2026 Season Review and 2027 Plan

Corvallo Farms · Board meeting, Thursday, February 25, 2027

Corvallo Farms and everyone named here are invented, and the data are simulated.

The four questions

Water, orchard health, the huller and direct sales.

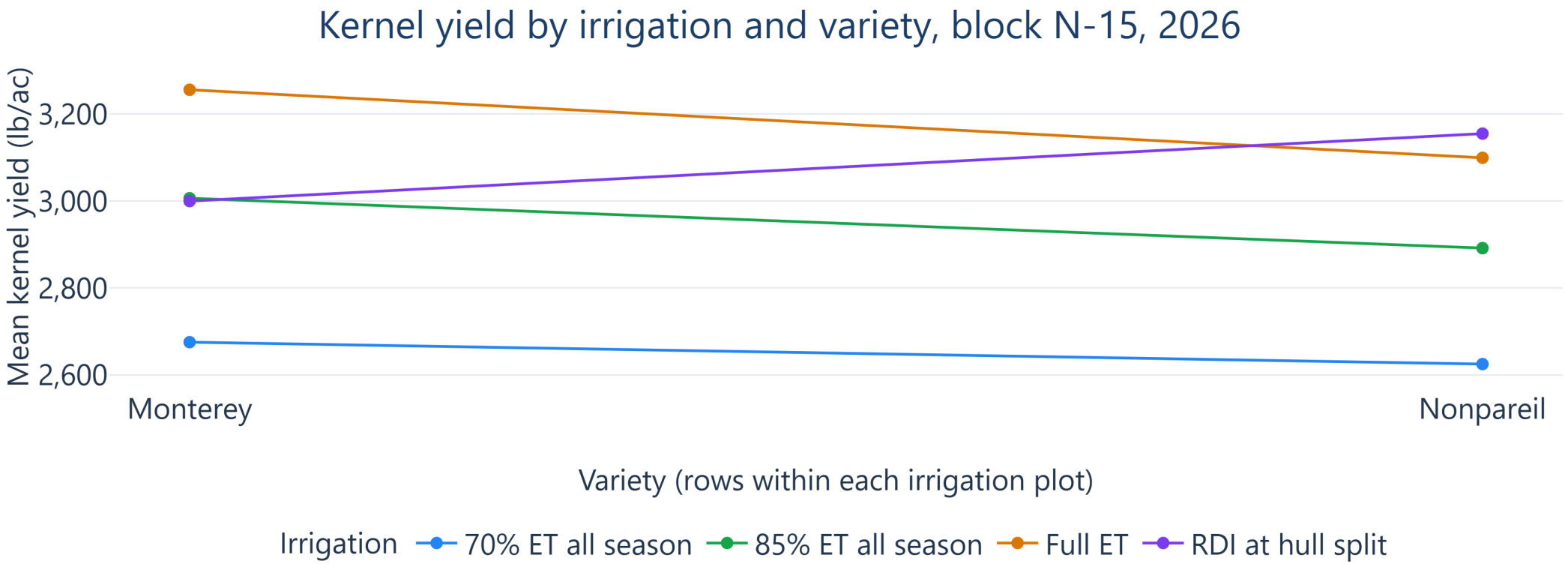
1. If water is short in 2027, how do we cut it with the least crop lost, and does it matter which variety is in the row?

2. Which sections do we replant and which blocks do we pull, where do we look next year, and what goes with worm damage?

3. Can we promise the buyer kernel moisture between 4.0% and 6.0%, and can we trust our meter?

4. Did the promotions pay, did the holiday packing plan work, and how do we pack in 2027?

Backing off at hull split



Backing off at hull split saved about 5 inches of water; Nonpareil showed no detectable loss, but Monterey, cut early, lost about 256 lb/ac.

Source: Corvallo Farms - Irrigation by variety trial 2026 (n = 40)

What the trial means for a short year

Nonpareil: back off at hull split, not all season; Monterey waits for year two.

	Nonpareil	Monterey
Full ET, mean kernel yield (lb/ac)	3,099	3,256
RDI at hull split	3,155	3,000
85% ET all season	2,892	3,006
70% ET all season	2,625	2,675
Full ET minus RDI (lb/ac, Tukey 95% interval)	−56 (−301 to 190)	256 (88 to 423)
Water applied, Full ET / RDI (inches per acre)	57.88 / 52.96	same valves

Eight years of block records

Water shortfall, age past the 22nd leaf and salt went with less crop.

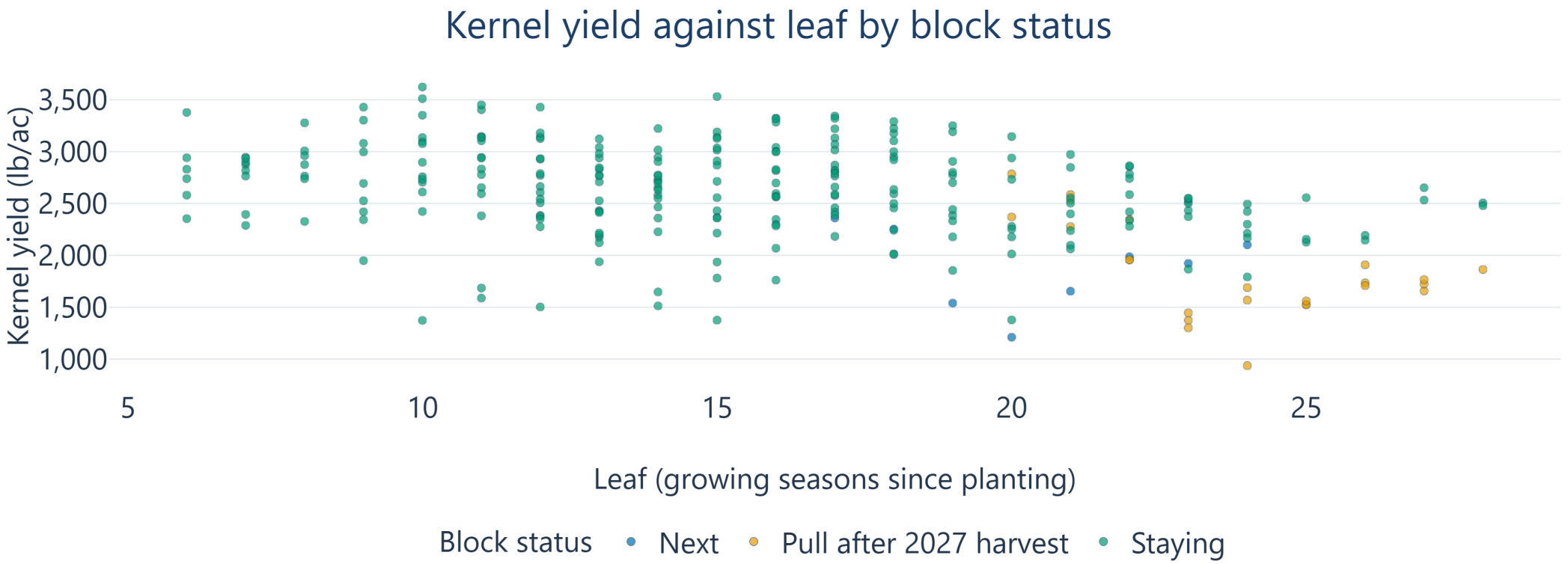
Term	Estimate (lb/ac)	95% interval (lb/ac)
Water shortfall (% of ET), per point	−23.08	−28.40 to −17.77
Prior shortfall (% of ET), per point	−12.46	−17.77 to −7.15
Leaf past 22nd, per leaf	−109.82	−135.66 to −83.97
Soil ECe (dS/m), per dS/m	−413.48	−597.34 to −229.63

The October walk

The walk found decline in 176 of 665 sections, 880 acres.

Orchard block	Sections with decline	Leaf 2026	Stand 2026 (% of trees)	Mean kernel yield 2025-2026 (lb/ac)	Decision
W-04	26 of 31	28th	95	1,761	Pull after the 2027 harvest
W-11	12 of 16	27th	81	1,817	Pull after the 2027 harvest
W-12	13 of 15	27th	81	1,737	Pull after the 2027 harvest
W-10	27 of 31	24th	86	2,013	Pull after the 2028 harvest

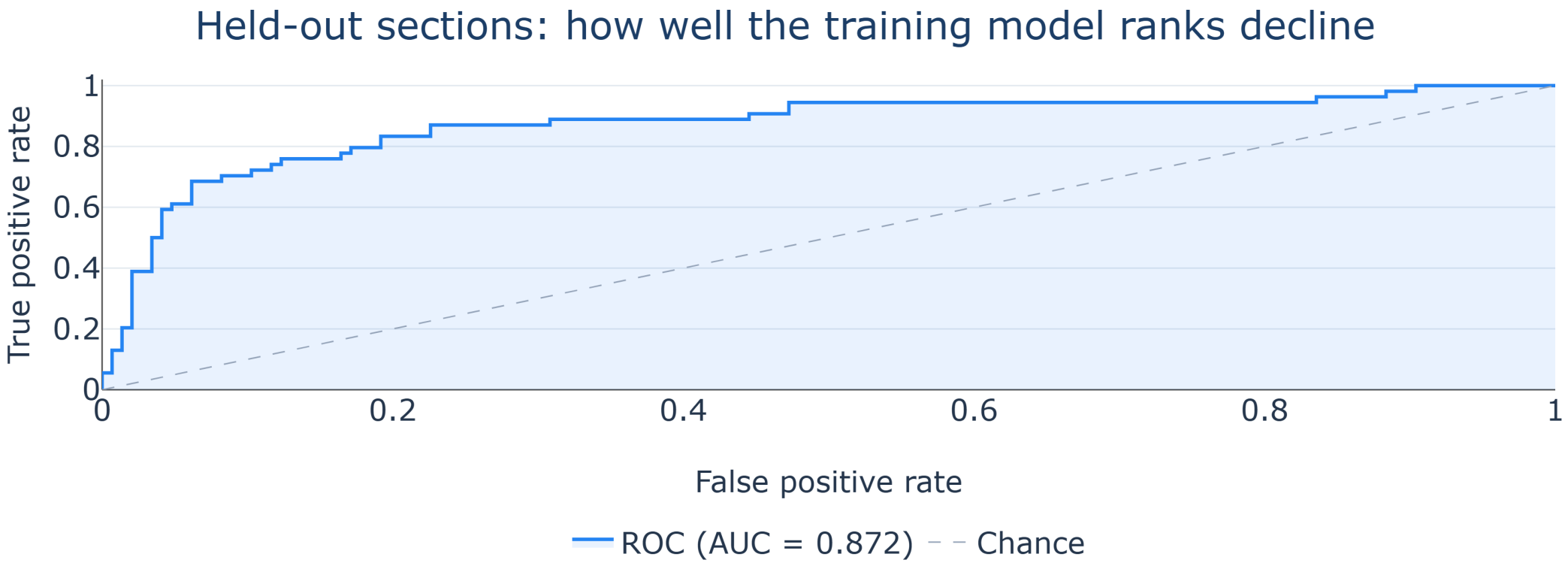
Which blocks come out, and when



W-04, W-11 and W-12 after the 2027 harvest; W-10 after the 2028 harvest.

Source: Corvallo Farms - Block records 2019-2026 (n = 267)

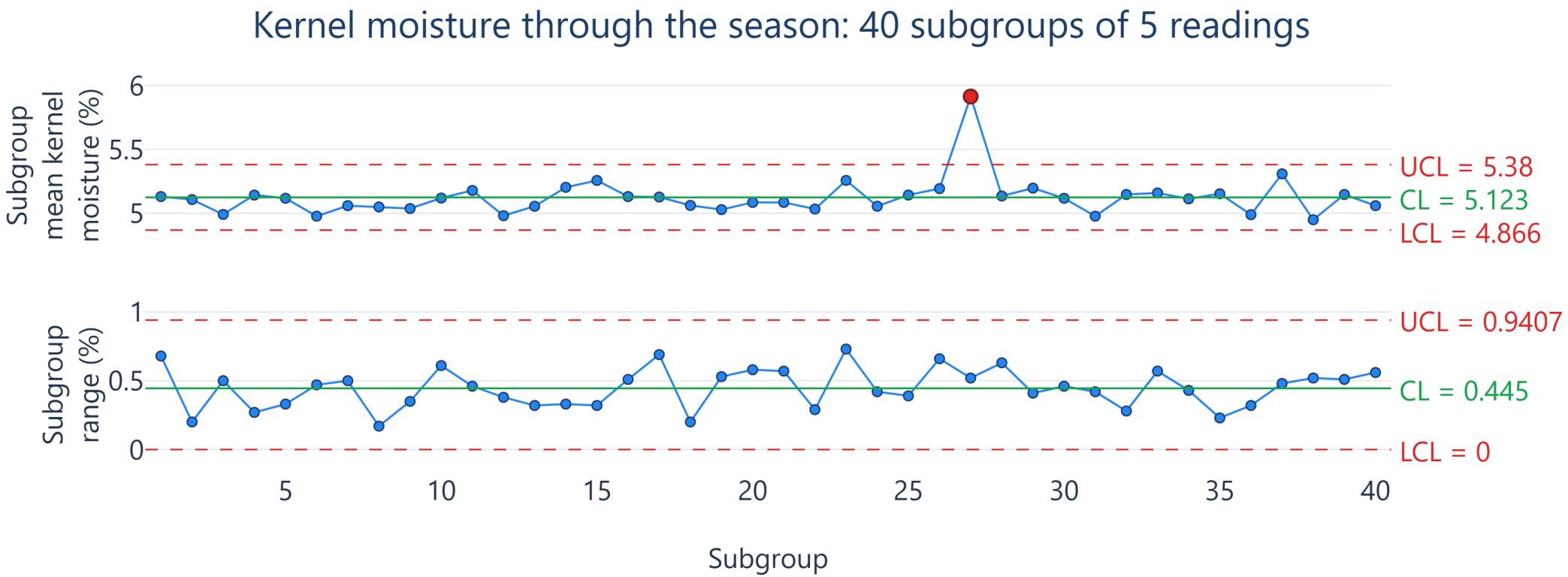
Where to look next year



On unseen sections the model caught 7 in 10 declining ones, pointing to old, salty, stressed, Nemaguard-rooted ground.

Source: Corvallo Farms - Orchard decline survey 2026 (n = 200)

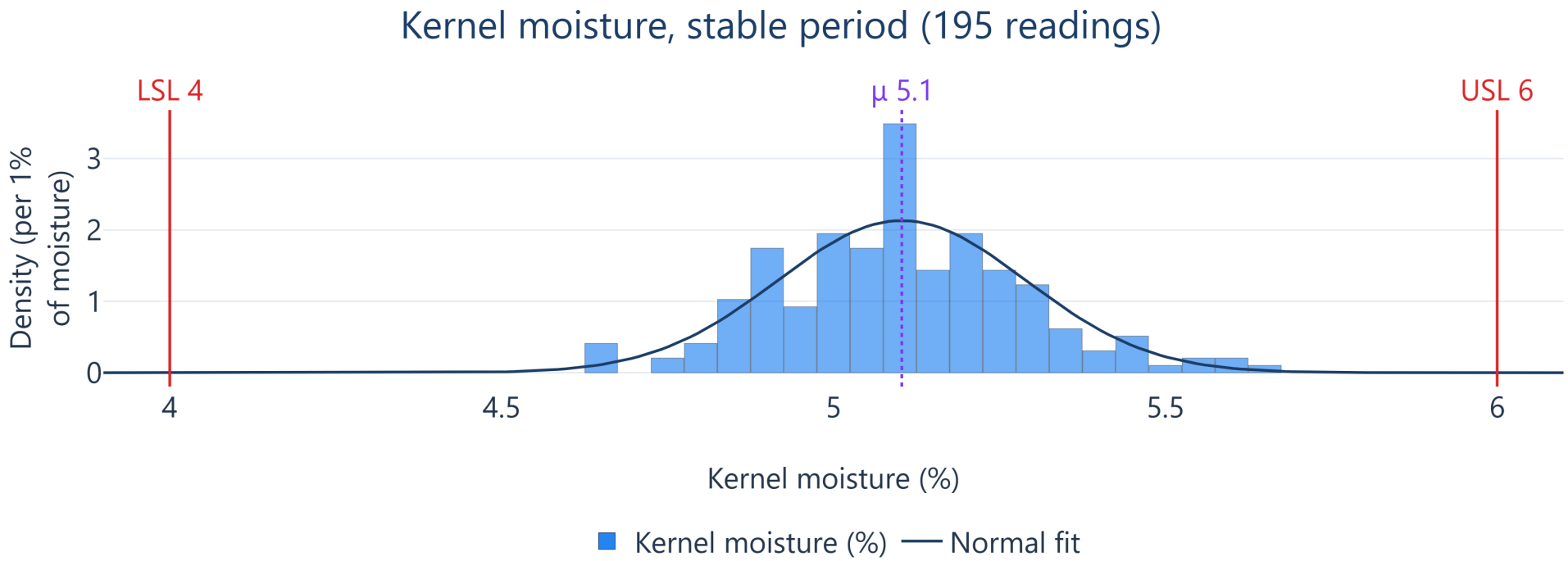
Kernel moisture through the season



One wet run (run day 14, day shift) is the only signal.

Source: Corvallo Farms - Huller kernel moisture 2026 (n = 200)

Can we promise the buyer 4.0% to 6.0%?

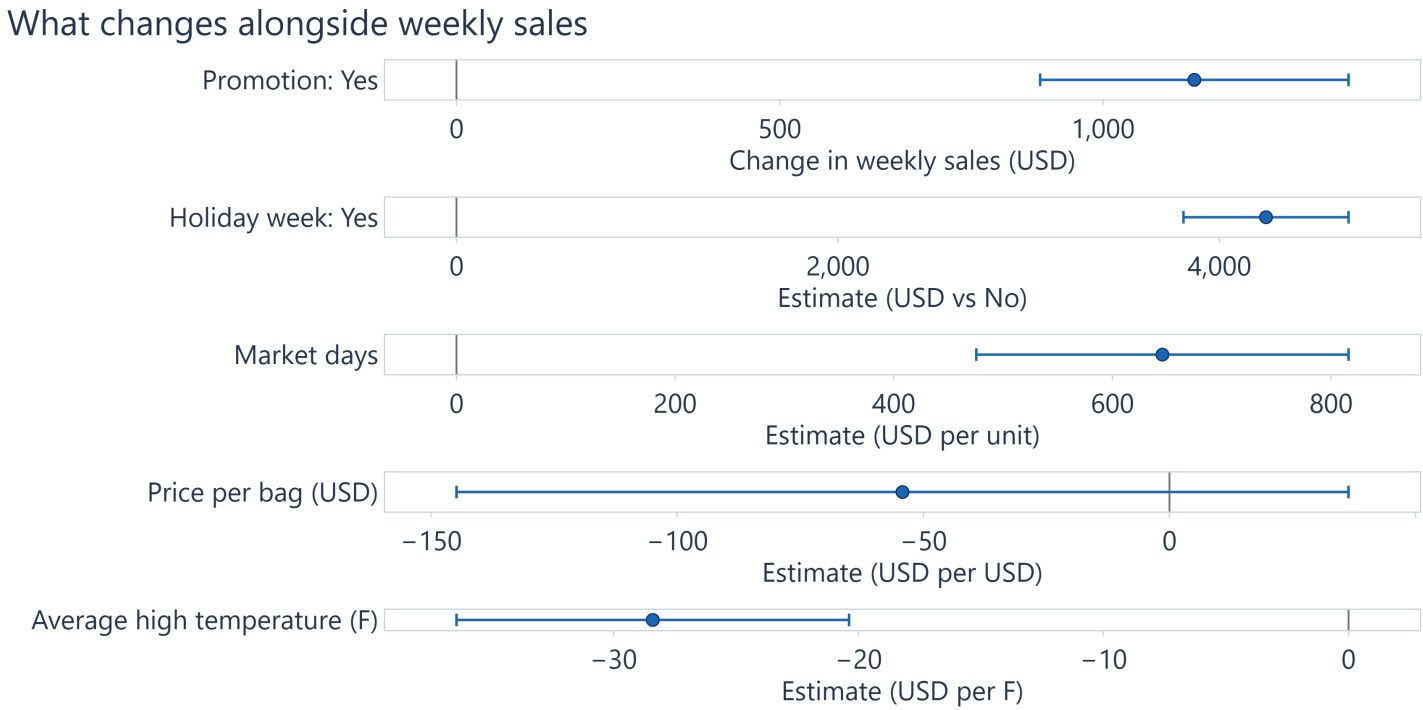


Except one wet run (two readings above 6.0%), every sample sat inside the buyer's 4.0% to 6.0%; the meter repeats well.

Stable period only (195 readings, wet run left out). All 200 readings: 2 above 6.0%, both in the wet run.

Source: Corvallo Farms - Huller kernel moisture 2026 (n = 195)

Did the promotions pay?

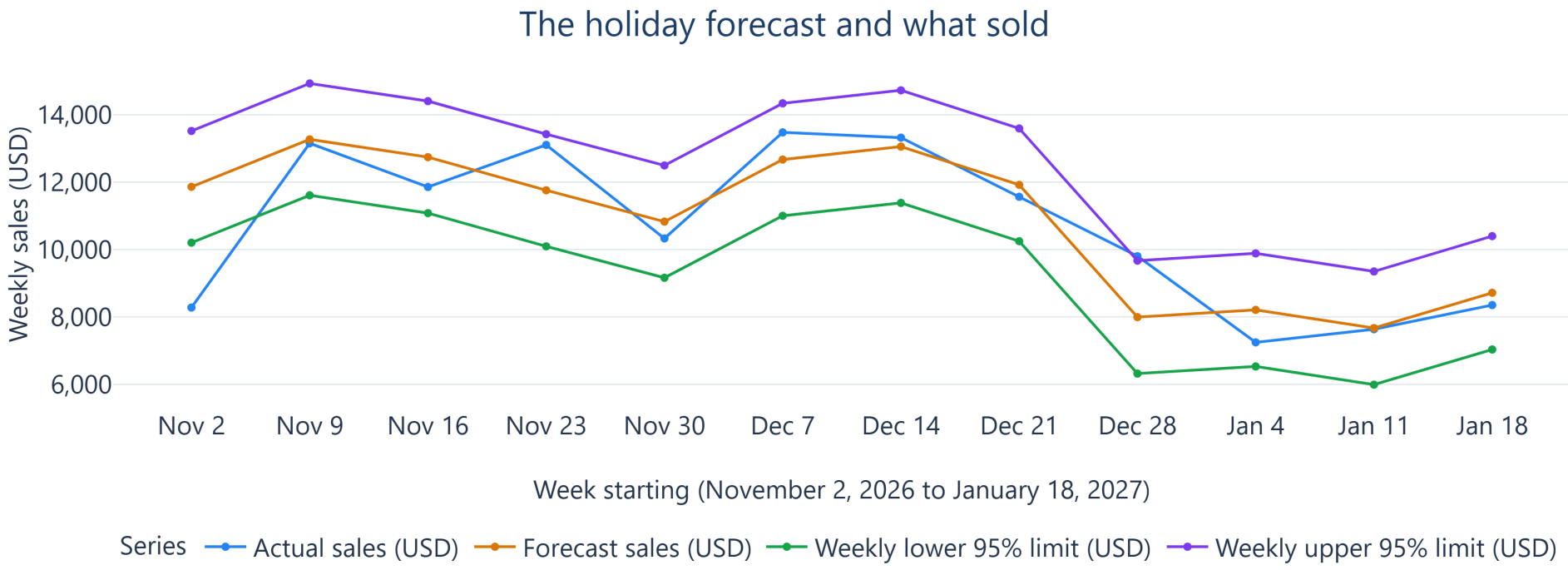


The randomized promotion added about $1,141 in an average promoted week (profit unknown).

Only the Promotion bar is a randomized comparison; the others are associations.

Source: Corvallo Farms - Weekly direct sales 2022-2026 (n = 252)

Did the holiday packing plan work?



Each point is one row. The chart describes the data; it tests nothing.

Sales fell inside the forecast range in 10 of 12 weeks.

Source: Corvallo Farms - Holiday forecast against what sold, by week (n = 12)

Recommendations and the decisions we ask for

Five recommendations, with owners and dates.

1. Short-year water: Nonpareil backs off at hull split; Monterey waits for year two. Owner: Ray; Dana costs split valves.

2. Orchard: spot-replant 98 sections; pull W-04, W-11, W-12 after 2027 and W-10 after 2028; scout 20 watch-list sections by April 15, 2027. Owners: Ray and Lupe.

3. Worm: mummies to 0.2 a tree by February 1; shake within about ten days of full hull split. Owner: Lupe.

4. Huller: find the wet run's cause; tell the buyer; oven-check the meter. Owner: Tejinder, with Marisol.

5. Sales: keep the randomized promotions; price a promoted week; repeat the October forecast-and-pack. Owners: Nora and Dana.