-selected Raintree group 3 (midseason). Raintree identifies its stock as Sonoma/Geneva Foxwhelp (Fauxwhelp), not authenticated English Foxwhelp. Other sources describe different Foxwhelp material (Orange Pippin group 5; RV Roger group B); those classifications are not substituted for the recorded supplier. Confirm local bloom. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Braeburn (R2-C2, 18.0 ft) - Bloom-group candidate; Cortland (R3-C2, 21.9 ft) - Workbook-listed + bloom group Bloom research and sources	39 (15)
R2-C2	B12-E15-S15	BB	Braeburn Tag AL-Brae Dwf; inventory name: Braeburn Dwarf Late; red-orange streaks; crisp, tangy-sweet Cultivar profile	Apple	Not recorded (tag says Dwarf)	FG 4	Self-fertile	Self-fertile Planted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Cortland (R3-C2, 21.9 ft) - Workbook-listed + bloom group; Kingston Black (R3-C3, 21.9 ft) - Bloom-group candidate Inventory match: 1 of 2 purchased Braeburns found. The tag says Dwarf, so it is matched to the Lowes tree with no recorded rootstock (row 8) rather than the M-111 tree (row 7).	27 (8, 7)
R2-C3	B12-E33-S15	JG	Jonagold Tag AL-Jon G; inventory name: Jonagold Late; large red-over-gold; honeyed sweet-tart; triploid Cultivar profile	Apple	Semi Dwarf	FG 4	Not self-fertile	Triploid Planted Triploid: not a pollen donor. Two distinct, mutually screened diploid candidates required. Braeburn (R2-C2, 18.0 ft) - Bloom-group candidate; Fuji (R2-C4, 18.0 ft) - Workbook-listed + bloom group	53 (32)
R2-C4	C12-E1-S15	FJ	Fuji Tag AL-Fuji; inventory name: Fuji Very late; pink-red stripes; sweet, crisp, long keeper Cultivar profile	Apple	Semi Dwarf	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Honeycrisp (R2-C5, 18.0 ft) - Workbook-listed + bloom group; Pink Lady (Cripps Pink) (R3-C5, 21.9 ft) - Workbook-listed + bloom group Inventory match: Same tag text (AL-Fuji) as the Early Fuji; check the variety label when planting.	42 (18)
R2-C5	C12-E19-S15	HC	Honeycrisp Tag AL-Hon Cris; inventory name: Honeycrisp Mid; red-orange flush; very crisp, sweet Cultivar profile	Apple	M-111	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Cortland (R2-C6, 18.0 ft) - Bloom-group candidate; Fuji (R2-C4, 18.0 ft) - Bloom-group candidate Inventory match: 2 of 3 purchased found.	49 (28)
R2-C6	C12-E37-S15	CL	Cortland Tag AL-Cort/ AL-Cortland; inventory name: Cortland Mid; red-streaked; white flesh slow to brown Cultivar profile	Apple	M-111	FG 3	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Honeycrisp (R2-C5, 18.0 ft) - Workbook-listed + bloom group; Pink Lady (Cripps Pink) (R2-C7, 18.0 ft) - Bloom-group candidate Inventory match: 3 of 5 purchased found.	29 (10)
R2-C7	D12-E5-S15	PL	Pink Lady (Cripps Pink) Tag AL-Pink/ AL-Pink Lady; inventory name: Pink Lady Very late; pink blush on yellow; crisp, sweet-tart Cultivar profile	Apple	Not recorded	FG 3	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Cortland (R2-C6, 18.0 ft) - Bloom-group candidate; Honeycrisp (R3-C8, 21.9 ft) - Bloom-group candidate	59 (39)
R2-C8	D12-E23-S15	JG	Jonagold Tag AL-Jon G; inventory name: Jonagold Late; large red-over-gold; honeyed sweet-tart; triploid Cultivar profile	Apple	Semi Dwarf	FG 4	Not self-fertile	Triploid Planted Triploid: not a pollen donor. Two distinct, mutually screened diploid candidates required. Gala (R2-C9, 18.0 ft) - Workbook-listed + bloom group; Pink Lady (Cripps Pink) (R2-C7, 18.0 ft) - Workbook-listed + bloom group	53 (32)
R2-C9	D12-E41-S15	GL	Gala Tag AL-Gala; inventory name: Gala Early; orange-red streaks; mild, sweet Cultivar profile	Apple	M-111	FG 4	Self-fertile	Self-fertile Planted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Aztec Fuji (R3-C9, 21.9 ft) - Workbook-listed + bloom group; GoldRush (R3-C10, 21.9 ft) - Workbook-listed + bloom group Inventory match: 1 of 2 purchased found.	45 (19, 20)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R2-C10	E12-E9-S15	AB	Arkansas Black Spur (FT015) Tag AL-Ark Blk; inventory name: Arkansas Black Very late; dark red-black; tart, firm, long keeper Cultivar profile	Apple	M-111	FG 3	Not self-fertile	Triploid Planted Triploid: not a pollen donor. Two distinct, mutually screened diploid candidates required. Cox's Orange Pippin (R2-C11, 18.0 ft) - Bloom-group candidate; Gala (R2-C9, 18.0 ft) - Bloom-group candidate	26 (2)
R2-C11	E12-E27-S15	CO	Cox's Orange Pippin Tag AL-O Pip; inventory name: Cox Orange Pippin Mid; orange-red flush; aromatic, sweet-tart; fussy Cultivar profile	Apple	M-7	FG 3	Self-fertile	Self-fertile Planted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Franklin Cider (R2-C12, 18.0 ft) - Bloom-group candidate; Red Delicious (R3-C11, 21.9 ft) - Bloom-group candidate	30 (11)
R2-C12	E12-E45-S15	FC	Franklin Cider Tag AL-Frank C; inventory name: Franklin Cider Late; russeted green-yellow; bittersharp cider apple Cultivar profile	Apple	Semi Dwarf	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Cox's Orange Pippin (R2-C11, 18.0 ft) - Workbook-listed + bloom group; Newtown Pippen (R3-C13, 21.9 ft) - Workbook-listed + bloom group	40 (16)
R2-C13	F12-E13-S15	FRQ	Frequin Rouge Cider Apple Tag AL-Frequin; inventory name: Frequin Rouge Mid; small red-striped; bittersweet French cider apple Cultivar profile	Apple	Semi Dwarf	FG 4*	Not recorded	Planted Orange Pippin assigns Frequin Rouge to group 4, corroborated by Raintree (mid-late). Cummins instead lists group 5 in its five-group system and warns that the precise Frequin Rouge variant in North America is uncertain. Use 4 as the source-attributed planning value, not proof of local bloom or a reason to substitute another Frequin cultivar. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Franklin Cider (R2-C12, 18.0 ft) - Bloom-group candidate; Newtown Pippen (R3-C13, 21.9 ft) - Workbook-listed + bloom group Bloom research and sources	41 (17)
R3-C1	A11-E38-S45	KER	Kerr Crab Seedling Tag AL-Kerr Crab; inventory name: Crabapple, Kerr Mid; crimson-maroon crab; crisp, tart-sweet; keeps Cultivar profile	Apple	Not recorded	FG 2?	Not recorded	Planted BEST GUESS: group 2 is an owner-approved planning estimate based on the published group for the named Kerr cultivar. The owner confirmed the Kerr trees were grown from seed (3 are at Prairie), so they are genetically different from that cultivar and may bloom at different times, including from each other. This is not a verified assignment. Record each seedling's first, full, and final bloom alongside known cultivars and revise the group if needed. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Cortland (R3-C2, 18.0 ft) - Bloom-group candidate; provisional flowering group; Cox's Orange Pippin (R4-C1, 21.9 ft) - Bloom-group candidate; provisional flowering group Inventory match: 3 found, but 2 were purchased. All are seed-grown, so each may bloom differently. Bloom research and sources	32 (33)
R3-C2	B11-E6-S45	CL	Cortland Tag AL-Cort/ AL-Cortland; inventory name: Cortland Mid; red-streaked; white flesh slow to brown Cultivar profile	Apple	M-111	FG 3	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Kingston Black (R3-C3, 18.0 ft) - Workbook-listed + bloom group; Braeburn (R2-C2, 21.9 ft) - Bloom-group candidate Inventory match: 3 of 5 purchased found.	29 (10)
R3-C3	B11-E24-S45	KB	Kingston Black Tag AL-G Orch-7; inventory name: Kingston Black Late; dark red, russeted; bittersharp cider apple Cultivar profile	Apple	M-7	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Cortland (R3-C2, 18.0 ft) - Bloom-group candidate; Braeburn (R2-C2, 21.9 ft) - Bloom-group candidate Inventory match: Tag AL-G Orch-7 (Grandpa's Orchard, M-7) matches the workbook.	54 (34)
R3-C4	B11-E42-S45	MC	Mutsu Crispin Tag AL-Crisp; inventory name: Crispin Late; big yellow-green; crisp, honeyed; triploid Cultivar profile	Apple	M-111	FG 3	Not self-fertile	Triploid Planted Triploid: not a pollen donor. Two distinct, mutually screened diploid candidates required. Kingston Black (R3-C3, 18.0 ft) - Bloom-group candidate; Pink Lady (Cripps Pink) (R3-C5, 18.0 ft) - Bloom-group candidate	35 (37)
R3-C5	C11-E10-S45	PL	Pink Lady (Cripps Pink) Tag AL-Pink/ AL-Pink Lady; inventory name: Pink Lady Very late; pink blush on yellow; crisp, sweet-tart Cultivar profile	Apple	Not recorded	FG 3	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Aztec Fuji (R3-C6, 18.0 ft) - Bloom-group candidate; Golden Delicious (R4-C4, 21.9 ft) - Bloom-group candidate	59 (39)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R3-C6	C11-E28-S45	FA	Aztec Fuji Tag AL-Az Fuji; inventory name: Fuji Aztec Very late; deep pink-red; very sweet, long keeper Cultivar profile	Apple	Semi Dwarf or Dwarf	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Pink Lady (Cripps Pink) (R3-C5, 18.0 ft) - Bloom-group candidate; Cortland (R2-C6, 21.9 ft) - Bloom-group candidate Inventory match: 2 of 3 purchased found (row 4: 1 semi-dwarf; row 5: 2 dwarf); the inventory does not say which.	43 (4, 5)
R3-C7	C11-E46-S45	UNK	Unidentified apple Tag AL-UnKn; inventory name: Unknown	Apple	Not recorded	FG ?	Not recorded	UnidentifiedPlanted Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners. Unconfirmed — no screened partner in the available data. Inventory match: Tag AL-UnKn. Owner (Oct 16, 2026): every purchased apple arrived, so a purchase with no tagged tree is presumed to have died in Boise, unrecorded. These 6 are among the 11 purchased apples with no tagged tree: Braeburn 1, Cortland 2, Dolgo 1 (long shot), Empire 1, Aztec Fuji 1, Gala 1, Golden Russet 1, Honeycrisp 1, Sweet Sixteen 1, Zestar 1. Identify them at bloom or harvest using the possibility list. Unidentified apple possibility list	62
R3-C8	D11-E14-S45	HC	Honeycrisp Tag AL-Hon Cris; inventory name: Honeycrisp Mid; red-orange flush; very crisp, sweet Cultivar profile	Apple	M-111	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Aztec Fuji (R3-C9, 18.0 ft) - Bloom-group candidate; Pink Lady (Cripps Pink) (R2-C7, 21.9 ft) - Bloom-group candidate Inventory match: 2 of 3 purchased found.	49 (28)
R3-C9	D11-E32-S45	FA	Aztec Fuji Tag AL-Az Fuji; inventory name: Fuji Aztec Very late; deep pink-red; very sweet, long keeper Cultivar profile	Apple	Semi Dwarf or Dwarf	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. GoldRush (R3-C10, 18.0 ft) - Bloom-group candidate; Honeycrisp (R3-C8, 18.0 ft) - Bloom-group candidate Inventory match: 2 of 3 purchased found (row 4: 1 semi-dwarf; row 5: 2 dwarf); the inventory does not say which.	43 (4, 5)
R3-C10	E11-E0-S45	GO	GoldRush Tag AL-Gld Rsh; inventory name: Goldrush Very late; yellow, russet; tart-sweet, keeps 6 months Cultivar profile	Apple	B-118	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Red Delicious (R3-C11, 18.0 ft) - Bloom-group candidate; Aztec Fuji (R3-C9, 18.0 ft) - Bloom-group candidate	46 (24)
R3-C11	E11-E18-S45	RD	Red Delicious Tag AL-Red Del; inventory name: Delicious, Red Late; tall dark red; sweet, mild, crisp; five bumps Cultivar profile	Apple	M-111	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. GoldRush (R3-C10, 18.0 ft) - Bloom-group candidate; Cox's Orange Pippin (R2-C11, 21.9 ft) - Bloom-group candidate	37 (40)
R3-C12	E11-E36-S45	UNK	Unidentified apple Tag AL-UnKn; inventory name: Unknown	Apple	Not recorded	FG ?	Not recorded	UnidentifiedPlanted Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners. Unconfirmed — no screened partner in the available data. Inventory match: Tag AL-UnKn. Owner (Oct 16, 2026): every purchased apple arrived, so a purchase with no tagged tree is presumed to have died in Boise, unrecorded. These 6 are among the 11 purchased apples with no tagged tree: Braeburn 1, Cortland 2, Dolgo 1 (long shot), Empire 1, Aztec Fuji 1, Gala 1, Golden Russet 1, Honeycrisp 1, Sweet Sixteen 1, Zestar 1. Identify them at bloom or harvest using the possibility list. Unidentified apple possibility list	62
R3-C13	F11-E4-S45	NP	Newtown Pippin Tag AL-G Orch-111; inventory name: Newton Yellow Pippin Very late; dull green-yellow; tart, aromatic winter apple Cultivar profile	Apple	M-111	FG 3	Self-fertile	Self-fertilePlanted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Franklin Cider (R2-C12, 21.9 ft) - Bloom-group candidate; Harrison (R4-C12, 21.9 ft) - Bloom-group candidate Inventory match: Tag AL-G Orch-111 (Grandpa's Orchard, M-111) matches the workbook.	58 (38)
R4-C1	A11-E47-S25	CO	Cox's Orange Pippin Tag AL-O Pip; inventory name: Cox Orange Pippin Mid; orange-red flush; aromatic, sweet-tart; fussy Cultivar profile	Apple	M-7	FG 3	Self-fertile	Self-fertilePlanted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Cortland (R3-C2, 21.9 ft) - Bloom-group candidate; Idared (R5-C2, 21.9 ft) - Bloom-group candidate	30 (11)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R4-C2	B11-E15-S25	UNK	Unidentified apple Tag AL-UnKn; inventory name: Unknown	Apple	Not recorded	FG ?	Not recorded	UnidentifiedPlanted Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners. Unconfirmed — no screened partner in the available data. Inventory match: Tag AL-UnKn. Owner (Oct 16, 2026): every purchased apple arrived, so a purchase with no tagged tree is presumed to have died in Boise, unrecorded. These 6 are among the 11 purchased apples with no tagged tree: Braeburn 1, Cortland 2, Dolgo 1 (long shot), Empire 1, Aztec Fuji 1, Gala 1, Golden Russet 1, Honeycrisp 1, Sweet Sixteen 1, Zestar 1. Identify them at bloom or harvest using the possibility list. Unidentified apple possibility list	62
R4-C3	B11-E33-S25	HC	Honeycrisp (Super Red) Tag AL-Hny Crisp; inventory name: Honeycrisp, Super Red Mid; red over yellow; very crisp, sweet-tart Cultivar profile	Apple	M-7	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Golden Delicious (R4-C4, 18.0 ft) - Bloom-group candidate; Hudson's Golden Gem (R5-C3, 21.9 ft) - Workbook-listed + bloom group	50 (29)
R4-C4	C11-E1-S25	GD	Golden Delicious Tag AL-Gold D; inventory name: Delicious, Golden Late; golden-green; sweet, mild honey; keeps well Cultivar profile	Apple	M-111	FG 4	Partly Self-fertile	★ Good donorPlanted Confirm overlapping bloom locally before relying on these candidates. Honeycrisp (Super Red) (R4-C3, 18.0 ft) - Workbook-listed + bloom group; Pink Lady (Cripps Pink) (R3-C5, 21.9 ft) - Workbook-listed + bloom group	36 (21)
R4-C5	C11-E19-S25	UNK	Unidentified apple Tag AL-UnKn; inventory name: Unknown	Apple	Not recorded	FG ?	Not recorded	UnidentifiedPlanted Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners. Unconfirmed — no screened partner in the available data. Inventory match: Tag AL-UnKn. Owner (Oct 16, 2026): every purchased apple arrived, so a purchase with no tagged tree is presumed to have died in Boise, unrecorded. These 6 are among the 11 purchased apples with no tagged tree: Braeburn 1, Cortland 2, Dolgo 1 (long shot), Empire 1, Aztec Fuji 1, Gala 1, Golden Russet 1, Honeycrisp 1, Sweet Sixteen 1, Zestar 1. Identify them at bloom or harvest using the possibility list. Unidentified apple possibility list	62
R4-C6	C11-E37-S25	ZT	Zestar Tag AL-Zestar; inventory name: Zestar Earliest; rosy red blush; sweet-tart, brown sugar Cultivar profile	Apple	M-111	FG 1	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Wickson Crab (R4-C7, 18.0 ft) - Bloom-group candidate; Macintosh (R5-C7, 21.9 ft) - Bloom-group candidate Inventory match: 2 of 3 purchased found.	66 (45)
R4-C7	D11-E5-S25	WC	Wickson Crab Tag AL-Wickson cr; inventory name: Crabapple, Wickson Late; golf-ball red crab; very sweet, sharp; early bloom Cultivar profile	Apple	B-9	FG 2	Not self-fertile	★ Good donorPlanted Confirm overlapping bloom locally before relying on these candidates. Zestar (R4-C6, 18.0 ft) - Bloom-group candidate; Macintosh (R5-C7, 21.9 ft) - Bloom-group candidate	33 (44)
R4-C8	D11-E23-S25	UNK	Unidentified apple Tag AL-UnKn; inventory name: Unknown	Apple	Not recorded	FG ?	Not recorded	UnidentifiedPlanted Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners. Unconfirmed — no screened partner in the available data. Inventory match: Tag AL-UnKn. Owner (Oct 16, 2026): every purchased apple arrived, so a purchase with no tagged tree is presumed to have died in Boise, unrecorded. These 6 are among the 11 purchased apples with no tagged tree: Braeburn 1, Cortland 2, Dolgo 1 (long shot), Empire 1, Aztec Fuji 1, Gala 1, Golden Russet 1, Honeycrisp 1, Sweet Sixteen 1, Zestar 1. Identify them at bloom or harvest using the possibility list. Unidentified apple possibility list	62
R4-C9	D11-E41-S25	UG	Tandgy green Urban Columnar - NOT IN ORCHARD Tag AL-UrbGrn	Apple	10x3	Midseason; FG ?	Not self-fertile	R4-C9: Tandgy green Urban Columnar (tag AL-UrbGrn, inventory row 64) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Haralson (apple) in 2027, described in the planting plan.	64 (42)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R4-C10	E11-E9-S25	UNK	Unidentified apple Tag AL-UnKn; inventory name: Unknown	Apple	Not recorded	FG ?	Not recorded	UnidentifiedPlanted Unidentified apple: bloom group and ploidy are unknown, so it is not counted as a pollen donor. Placed among identified apples of several bloom groups; identify it at bloom or harvest, then re-check its partners. Unconfirmed — no screened partner in the available data. Inventory match: Tag AL-UnKn. Owner (Oct 16, 2026): every purchased apple arrived, so a purchase with no tagged tree is presumed to have died in Boise, unrecorded. These 6 are among the 11 purchased apples with no tagged tree: Braeburn 1, Cortland 2, Dolgo 1 (long shot), Empire 1, Aztec Fuji 1, Gala 1, Golden Russet 1, Honeycrisp 1, Sweet Sixteen 1, Zestar 1. Identify them at bloom or harvest using the possibility list. Unidentified apple possibility list	62
R4-C11	E11-E27-S25	AF	Auvil Early Fuji Tag AL-Fuji; inventory name: Fuji, Early Mid; red, gold-touched; sweet, low-acid Fuji sport Cultivar profile	Apple	M-111	FG 4	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Harrison (R4-C12, 18.0 ft) - Bloom-group candidate; CrimsonCrisp (R5-C12, 21.9 ft) - Bloom-group candidate Inventory match: Same tag text (AL-Fuji) as the Fuji; check the variety label when planting.	44 (3)
R4-C12	E11-E45-S25	HR	Harrison Tag AL-Harrison; inventory name: Harrison Late; small yellow; sweet, rich cider apple Cultivar profile	Apple	M-111 or Semi Dwarf	FG 3*	Not self-fertile	Planted Orange Pippin assigns Harrison to group 3, matching the existing Harrison workbook entry. The same assignment is used for Harrison Cider Apple, not a different pollen partner. Raintree instead lists group 4 (mid-late); retain this source difference and verify local bloom. Auvil Early Fuji (R4-C11, 18.0 ft) - Bloom-group candidate; CrimsonCrisp (R5-C12, 21.9 ft) - Bloom-group candidate Inventory match: The workbook lists one Harrison (row 26, M-111) and one Harrison Cider (row 27, semi-dwarf), the same cultivar. The tags do not say which is which, so both use the row 26 cultivar data. Bloom research and sources	48 (26, 27)
R4-C13	F11-E13-S25	DLG	Dolgo Crabapple Tag AL-Dolgo; inventory name: Crabapple, Dolgo Early crab; crimson, oblong; tart, white bloom Cultivar profile	Apple	Not recorded	FG 2	Not recorded	Planted Orange Pippin explicitly assigns the named Dolgo cultivar to flowering group 2 and describes early blossom. This assignment assumes these are the named cultivar, not unnamed seedlings. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Harrison (R4-C12, 18.0 ft) - Workbook-listed + bloom group; Newtown Pippin (R3-C13, 21.9 ft) - Workbook-listed + bloom group Inventory match: 1 of 2 purchased found. Bloom research and sources	31 (13)
R5-C1	A11-E38-S5	CAM	Campfield Cider Apple Tag AL-Campfield; inventory name: Campfield Cide Very late; red-striped; bittersweet Newark cider apple Cultivar profile	Apple	Semi Dwarf	FG 3	Not recorded	Planted Orange Pippin explicitly assigns Campfield to flowering group 3. Raintree independently lists bloom group 3 (midseason). Both refer to flowering, not harvest season. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Idared (R5-C2, 18.0 ft) - Bloom-group candidate; Cox's Orange Pippin (R4-C1, 21.9 ft) - Workbook-listed + bloom group Bloom research and sources	28 (9)
R5-C2	B11-E6-S5	ID	Idared Tag AL-Idared; inventory name: Idared Late; smooth red; mild sweet-tart; keeps 6 months Cultivar profile	Apple	M-111	FG 2	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Hudson's Golden Gem (R5-C3, 18.0 ft) - Workbook-listed + bloom group; Cox's Orange Pippin (R4-C1, 21.9 ft) - Workbook-listed + bloom group	52 (31)
R5-C3	B11-E24-S5	HG	Hudson's Golden Gem Tag AL-Gold Gem; inventory name: Hudsons Golden Gem Late; large russet, pear-shaped; sweet, nutty Cultivar profile	Apple	M-111	FG 3	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Idared (R5-C2, 18.0 ft) - Bloom-group candidate; Granny Smith (R6-C2, 21.9 ft) - Workbook-listed + bloom group	51 (30)
R5-C4	B11-E42-S5	LB	Liberty Tag AL-Liberty; inventory name: Liberty Mid; bright red Mac-type; scab-resistant; sweet-tart Cultivar profile	Apple	M-111	FG 2	Not self-fertile	DisputedPlanted Liberty ploidy/donor status is disputed. Excluded as a donor; given two diploid candidates. Hudson's Golden Gem (R5-C3, 18.0 ft) - Bloom-group candidate; Sweet Sixteen (R5-C5, 18.0 ft) - Bloom-group candidate	55 (35)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R5-C5	C11-E10-S5	SS	Sweet Sixteen Tag AL- S Six; inventory name: Sweet Sixteen Mid; pink-red stripes; yellow flesh, candy-sweet Cultivar profile	Apple	M-7	FG 3	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Cortland (R5-C6, 18.0 ft) - Bloom-group candidate; Golden Delicious (R4-C4, 21.9 ft) - Bloom-group candidate Inventory match: 1 of 2 purchased found.	60 (41)
R5-C6	C11-E28-S5	CL	Cortland Tag AL-Cort/ AL-Cortland; inventory name: Cortland Mid; red-streaked; white flesh slow to brown Cultivar profile	Apple	M-111	FG 3	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Macintosh (R5-C7, 18.0 ft) - Bloom-group candidate; Sweet Sixteen (R5-C5, 18.0 ft) - Bloom-group candidate Inventory match: 3 of 5 purchased found.	29 (10)
R5-C7	C11-E46-S5	MT	Macintosh Tag AL-Mc In; inventory name: McIntosh Mid; red over green; crisp, wine-like, white flesh Cultivar profile	Apple	Semi Dwarf	FG 2	semi-self fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Cortland (R5-C6, 18.0 ft) - Bloom-group candidate; Zestar (R5-C8, 18.0 ft) - Bloom-group candidate	57 (36)
R5-C8	D11-E14-S5	ZT	Zestar Tag AL-Zestar; inventory name: Zestar Earliest; rosy red blush; sweet-tart, brown sugar Cultivar profile	Apple	M-111	FG 1	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Macintosh (R5-C7, 18.0 ft) - Bloom-group candidate; Wickson Crab (R4-C7, 21.9 ft) - Bloom-group candidate Inventory match: 2 of 3 purchased found.	66 (45)
R5-C9	D11-E32-S5	UR	Tasty Red Urban Columnar - NOT IN ORCHARD Tag AL-UrbR	Apple	10x3 (MM106)	Midseason; FG ?	Not self-fertile	R5-C9: Tasty Red Urban Columnar (tag AL-UrbR, inventory row 65) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Williams' Pride (apple) in 2027, described in the planting plan.	65 (43)
R5-C10	E11-E0-S5	UD	Blushing Delight Urban Columnar - NOT IN ORCHARD Tag AL-UrbGld	Apple	10x3	Midseason; FG ?	Not self-fertile	R5-C10: Blushing Delight Urban Columnar (tag AL-UrbGld, inventory row 63) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Priscilla (apple) in 2027, described in the planting plan.	63 (6)
R5-C11	E11-E18-S5	HR	Harrison Tag AL-Harrison; inventory name: Harrison Late; small yellow; sweet, rich cider apple Cultivar profile	Apple	M-111 or Semi Dwarf	FG 3*	Not self-fertile	Planted Orange Pippin assigns Harrison to group 3, matching the existing Harrison workbook entry. The same assignment is used for Harrison Cider Apple, not a different pollen partner. Raintree instead lists group 4 (mid-late); retain this source difference and verify local bloom. CrimsonCrisp (R5-C12, 18.0 ft) - Bloom-group candidate; Auvil Early Fuji (R4-C11, 21.9 ft) - Bloom-group candidate Inventory match: The workbook lists one Harrison (row 26, M-111) and one Harrison Cider (row 27, semi-dwarf), the same cultivar. The tags do not say which is which, so both use the row 26 cultivar data. Bloom research and sources	48 (26, 27)
R5-C12	E11-E36-S5	CC	CrimsonCrisp Tag AL-Crimson; inventory name: Crimson Crisp Mid; bright crimson; very crisp, honeyed; scab-immune Cultivar profile	Apple	M-111	FG 3	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Harrison (R5-C11, 18.0 ft) - Workbook-listed + bloom group; Auvil Early Fuji (R4-C11, 21.9 ft) - Workbook-listed + bloom group	34 (12)
R5-C13	F11-E4-S5	KER	Kerr Crab Seedling Tag AL-Kerr Crab; inventory name: Crabapple, Kerr Mid; crimson-maroon crab; crisp, tart-sweet; keeps Cultivar profile	Apple	Not recorded	FG 2?	Not recorded	Planted BEST GUESS: group 2 is an owner-approved planning estimate based on the published group for the named Kerr cultivar. The owner confirmed the Kerr trees were grown from seed (3 are at Prairie), so they are genetically different from that cultivar and may bloom at different times, including from each other. This is not a verified assignment. Record each seedling's first, full, and final bloom alongside known cultivars and revise the group if needed. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. CrimsonCrisp (R5-C12, 18.0 ft) - Bloom-group candidate; provisional flowering group; Harrison (R4-C12, 21.9 ft) - Bloom-group candidate; provisional flowering group Inventory match: 3 found, but 2 were purchased. All are seed-grown, so each may bloom differently. Bloom research and sources	32 (33)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R6-C1	A10-E47-S35	KER	Kerr Crab Seedling Tag AL-Kerr Crab; inventory name: Crabapple, Kerr Mid; crimson-maroon crab; crisp, tart-sweet; keeps Cultivar profile	Apple	Not recorded	FG 2?	Not recorded	Planted BEST GUESS: group 2 is an owner-approved planning estimate based on the published group for the named Kerr cultivar. The owner confirmed the Kerr trees were grown from seed (3 are at Prairie), so they are genetically different from that cultivar and may bloom at different times, including from each other. This is not a verified assignment. Record each seedling's first, full, and final bloom alongside known cultivars and revise the group if needed. Pollen-donor status remains unverified in this plan; a flowering group alone does not establish it. Granny Smith (R6-C2, 18.0 ft) - Bloom-group candidate; provisional flowering group; Idared (R5-C2, 21.9 ft) - Bloom-group candidate; provisional flowering group Inventory match: 3 found, but 2 were purchased. All are seed-grown, so each may bloom differently. Bloom research and sources	32 (33)
R6-C2	B10-E15-S35	GS	Granny Smith Tag AL-Gran S; inventory name: Granny Smith Very late; bright green; very tart, long keeper Cultivar profile	Apple	Semi Dwarf	FG 3	Self-fertile	Self-fertile★ Good donorPlanted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Hudson's Golden Gem (R5-C3, 21.9 ft) - Bloom-group candidate; Idared (R5-C2, 21.9 ft) - Bloom-group candidate	47 (25)
R6-C3	B10-E33-S35	RS	M-111 apple rootstock - PLANTED ROOTSTOCK Tag AL-Rstk M111	Apple	M-111	No scion recorded	Not recorded	M-111 apple rootstock planted at R6-C3. No scion cultivar is recorded; not counted as a fruit tree or pollen partner until grafting and cultivar identification are recorded.	56
R7-C1	A10-E38-S15	YHC	Yellow Huffcapp European Perry Pear Tag PR- Yw Huffcapp; inventory name: Yellow Huffcapp Mid; small elliptical yellow-green; sharp perry Cultivar profile	Pear	Semi Dwarf	Unconfirmed	Not recorded	Planted Yellow Huffcap bloom and compatibility need confirmation; do not assume all perry pears overlap. Unconfirmed — no screened partner in the available data.	110 (108)
R7-C2	B10-E6-S15	SA	Shinseiki - Asian Tag PR-Shin Asian; inventory name: Asian, Shinseiki Mid; yellow skin; crisp, sweet, slightly tart Cultivar profile	Pear	Semi Dwarf	Unconfirmed	Partly self-fertile	Planted Shinseiki is grouped near the other Asian pears; a named compatible pair remains unconfirmed. Unconfirmed — no screened partner in the available data.	95 (103)
R7-C3	B10-E24-S15	OG	Olympic Giant - Asian Tag PR-Olympic; inventory name: Olympic Giant Late; huge brown russet; sweet, crisp, long keeper Cultivar profile	Pear	Standard	Unconfirmed	Partly self-fertile	Planted Confirm Asian-pear nursery identity and bloom. The two Giant selections are not counted as independent partners. Unconfirmed — no screened partner in the available data.	106 (99)
R7-C4	B10-E42-S15	RB	Red Bartlett Tag PR-R Bart; inventory name: Bartlett, Red Mid; red-skinned Bartlett sport; sweet, juicy Cultivar profile	Pear	Not recorded	Early–mid	Not recorded	Planted Confirm overlapping bloom locally before relying on these candidates. Anjou (R7-C5, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Hendre Huffcapp European Perry Pear (R8-C4, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility	98 (102)
R7-C5	C10-E10-S15	AU	Anjou Tag PR-Anjou; inventory name: Anjou Stan. Supreme Late; green skin, blunt shape; mild, buttery; long keeper Cultivar profile	Pear	Standard	Early–mid	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Comice (R7-C6, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Red Bartlett (R7-C4, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility Inventory match: Inventory rows 92 (Anjou) and 101 (D'Anjou) together hold 3 Anjou, but 2 were purchased.	92 (89)
R7-C6	C10-E28-S15	CE	Comice Tag PR-Comice; inventory name: Comice Late; squat, green-yellow, red blush; buttery, aromatic Cultivar profile	Pear	Semi Dwarf	Mid–late	Self-fertile	Self-fertilePlanted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Anjou (R7-C5, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Moonglow (R8-C6, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility	100 (94)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R7-C7	C10-E46-S15	BNT	Barnett European Perry Pear Tag PR-Barnet; inventory name: Barnet Euro Late; small, russeted all over; light perry Cultivar profile	Pear	Semi Dwarf	Unconfirmed	Not recorded	Planted Confirm whether Barnett is Barnet. Barnet is very late in the perry chart; no partner is assumed. Unconfirmed — no screened partner in the available data.	96 (90)
R7-C8	D10-E14-S15	SMC	SummerCrisp Tag PR-Sum Cris; inventory name: Summercrisp Early; green, red blush; crisp, mild-sweet Cultivar profile	Pear	Not recorded	Unconfirmed	Not recorded	Planted Confirm overlapping bloom locally before relying on these candidates. Parker (R7-C9, 18.0 ft) - Nursery-recommended Parker for Summercrisp; confirm local bloom	109 (106)
R7-C9	D10-E32-S15	PKR	Parker Tag PR-Parker; inventory name: Parker Mid; yellow-bronze, red blush; hardy, tender-juicy Cultivar profile	Pear	Not recorded	Unconfirmed	Not recorded	Planted Parker is recommended for Summercrisp; the reverse pairing was not verified. Unconfirmed — no screened partner in the available data.	107 (100)
R7-C10	E10-E0-S15	SMC	SummerCrisp Tag PR-Sum Cris; inventory name: Summercrisp Early; green, red blush; crisp, mild-sweet Cultivar profile	Pear	Not recorded	Unconfirmed	Not recorded	Planted Confirm overlapping bloom locally before relying on these candidates. Parker (R7-C9, 18.0 ft) - Nursery-recommended Parker for Summercrisp; confirm local bloom	109 (106)
R7-C11	E10-E18-S15	CE	Comice Tag PR-Comice; inventory name: Comice Late; squat, green-yellow, red blush; buttery, aromatic Cultivar profile	Pear	Semi Dwarf	Mid-late	Self-fertile	Self-fertile Planted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Keiffer (R7-C12, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Anjou (R8-C10, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility	100 (94)
R7-C12	E10-E36-S15	KF	Keiffer Tag PR-Kief; inventory name: Kieffer Late; yellow, crimson blush; crisp, coarse; canning pear Cultivar profile	Pear	Not recorded	Late	Not recorded	Planted Confirm overlapping bloom locally before relying on these candidates. Comice (R7-C11, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Butt European Perry Pear (R7-C13, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	104 (97)
R7-C13	F10-E4-S15	BUT	Butt European Perry Pear Tag PR-Butt Euro; inventory name: Butt Euro Perry Late; small lemon-yellow; astringent perry pear Cultivar profile	Pear	Semi Dwarf	Late (perry chart)	Not recorded	Planted Perry bloom window is from UK observations; confirm cultivar identity, local bloom, and genetic compatibility. Keiffer (R7-C12, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Comice (R8-C12, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility	99 (93)
R8-C1	A9-E47-S45	PE	Pineapple - DEAD Tag PR-Pineap	Pear	Semi Dwarf	Early	Self-fertile	R8-C1: Pineapple (tag PR-Pineap, inventory row 108) reported dead October 11, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Delight (pear) in 2027, described in the planting plan.	108 (101)
R8-C2	B9-E15-S45	HA	Hosui - Asian Tag PR-Asian H; inventory name: Asian Hosui Mid; round golden-russet; sweet-tart, very juicy Cultivar profile	Pear	Standard	Early	Not self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Starking Hardy Giant - Asian (R8-C3, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	93 (96)
R8-C3	B9-E33-S45	HG	Starking Hardy Giant - Asian Tag PR-Asian; inventory name: Asian, Hardy Giant Late; huge round brown russet; crisp, long keeper Cultivar profile	Pear	Semi Dwarf	Early	Not self-fertile	Planted Confirm Asian-pear nursery identity and bloom. The two Giant selections are not counted as independent partners. Hosui - Asian (R8-C2, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	94 (105)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R8-C4	C9-E1-S45	HHC	Hendre Huffcapp European Perry Pear Tag PR-Hendre; inventory name: Hendre Huffeap Late; small elliptical; light low-tannin perry Cultivar profile	Pear	Semi Dwarf	Early (perry chart)	Not recorded	Planted Perry bloom window is from UK observations; confirm cultivar identity, local bloom, and genetic compatibility. Bartlett (R8-C5, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Anjou (R7-C5, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility Inventory match: 2 found, but 1 was purchased. Thorn (row 107) was not found; one of these may be Thorn.	103 (95)
R8-C5	C9-E19-S45	BT	Bartlett Tag PR-Bart; inventory name: Bartlett Mid; green turning yellow; sweet, juicy, aromatic Cultivar profile	Pear	Standard	Early–mid	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Hendre Huffcapp European Perry Pear (R8-C4, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Moonglow (R8-C6, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	97 (91, 92)
R8-C6	C9-E37-S45	MW	Moonglow Tag PR-Moon; inventory name: Moonglow Mid; yellow, pink blush; soft, juicy, mild Cultivar profile	Pear	Standard	Early–mid	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Anjou (R8-C7, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Bartlett (R8-C5, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	105 (98)
R8-C7	D9-E5-S45	AU	Anjou Tag PR-D'an; inventory name: D'Anjou Late; green skin, blunt shape; mild, buttery; long keeper Cultivar profile	Pear	Standard	Early–mid	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Hendre Huffcapp European Perry Pear (R8-C8, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Moonglow (R8-C6, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility Inventory match: Inventory rows 92 (Anjou) and 101 (D'Anjou) together hold 3 Anjou, but 2 were purchased.	101 (89)
R8-C8	D9-E23-S45	HHC	Hendre Huffcapp European Perry Pear Tag PR-Hendre; inventory name: Hendre Huffeap Late; small elliptical; light low-tannin perry Cultivar profile	Pear	Semi Dwarf	Early (perry chart)	Not recorded	Planted Perry bloom window is from UK observations; confirm cultivar identity, local bloom, and genetic compatibility. Anjou (R8-C7, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Starking Delicious (R8-C9, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility Inventory match: 2 found, but 1 was purchased. Thorn (row 107) was not found; one of these may be Thorn.	103 (95)
R8-C9	D9-E41-S45	SD	Starking Delicious Tag PR-Delic; inventory name: Delicious Mid; large yellow-green; sweet, juicy, easy to peel Cultivar profile	Pear	Standard	Early–mid	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Anjou (R8-C10, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Hendre Huffcapp European Perry Pear (R8-C8, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	102 (104)
R8-C10	E9-E9-S45	AU	Anjou Tag PR-D'an; inventory name: D'Anjou Late; green skin, blunt shape; mild, buttery; long keeper Cultivar profile	Pear	Standard	Early–mid	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Starking Delicious (R8-C9, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Bartlett (R8-C11, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility Inventory match: Inventory rows 92 (Anjou) and 101 (D'Anjou) together hold 3 Anjou, but 2 were purchased.	101 (89)
R8-C11	E9-E27-S45	BT	Bartlett Tag PR-Bart; inventory name: Bartlett Mid; green turning yellow; sweet, juicy, aromatic Cultivar profile	Pear	Standard	Early–mid	Partly self-fertile	Planted Confirm overlapping bloom locally before relying on these candidates. Comice (R8-C12, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Anjou (R8-C10, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility	97 (91, 92)
R8-C12	E9-E45-S45	CE	Comice Tag PR-Comice; inventory name: Comice Late; squat, green-yellow, red blush; buttery, aromatic Cultivar profile	Pear	Semi Dwarf	Mid–late	Self-fertile	Self-fertile Planted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Bartlett (R8-C11, 18.0 ft) - Pear bloom-chart candidate; confirm compatibility; Keiffer (R7-C12, 21.9 ft) - Pear bloom-chart candidate; confirm compatibility	100 (94)
R9-C1	A9-E38-S25	BB	Bing Tag CR-Bing; inventory name: Bing Mid; mahogany to near-black heart; very sweet, firm Cultivar profile	Cherry	Semi Dwarf	Cherry period 3	Partly self-fertile	Planted Pseudomonas + Treat Bing as cross-pollination dependent. Stella is conservatively excluded as its donor. Lapins (R10-C2, 33.6 ft) - Cherry compatibility + bloom chart; confirm local overlap Pseudomonas positive, untreated; 1 of the 2 trees with this tag.	72 (53, 54)
R9-C2	B9-E6-S25	RS	Royalton Sweet - DEAD Tag CR-Royalton	Cherry	Semi Dwarf	Cherry period 3	Partly self-fertile	R9-C2: Royalton Sweet (tag CR-Royalton, inventory row 80) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Black Gold (cherry) in 2027, described in the planting plan.	80 (63)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R9-C3	B9-E24-S25	BB	Bing Tag CR-Bing; inventory name: Bing Mid; mahogany to near-black heart; very sweet, firm Cultivar profile	Cherry	Semi Dwarf	Cherry period 3	Partly self-fertile	PlantedPseudomonas + Treat Bing as cross-pollination dependent. Stella is conservatively excluded as its donor. Lapins (R10-C2, 21.9 ft) - Cherry compatibility + bloom chart; confirm local overlap Pseudomonas positive, untreated; 1 of the 2 trees with this tag.	72 (53, 54)
R9-C4	B9-E42-S25	ST	Stella Tag CR-Stella; inventory name: Sweet Stella Mid; self-fertile; large dark heart-shaped, firm Cultivar profile	Cherry	Semi Dwarf	Cherry period 3	self-fertile	Self-fertilePlantedPseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. Bing (R9-C3, 18.0 ft) - Cherry compatibility + bloom chart; confirm local overlap; Lapins (R10-C2, 33.6 ft) - Cherry compatibility + bloom chart; confirm local overlap Pseudomonas positive, untreated.	82 (65)
R9-C5	C9-E10-S25	NKI	Nanking (bush) Tag CR-lan Nan; inventory name: Nanking, lan Mid; small tart-sweet cherries; very hardy bush Cultivar profile	Cherry	Not recorded	Unconfirmed	Not recorded	Planted Nanking bush cherry: needs a genetically different Nanking with overlapping bloom and is not a sweet-cherry pollen donor. The lan and Jules plants are kept together in case they are different seedling lines. Unconfirmed — no screened partner in the available data. Inventory match: Nanking 'lan' (2) and 'Jules' (1) together match the 3 purchased Nanking bushes.	78 (61)
R9-C6	C9-E28-S25	SWT	Unidentified sweet cherry Tag CR-Sweet; inventory name: Sweet	Cherry	Not recorded	Unconfirmed	Not recorded	UnidentifiedPlantedPseudomonas + Unidentified sweet cherry, possibly one of the purchased Black Tartarian, Regina, or Sam trees not otherwise found. Its compatibility group is unknown, so it is not counted as a donor until identified. Unconfirmed — no screened partner in the available data. Inventory match: Tag CR-Sweet. Purchased sweet cherries not otherwise found at Prairie: Black Tartarian 2, Regina 1, Sam 1. Unidentified sweet cherry possibility list Pseudomonas positive, untreated; 1 of the 3 trees with this tag.	81
R9-C7	C9-E46-S25	HG	Hardy Giant Antque Sweet Tag CR-Hardy Antq; inventory name: Hardy Giant Antique Mid; mahogany skin, dark red flesh; heavy clusters Cultivar profile	Cherry	Semi Dwarf	Unconfirmed	Partly self-fertile	PlantedPseudomonas + Sweet-cherry donor compatibility was not verified; do not rely on this tree to supply other varieties. Unconfirmed — no screened partner in the available data. Pseudomonas positive, untreated.	75 (58)
R9-C8	D9-E14-S25	NKI	Nanking (bush) Tag CR-lan Nan; inventory name: Nanking, lan Mid; small tart-sweet cherries; very hardy bush Cultivar profile	Cherry	Not recorded	Unconfirmed	Not recorded	Planted Nanking bush cherry: needs a genetically different Nanking with overlapping bloom and is not a sweet-cherry pollen donor. The lan and Jules plants are kept together in case they are different seedling lines. Unconfirmed — no screened partner in the available data. Inventory match: Nanking 'lan' (2) and 'Jules' (1) together match the 3 purchased Nanking bushes.	78 (61)
R10-C1	A9-E47-S5	BT	Black Tartarian Tag CR-Black T; inventory name: Black Tartarian Early; purple-black, medium; sweet, rich; pollinizer Cultivar profile	Cherry	Standard	Cherry period 1	Partly self-fertile	PlantedPseudomonas + Black Tartarian blooms very early; Lapins is its only identified donor in an adjacent bloom period. Two of the four purchased Black Tartarians were not found and may be among the unidentified sweet cherries. Lapins (R10-C2, 18.0 ft) - Cherry compatibility + bloom chart; confirm local overlap Inventory match: 2 of 4 purchased found. Pseudomonas positive, untreated; 1 of the 2 trees with this tag.	73 (55, 56)
R10-C2	B9-E15-S5	LP	Lapins Tag CR-Lapins; inventory name: Lapins Sweet Late; self-fertile; large mahogany, Bing-shaped Cultivar profile	Cherry	Not recorded	Cherry period 2	Partly self-fertile	Self-fertilePlanted Lapins is self-fertile in the reference chart and is the only identified sweet cherry within one bloom period of both Black Tartarian and Bing, so the sweet cherries are grouped around it. Black Tartarian (R10-C1, 18.0 ft) - Cherry compatibility + bloom chart; confirm local overlap; Bing (R9-C3, 21.9 ft) - Cherry compatibility + bloom chart; confirm local overlap	76 (59)
R10-C3	B9-E33-S5	BT	Black Tartarian Tag CR-Black T; inventory name: Black Tartarian Early; purple-black, medium; sweet, rich; pollinizer Cultivar profile	Cherry	Standard	Cherry period 1	Partly self-fertile	PlantedPseudomonas + Black Tartarian blooms very early; Lapins is its only identified donor in an adjacent bloom period. Two of the four purchased Black Tartarians were not found and may be among the unidentified sweet cherries. Lapins (R10-C2, 18.0 ft) - Cherry compatibility + bloom chart; confirm local overlap Inventory match: 2 of 4 purchased found. Pseudomonas positive, untreated; 1 of the 2 trees with this tag.	73 (55, 56)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R10-C4	C9-E1-S5	SWT	Unidentified sweet cherry Tag CR-Sweet; inventory name: Sweet	Cherry	Not recorded	Unconfirmed	Not recorded	Unidentified Planted Pseudomonas + Unidentified sweet cherry, possibly one of the purchased Black Tartarian, Regina, or Sam trees not otherwise found. Its compatibility group is unknown, so it is not counted as a donor until identified. Unconfirmed — no screened partner in the available data. Inventory match: Tag CR-Sweet. Purchased sweet cherries not otherwise found at Prairie: Black Tartarian 2, Regina 1, Sam 1. Unidentified sweet cherry possibility list Pseudomonas positive, untreated; 1 of the 3 trees with this tag.	81
R10-C5	C9-E19-S5	MNT	Montmorency Tag CR-Mont; inventory name: Montmorency Late; bright red tart pie cherry; self-fertile Cultivar profile	Cherry	Not recorded	Unconfirmed	Not recorded	Self-fertile Planted Montmorency is a self-fertile tart cherry; not used in the sweet-cherry donor network. No extra partner required under the current self-fertility guidance.	77 (60)
R10-C6	C9-E37-S5	NKJ	Nanking (bush) Tag CR-Juls Nan; inventory name: Nanking, Jules Mid; small tart-sweet cherries; very hardy bush Cultivar profile	Cherry	Not recorded	Unconfirmed	Not recorded	Planted Nanking bush cherry: needs a genetically different Nanking with overlapping bloom and is not a sweet-cherry pollen donor. The Ian and Jules plants are kept together in case they are different seedling lines. Unconfirmed — no screened partner in the available data. Inventory match: Nanking 'Ian' (2) and 'Jules' (1) together match the 3 purchased Nanking bushes.	79 (61)
R10-C7	D9-E5-S5	SWT	Unidentified sweet cherry Tag CR-Sweet; inventory name: Sweet	Cherry	Not recorded	Unconfirmed	Not recorded	Unidentified Planted Pseudomonas + Unidentified sweet cherry, possibly one of the purchased Black Tartarian, Regina, or Sam trees not otherwise found. Its compatibility group is unknown, so it is not counted as a donor until identified. Unconfirmed — no screened partner in the available data. Inventory match: Tag CR-Sweet. Purchased sweet cherries not otherwise found at Prairie: Black Tartarian 2, Regina 1, Sam 1. Unidentified sweet cherry possibility list Pseudomonas positive, untreated; 1 of the 3 trees with this tag.	81
R10-C8	D9-E23-S5	MNT	Montmorency Tag CR-Mont; inventory name: Montmorency Late; bright red tart pie cherry; self-fertile Cultivar profile	Cherry	Not recorded	Unconfirmed	Not recorded	Self-fertile Planted Montmorency is a self-fertile tart cherry; not used in the sweet-cherry donor network. No extra partner required under the current self-fertility guidance.	77 (60)
R11-C1	A8-E38-S35	MP	Moorpark Tag AT-moorpark; inventory name: Moore Park Mid; large orange, red-specked; rich flavor; fresh, dried Cultivar profile	Apricot	Not recorded	Unconfirmed	Self-fertile	Self-fertile Planted Pseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Inventory match: 2 found, but 1 Moorpark was purchased. Patterson (row 50) was not found; one of these may be Patterson. Pseudomonas positive, untreated; 1 of the 2 trees with this tag.	70 (49)
R11-C2	B8-E6-S35	UNK	Unidentified apricot Tag AT-Unk; inventory name: Unknown	Apricot	Not recorded	Unconfirmed	Not recorded	Unidentified Planted Pseudomonas + Unidentified apricot, possibly the purchased Patterson (self-fertile in the workbook). Confirm its identity. Unconfirmed — no screened partner in the available data. Inventory match: Tag AT-Unk. The purchased Patterson (row 50) was not otherwise found. Unidentified apricot possibility list Pseudomonas positive, untreated.	71
R11-C3	B8-E24-S35	GT	Giant Tilton Tag AT-Tilton; inventory name: Giant Tilton Mid; large golden-orange; fresh, canning, drying Cultivar profile	Apricot	Standard	Unconfirmed	Self-fertile	Self-fertile Planted Pseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Pseudomonas positive, untreated.	68 (47)
R11-C6	C8-E28-S35	IPL	Italian Plum Tag PM- It Lov; inventory name: Italian Lovell Mid; dark blue prune plum; sweet, freestone, dries well Cultivar profile	Plum	Not recorded	Unconfirmed	Not recorded	Self-fertile Planted Tag "Italian Lovell": Italian plum, probably on Lovell rootstock. The named Italian plum is self-fertile or partly self-fertile in references; if one of these is a purchased Italian seedling, its fertility is unknown. No extra partner required under the current self-fertility guidance. Inventory match: 3 of 4 found (2 named Italian plums, row 109; 2 Italian seedlings, row 110). Lovell is a peach rootstock, which suggests grafted trees; confirm whether any are seedlings.	111 (109, 110)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R11-C8	D8-E14-S35	CR	Contender Tag PC-Contender; inventory name: Contender Mid; red-orange skin; very hardy; non-browning flesh Cultivar profile	Peach	Standard	Unconfirmed	Self-fertile	Self-fertile Planted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Inventory match: 1 of 2 purchased found.	85 (79)
R11-C9	D8-E32-S35	RH	Redhaven Tag PC-Rd Haven; inventory name: Redhaven Early; red-blushed, little fuzz; sweet yellow flesh Cultivar profile	Peach	Semi Dwarf	Unconfirmed	Self-fertile	Self-fertile Planted Pseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Pseudomonas positive, untreated.	89 (84)
R11-C10	E8-E0-S35	JH	JH Hale - DEAD Tag PC-Hale	Peach	Semi Dwarf	Unconfirmed	Self-fertile	R11-C10: JH Hale (tag PC-Hale, inventory row 88) reported dead October 17, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Intrepid (peach) in 2027, described in the planting plan.	88 (83)
R11-C11	E8-E18-S35	FT	Frost Tag PC-Frost; inventory name: Frost Mid; leaf curl resistant; yellow-green skin, pink bloom Cultivar profile	Peach	Semi Dwarf	Unconfirmed	Self-fertile	Self-fertile Planted Pseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Pseudomonas positive, untreated.	87 (81)
R11-C12	E8-E36-S35	CH	Canadian Harmony - DEAD Tag PC-Can Harm	Peach	Semi Dwarf	Unconfirmed	Self-fertile	R11-C12: Canadian Harmony (tag PC-Can Harm, inventory row 84) reported dead October 18, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Contender (peach) in 2027, described in the planting plan.	84 (78)
R11-C13	F8-E4-S35	RC	Reliance Tag PC-Reliance; inventory name: Reliance Early; very hardy, late bloom; soft, sweet, juicy Cultivar profile	Peach	Standard	Unconfirmed	Self-fertile	Self-fertile Planted Pseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Inventory match: 2 of 3 purchased found. Pseudomonas positive, untreated.	90 (85, 86, 87)
R12-C1	A8-E47-S15	HT	Harcot Tag AT-Harcot; inventory name: Harcot Mid; orange, red blush; late bloom, canker resistant Cultivar profile	Apricot	Semi Dwarf	Unconfirmed	Self-fertile	Self-fertile Planted Pseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Pseudomonas positive, untreated.	69 (48)
R12-C2	B8-E15-S15	MP	Moorpark Tag AT-moorpark; inventory name: Moore Park Mid; large orange, red-specked; rich flavor; fresh, dried Cultivar profile	Apricot	Not recorded	Unconfirmed	Self-fertile	Self-fertile Planted Pseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Inventory match: 2 found, but 1 Moorpark was purchased. Patterson (row 50) was not found; one of these may be Patterson. Pseudomonas positive, untreated; 1 of the 2 trees with this tag.	70 (49)
R12-C5	C8-E19-S15	IPL	Italian Plum Tag PM- It Lov; inventory name: Italian Lovell Mid; dark blue prune plum; sweet, freestone, dries well Cultivar profile	Plum	Not recorded	Unconfirmed	Not recorded	Self-fertile Planted Tag "Italian Lovell": Italian plum, probably on Lovell rootstock. The named Italian plum is self-fertile or partly self-fertile in references; if one of these is a purchased Italian seedling, its fertility is unknown. No extra partner required under the current self-fertility guidance. Inventory match: 3 of 4 found (2 named Italian plums, row 109; 2 Italian seedlings, row 110). Lovell is a peach rootstock, which suggests grafted trees; confirm whether any are seedlings.	111 (109, 110)
R12-C6	C8-E37-S15	IPL	Italian Plum Tag PM- It Lov; inventory name: Italian Lovell Mid; dark blue prune plum; sweet, freestone, dries well Cultivar profile	Plum	Not recorded	Unconfirmed	Not recorded	Self-fertile Planted Tag "Italian Lovell": Italian plum, probably on Lovell rootstock. The named Italian plum is self-fertile or partly self-fertile in references; if one of these is a purchased Italian seedling, its fertility is unknown. No extra partner required under the current self-fertility guidance. Inventory match: 3 of 4 found (2 named Italian plums, row 109; 2 Italian seedlings, row 110). Lovell is a peach rootstock, which suggests grafted trees; confirm whether any are seedlings.	111 (109, 110)
R12-C9	D8-E41-S15	RC	Reliance Tag PC-Reliance; inventory name: Reliance Early; very hardy, late bloom; soft, sweet, juicy Cultivar profile	Peach	Standard	Unconfirmed	Self-fertile	Self-fertile Planted Pseudomonas + Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Inventory match: 2 of 3 purchased found. Pseudomonas positive, untreated.	90 (85, 86, 87)

Position	Spot SiteRef	Code	Variety and tag	Fruit type	Rootstock	Bloom / FG	Fertility (workbook)	Planning notes / nearest candidates	Inventory row (Fruit row)
R12-C10	E8-E9-S15	UNK	Unidentified peach Tag PC-Unk; inventory name: Unknown	Peach	Not recorded	Unconfirmed	Not recorded	UnidentifiedPlantedPseudomonas + Unidentified peach, possibly Contender, Elberta, Reliance, or Veteran. Not counted as a pollen donor until identified. Unconfirmed — no screened partner in the available data. Inventory match: Tag PC-Unk. Purchased peaches not otherwise found at Prairie: Contender 1, Elberta 1, Reliance 1, Veteran 1. Unidentified peach possibility list Pseudomonas positive, untreated.	91
R12-C11	E8-E27-S15	BS	BlazingStar - DEAD Tag PC-Blaz Star	Peach	Not recorded	Unconfirmed	Self-fertile	R12-C11: BlazingStar (tag PC-Blaz Star, inventory row 83) reported dead October 18, 2026 (it died in its pot before planting). Leave this spot open; the plan is a new Harrow Diamond (peach) in 2027, described in the planting plan.	83 (77)
R12-C12	E8-E45-S15	UNK	Unidentified peach Tag PC-Unk; inventory name: Unknown	Peach	Not recorded	Unconfirmed	Not recorded	UnidentifiedPlantedPseudomonas + Unidentified peach, possibly Contender, Elberta, Reliance, or Veteran. Not counted as a pollen donor until identified. Unconfirmed — no screened partner in the available data. Inventory match: Tag PC-Unk. Purchased peaches not otherwise found at Prairie: Contender 1, Elberta 1, Reliance 1, Veteran 1. Unidentified peach possibility list Pseudomonas positive, untreated.	91
R12-C13	F8-E13-S15	EA	Elberta Tag PC-Elberta; inventory name: Elberta Late; large golden-yellow; sweet, firm freestone Cultivar profile	Peach	Standard	Unconfirmed	Self-fertile	Self-fertilePlanted Self-fertility is useful insurance; local bloom and insect activity still affect cropping. No extra partner required under the current self-fertility guidance. Inventory match: 1 of 2 purchased found.	86 (80)

Not in the Main Orchard

Nut trees are kept out of the main orchard. Rootstock quantities below are the remaining stock, excluding the M-111 already planted at R6-C3. The three Urban apples are living trees planned for planting outside the orchard; their new grid locations have not been supplied. The Boise trees were not moved to Prairie. Windbreak, east-hedge, and berry guild plants are covered in the windbreak section and the site plan notes.
A SiteRef of PENDING means no individual location has been supplied; it does not assign one coordinate to an inventory quantity group.

Inventory row	Item	Qty	SiteRef	Status and notes
38	Apple — EMLA7 Apple Rootstock · Tag AL-Rtsk-EMLA7	2	PENDING	Rootstock: graft first, then plant in reserved row R1. Ungrafted EMLA 7 rootstock, for grafting.
56	Apple — M 111 Rootstock · Tag AL-Rstk M111	11	PENDING	Rootstock: graft first, then plant in reserved row R1. Ungrafted M-111 rootstock, for grafting. 1 of the original 12 already planted at R6-C3; the quantity here is the remaining stock.
61	Apple — Ukn Rootstock · Tag AL-Rtsk Unk	1	PENDING	Rootstock: graft first, then plant in reserved row R1. Rootstock of unknown type, for grafting.
67	Apricot — Chinese (Mormon) · Tag AT-Chinese	1	PENDING	Still in Boise (girdled, mulched); not planned for Prairie.
74	Cherry — Craigs Crimson · Tag CR-Crimson	1	PENDING	Still in Boise (girdled, mulched); not planned for Prairie.
112	Hican · Tag hican	10	PENDING	Nut tree: kept out of the main orchard.
113	Pecan	4	PENDING	Nut tree: kept out of the main orchard. 4 of 10 purchased found.
114	Walnut — English · Tag WL-Enligsh	4	PENDING	Nut tree: kept out of the main orchard. Not on the Fruit sheet. The inventory notes 3 are already planted.
115	Walnut — Heartnut Japanese · Tag WL-Heart J	2	PENDING	Nut tree: kept out of the main orchard.
64	Tandgy green Urban Columnar · Tag AL-UrbGrn	1	PENDING	R4-C9: Tandgy green Urban Columnar (tag AL-UrbGrn, inventory row 64) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Haralson (apple) in 2027, described in the planting plan.
65	Tasty Red Urban Columnar · Tag AL-UrbR	1	PENDING	R5-C9: Tasty Red Urban Columnar (tag AL-UrbR, inventory row 65) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Williams' Pride (apple) in 2027, described in the planting plan.
63	Blushing Delight Urban Columnar · Tag AL-UrbGld	1	PENDING	R5-C10: Blushing Delight Urban Columnar (tag AL-UrbGld, inventory row 63) not planted in the orchard (owner update October 11, 2026). This living tree is planned for planting outside the orchard; grid location pending. Leave this spot open; the plan is a new Priscilla (apple) in 2027, described in the planting plan.

M-111 apple rootstock planted at R6-C3. No scion cultivar is recorded; not counted as a fruit tree or pollen partner until grafting and cultivar identification are recorded.

3 living Urban apples will be planted outside the orchard; grid locations are pending. Their former orchard slots stay open for new trees in 2027 and are not used for spare rootstocks now.

Penn State notes that black walnut and butternut are the best-known sources of juglone, a compound that injures many plants, and that English walnut and hickories (the group that includes pecans and hicans) also produce it to a lesser degree. Heartnut is a walnut closely related to butternut. Site these nut trees away from the orchard rather than beside it.

Once grafted, 13 of the 14 remaining rootstocks go in reserved row R1; the other 1 is a spare for a graft that fails or a later replacement. R13–R15 are held open for more trees you buy or graft later.

The 2027 planting plan names a cultivar for every open spot in R1 to R12: 49 in all (the 8 spots held for replacements, 28 other empty positions, and the 13 reserved spots in R1, which are grafted). They show as green cells and are not counted as trees or pollen partners until the trees are in the ground. R13–R15 stay open for later.

The Chinese apricot and Craig's Crimson cherry are still in Boise (girdled and mulched) and are not part of the Prairie plan.

Planning Corrections and Sources

Canonical JSON in data/ supplies the current records, with the original inventory and purchase workbooks retained for provenance. Owner-reported losses and outside-orchard plans leave their original slots open and are excluded from orchard counts and pollen partners. The M-111 planted at R6-C3 is allocated from inventory row 56; 11 of that line's original 12 rootstocks remain available. It is not a fruit tree or pollen partner without a recorded scion cultivar. Every inventory line is matched to its purchase record(s) in the reconciliation table. When one inventory line matches several records of the same cultivar, the first record's cultivar data is used and the rootstock lists the possibilities. Plot dimensions, windbreaks, hedges, juniper distance, planting updates, and white pine losses are retained in the JSON records. Berry bushes are matched to the original Berry sheet.

Invalid cross-species spreadsheet entries are not used: Bartlett/Moonglow/Anjou are not cherry pollenizers, and Jefferson/Theta are not pear pollenizers. The size note in the Asian Hardy Giant pollenizer cell is not a pollination relationship.

Planning corrections are separate from the source fields: Liberty donor status remains disputed; Lapins and Montmorency are treated as self-fertile; Bing is not treated as reliably self-fertile; J.H. Hale needed another peach despite its workbook label (it has since died). Original fertility values remain visible in the inventory.

Apple flowering-group research is dated September 24, 2026 and linked in its own table. Workbook FG values drive the grid colors, bloom labels, and candidate screening. Seed-grown Kerr uses group 2 only as an owner-approved best guess (FG 2?). Qualitative Urban Apple bloom seasons remain unnumbered.

Pseudomonas (bacterial canker) results come from the inventory. Positive, untreated trees are flagged but not relocated; the layout is driven by pollination.

Before planting, confirm cultivar identities, bloom overlap, local climate suitability, rootstock and mature size, and insect activity. Windbreak sizes and spacings are planning values from the cited guides; adjust them to the plants you have.

1. Flowering groups and overlapping bloom — Orange Pippin

2. Fruit-tree pollination, cultivar identity, and cherry/plum cautions — Cummins Nursery

3. Apple cross-compatibility and pollenizers — Washington State University

4. Liberty: disputed ploidy and pollenizing ability — Orange Pippin

5. Pear bloom and pollination chart — Stark Bro’s

6. Perry-pear flowering observations — National Perry Pear Centre

7. Summercrisp: Parker named as a pollenizer — Charlie the Tree Guy

8. Sweet-cherry compatibility and bloom chart — Oregon State University

9. J.H. Hale: almost any other peach except Elberta; Veteran named — UC Davis Foundation Plant Services

10. J.H. Hale pollinizers and the Elberta exception — Ask Extension
11. Windbreak row spacing, in-row spacing, end extension, and protection distance — University of Nebraska–Lincoln EC1767

12. Hybrid hazelnut growth habit, spacing, hand harvest, and coppicing — Upper Midwest Hazelnut Development Initiative

13. Hazelnut seedlings ripening late August into October — UMHDI harvest timing bulletin

14. Hybrid hazelnuts in windbreaks: taller tree rows at least 15 ft away — USDA National Agroforestry Center

15. Theta as a Jefferson hazelnut pollenizer — Oregon State University

16. Elderberry spacing and hardwood cuttings — West Virginia University Extension

17. Currant and gooseberry spacing, sun, self-fertility, and jostaberry rust resistance — University of Minnesota Extension

18. White pine blister rust: five-needle pines and currant/gooseberry hosts — WSU HortSense
19. Honeyberries: partial shade and two varieties for pollination — University of Alaska Fairbanks Cooperative Extension

20. Comfrey: deep roots make it difficult to eradicate — WSU HortSense

21. Red mulberry size, male/female trees, and pruning time — Missouri Botanical Garden

22. Red mulberry: a tree, root sprouting, and crosses with white mulberry — USDA Forest Service (FEIS)

23. Red vs. white mulberry: open-grown form and western windbreaks — Purdue Extension FNR-237

24. Harvesting mulberries by shaking branches over a tarp — Ask Extension

25. Mulberry pruning: cuts on limbs 2 in or thicker heal poorly — Ask Extension

26. Cedar-apple rust and keeping junipers away from apples — University of Minnesota Extension

27. Juglone and nut trees — Penn State Extension

Prairie Plants Orchard — Inventory-based planting plan, October 4, 2026; planting status updated October 18, 2026 — 237 × 600 ft orchard plot plus 35 ft west windbreak, C1 berry guilds, and east elderberry hedge — 13 across — 18 × 20 ft triangular offset — Planning schematic; verify site suitability, identities, and bloom before planting.