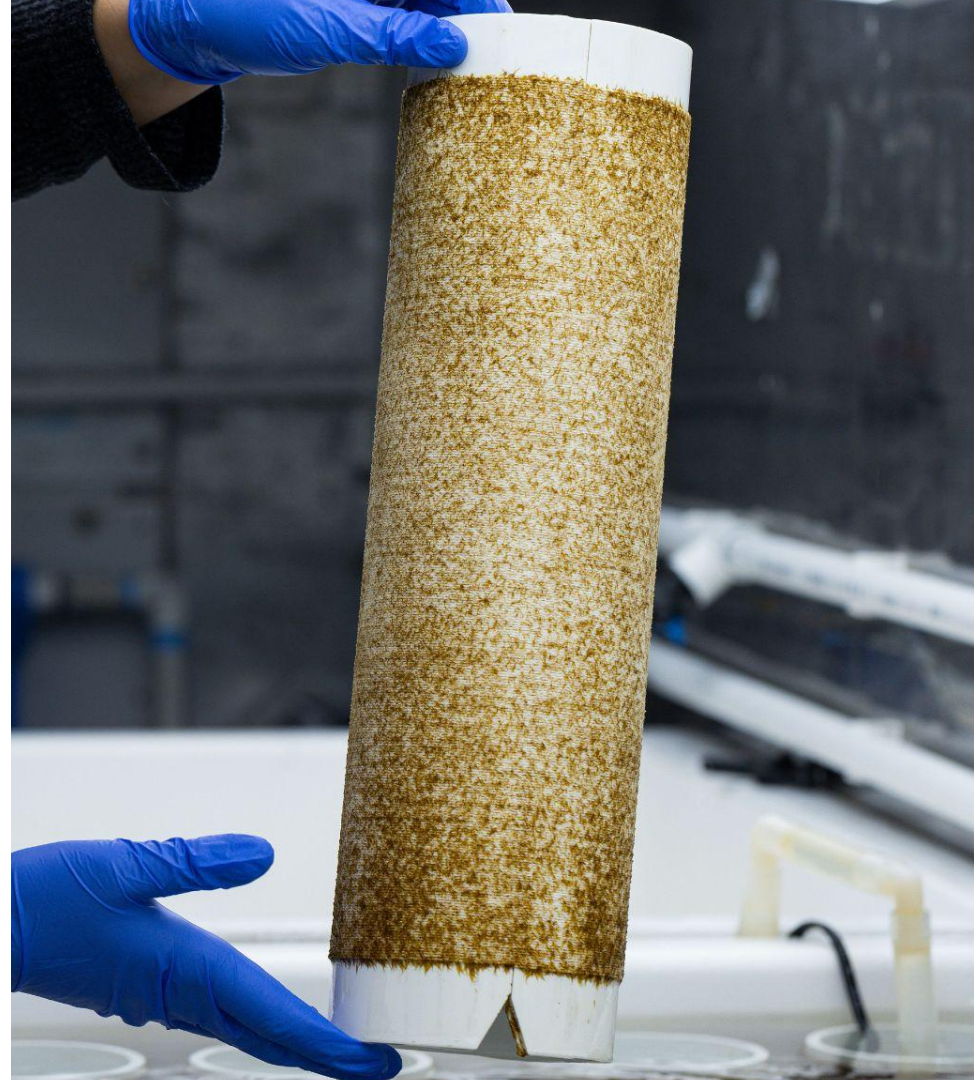




# Alaska Nursery Operators 2026 Harvest Yield Report Out

# Agenda

- Revisit our original challenge & goals
- 2025 seed quality summary
- 2026 harvest yield report out
- What comes next?



# The Challenge

Kelp nurseries across Alaska are experiencing two common challenges, which have contributed to a state-wide trend of producing variable quality seed:

1. Routine bouts of biological contamination
2. Inconsistent sporophyte density, which can lead to bare patches of growth



# The Response

- The **purpose** of the workshop was to improve seed quality across the state of Alaska.
- This season, we aspired to achieve:
  - 100% quality spools distributed to AK farmers
  - 20% increase in yield across Alaskan farms

How did we do? ...

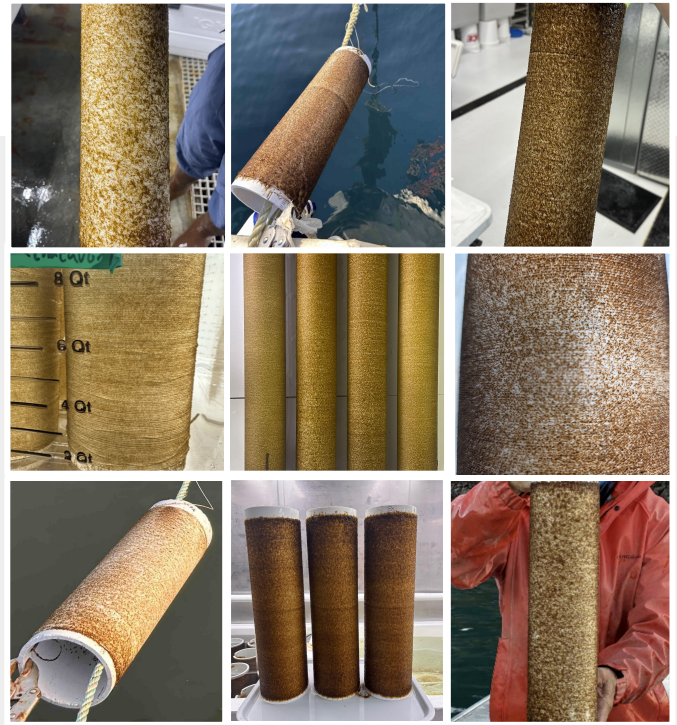


# Alaska Seed Quality Progress

2024



2025



# Alaska Seed Quality Progress

2024

2025

**34% Increase!**

**1.54 lb/ft  
Statewide  
Average Yield**

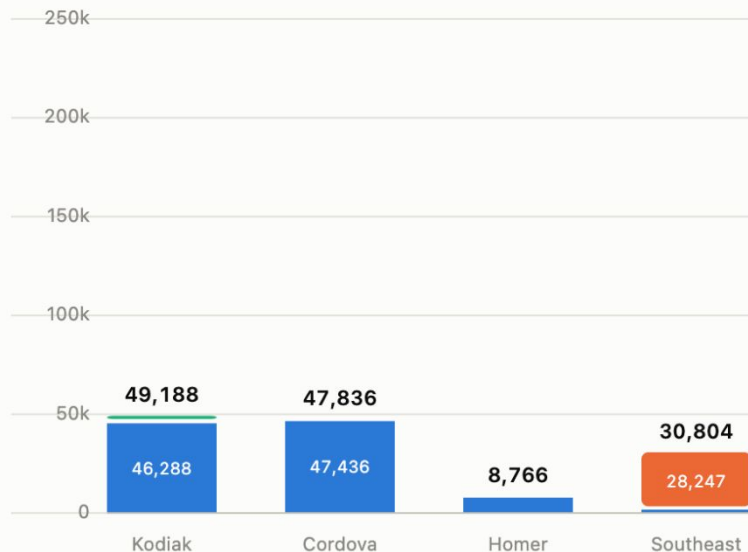
**2.06 lb/ft  
Statewide  
Average Yield**

## Alaska KCF harvest output by region & species

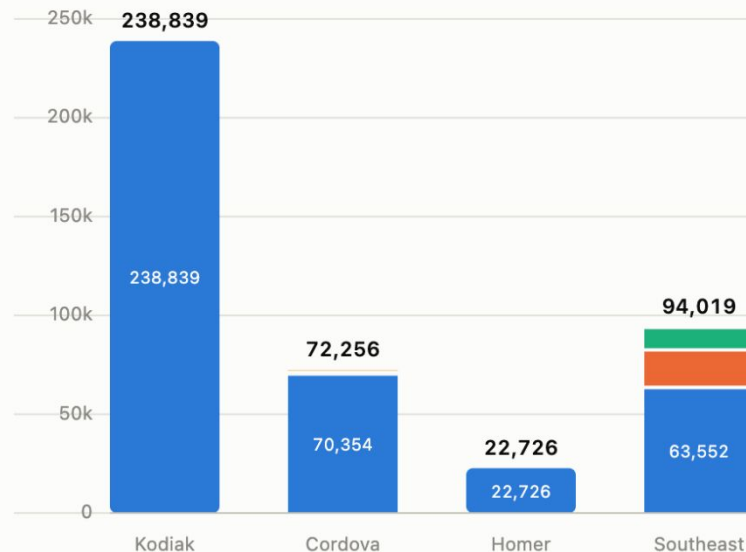
Total pounds harvested, 2024–25 vs 2025–26 seasons. Sugar kelp, bull kelp, alaria, and split kelp only. 2025–26 season is still active — totals will keep growing.

■ Sugar kelp ■ Bull kelp ■ Alaria ■ Split kelp

2024-25



2025-26



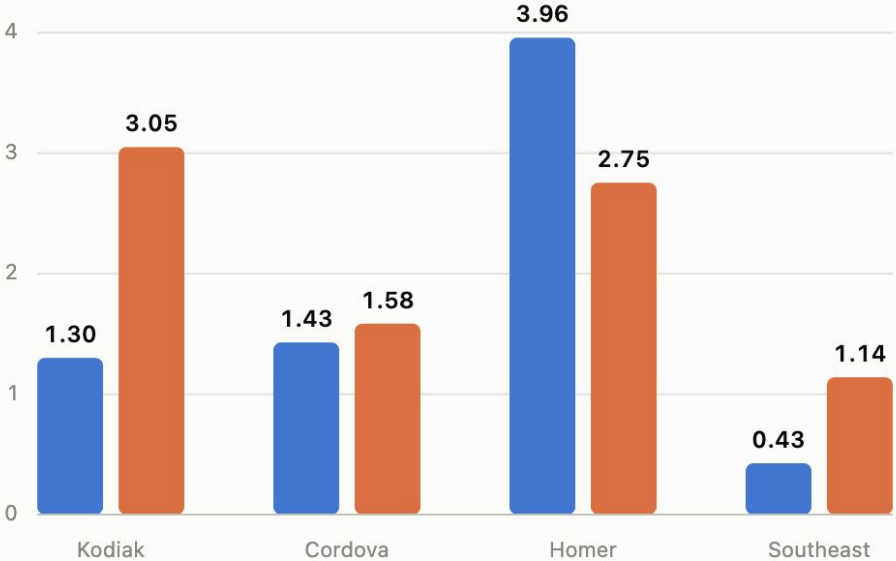
Bars are stacked by species; the number above each bar is the region's total lbs harvested that season. Bar heights share one scale across both panels so the year-over-year growth is directly comparable. Hover a segment for species-level lbs and average yield.

| REGION                 | SPECIES    | 2024–25 LBS    | 2024–25 AVG LB/FT | 2025–26 LBS    | 2025–26 AVG LB/FT |
|------------------------|------------|----------------|-------------------|----------------|-------------------|
| Kodiak                 | Sugar kelp | 46,288         | 1.30              | 238,839        | 3.05              |
| Kodiak                 | Bull kelp  | 400            | —                 | —              | —                 |
| Kodiak                 | Alaria     | 2,500          | 2.08              | —              | —                 |
| <b>Kodiak total</b>    |            | <b>49,188</b>  | <b>1.33</b>       | <b>238,839</b> | <b>3.05</b>       |
| Cordova                | Sugar kelp | 47,436         | 1.43              | 70,354         | 1.58              |
| Cordova                | Bull kelp  | —              | —                 | 402            | 1.34              |
| Cordova                | Alaria     | 400            | 0.10              | 400            | 0.17              |
| Cordova                | Split kelp | —              | —                 | 1,100          | 1.38              |
| <b>Cordova total</b>   |            | <b>47,836</b>  | <b>1.29</b>       | <b>72,256</b>  | <b>1.51</b>       |
| Homer                  | Sugar kelp | 8,710          | 3.96              | 22,726         | 2.75              |
| Homer                  | Alaria     | 57             | 0.28              | —              | —                 |
| <b>Homer total</b>     |            | <b>8,766</b>   | <b>3.65</b>       | <b>22,726</b>  | <b>2.75</b>       |
| Southeast              | Sugar kelp | 2,557          | 0.43              | 63,552         | 1.14              |
| Southeast              | Bull kelp  | 28,247         | 4.71              | 19,017         | 1.93              |
| Southeast              | Alaria     | —              | —                 | 11,400         | 1.43              |
| Southeast              | Split kelp | —              | —                 | 50             | —                 |
| <b>Southeast total</b> |            | <b>30,804</b>  | <b>2.57</b>       | <b>94,019</b>  | <b>1.28</b>       |
| <b>Statewide total</b> |            | <b>136,594</b> | <b>1.54</b>       | <b>427,840</b> | <b>2.06</b>       |

Avg lb/ft is total lbs harvested ÷ total line harvested (weighted average) for entries with valid line-footage data. A dash means no valid ratio could be computed for that species/region/year — either no harvest was logged, or the entry's yield ratio was excluded during QC.

**Sugar kelp average yield by region**

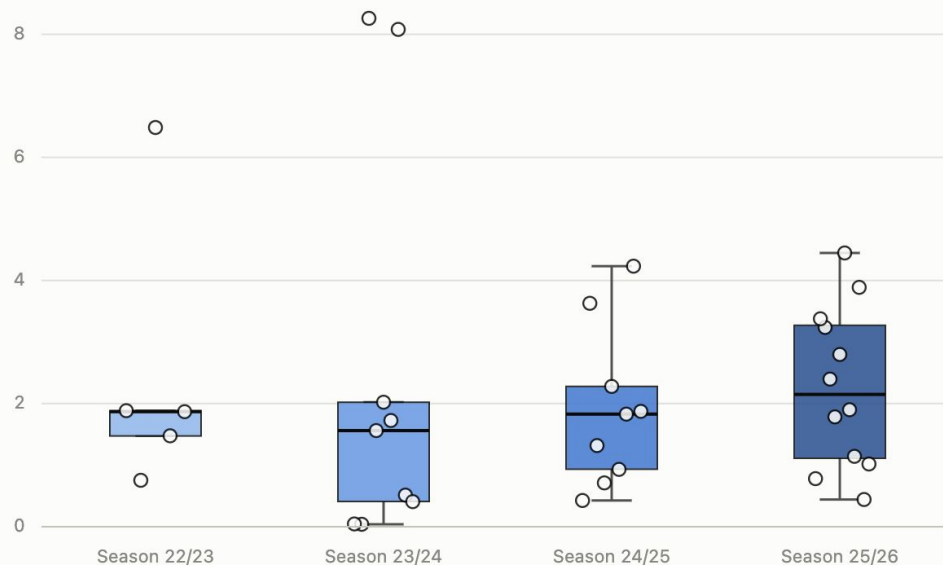
■ 2024-25   ■ 2025-26



Avg lb/ft is total lbs harvested ÷ total line harvested (weighted average) across all reporting farms in the region, sugar kelp only. Aggregated to region level only — no farm-level data shown.

## Sugar kelp yield (lbs/ft) by season — AK

Each box is one season; points are individual farm harvest records. 2024–25 and 2025–26 updated with cleaned data; 2022–23 and 2023–24 unchanged.



Box = 25th–75th percentile of that season's per-farm yield ratios; line = median; whiskers extend to the most extreme value within 1.5×IQR; points beyond that are outliers, shown on their own. Hover a box or point for its value.

A photograph of a dense evergreen forest covering a steep mountain slope. The upper part of the mountain is shrouded in thick white mist or low-hanging clouds. In the foreground, a calm body of water reflects the scene. Numerous small, colorful buoys (red, green, and white) are visible along the shoreline and in the water. The overall atmosphere is serene and somewhat somber due to the overcast sky.

# Reflections?



# What Comes Next?

- Additional research questions?
- Additional workshops?
- Updates from nursery operators for 26-27 season

# Thank You!

