Figure 1. Levels of crop losses reported as detectable by survey respondents, 2019 survey, Maine shellfish and seaweed producers.

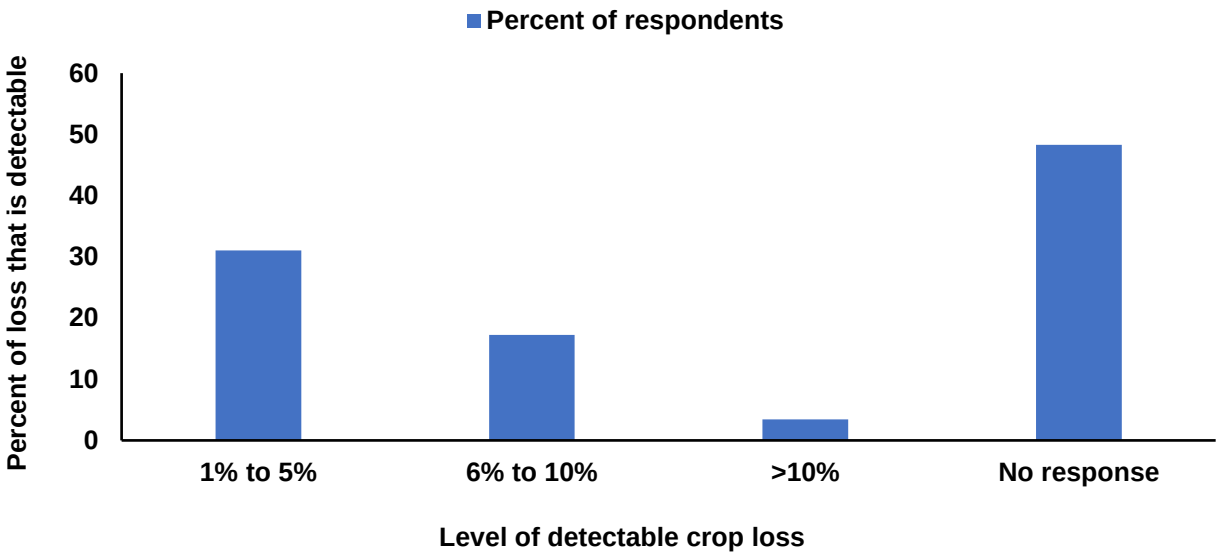


Figure 2. Frequency of mention of various types of quality attributes for oysters, 2019 survey, Maine shellfish and seaweed producers.

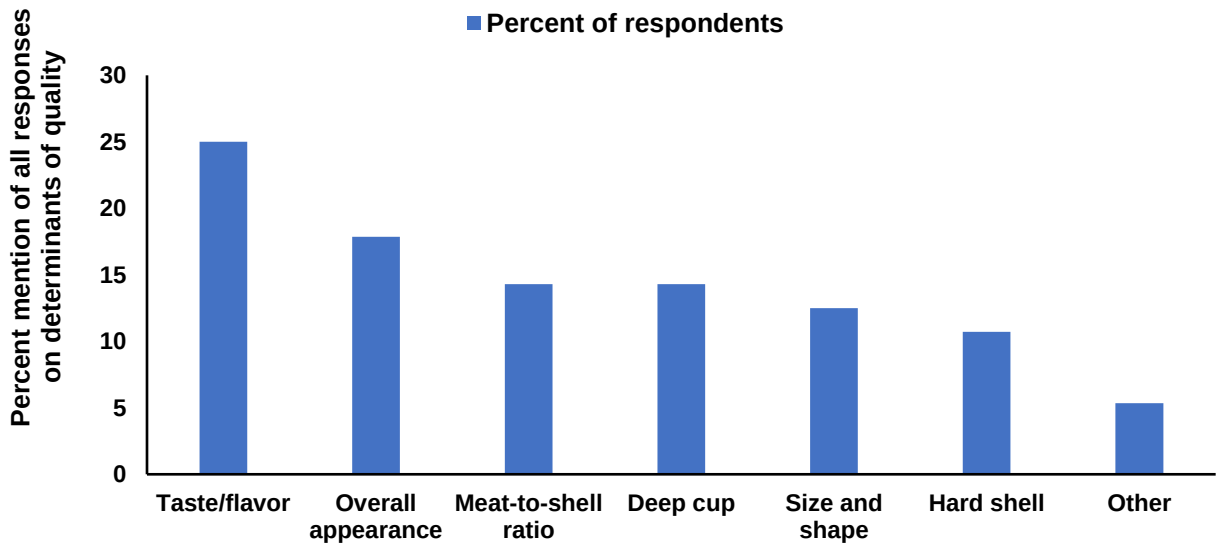


Figure 3. If a confidential web site were developed that would allow you (at no cost to your farm) to compare your farm's production and financial performance information with averages of other similar-sized farms in the region, in a way that would preserve the confidentiality of your farm's individual data, would you be interested in participating?

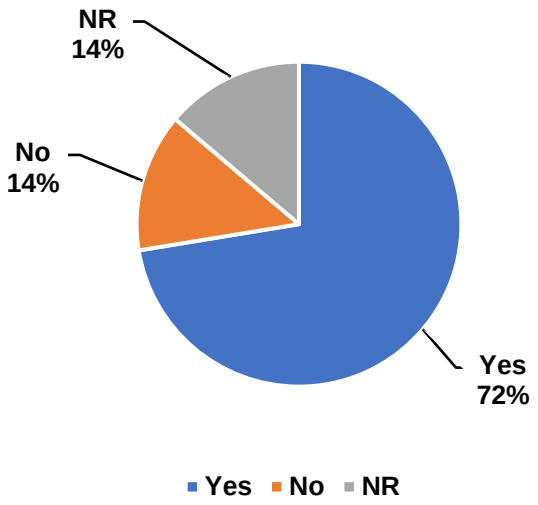


Figure 4. Mean area planted (acres) in oysters by production scale, oyster farms.

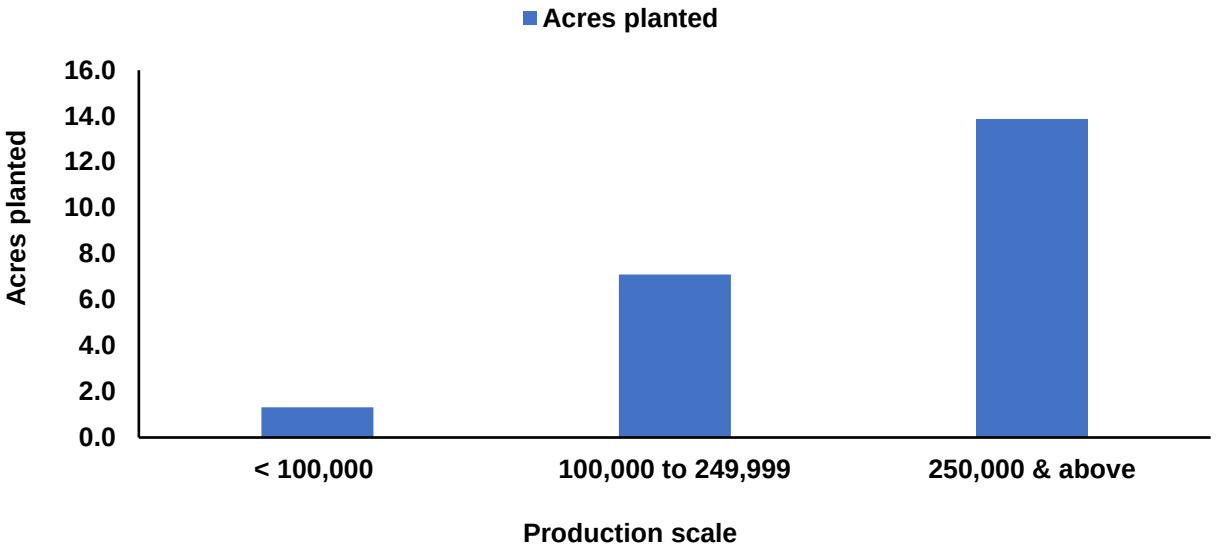


Figure 5. Productivity (mean number of oysters harvested per acre planted) by production scale, oyster farms.

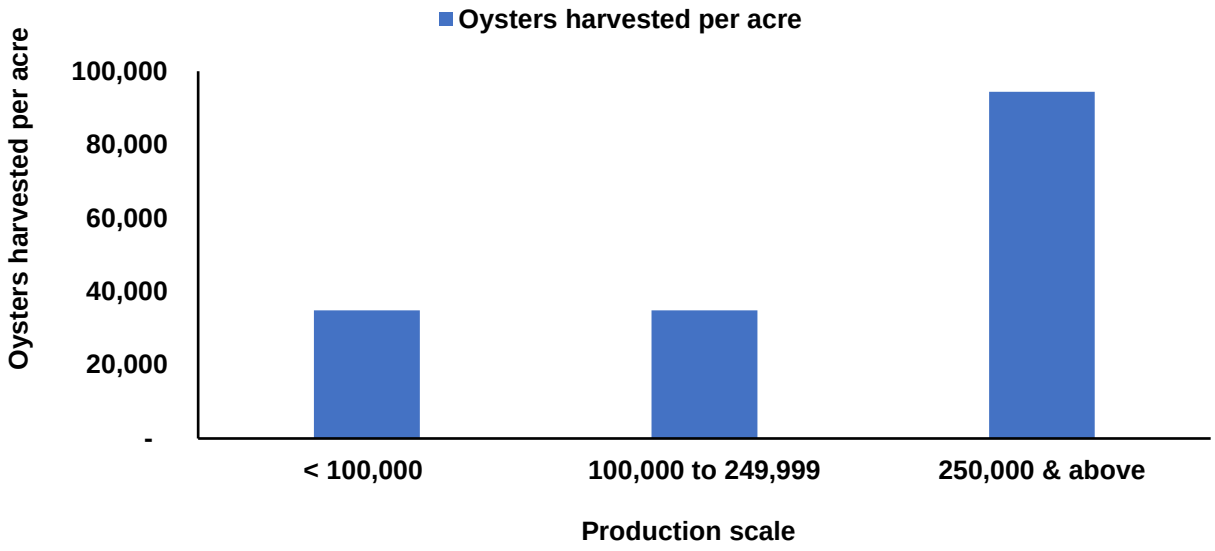


Figure 6. Labor efficiency (number of oysters harvested per hour of labor) by production scale, oyster farms.

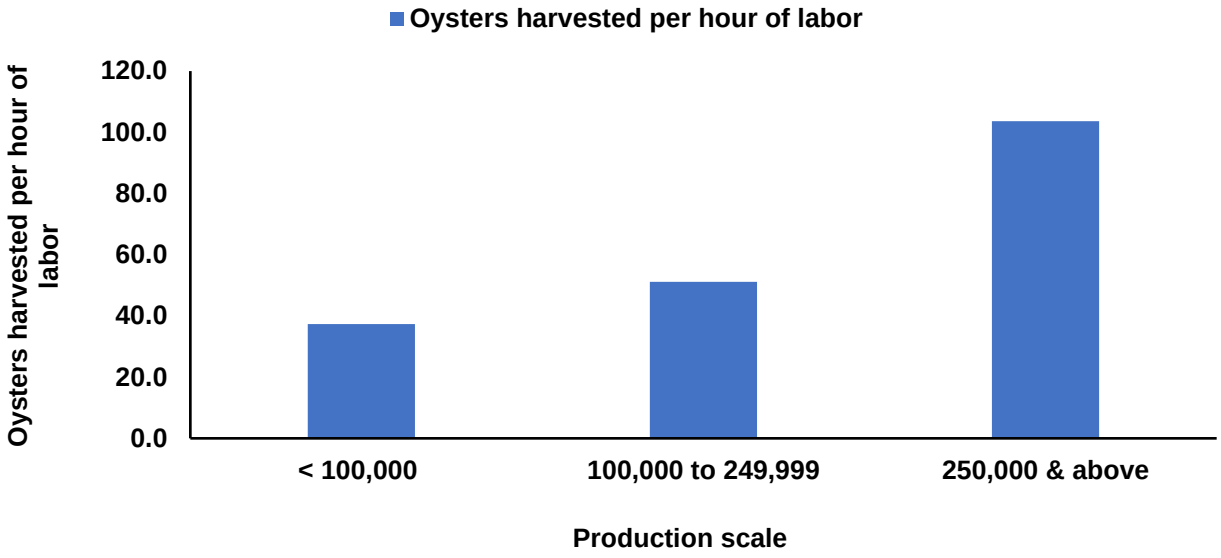


Figure 7. Investment capital efficiency ($ of investment capital per oyster harvested) by production scale, oyster farms.

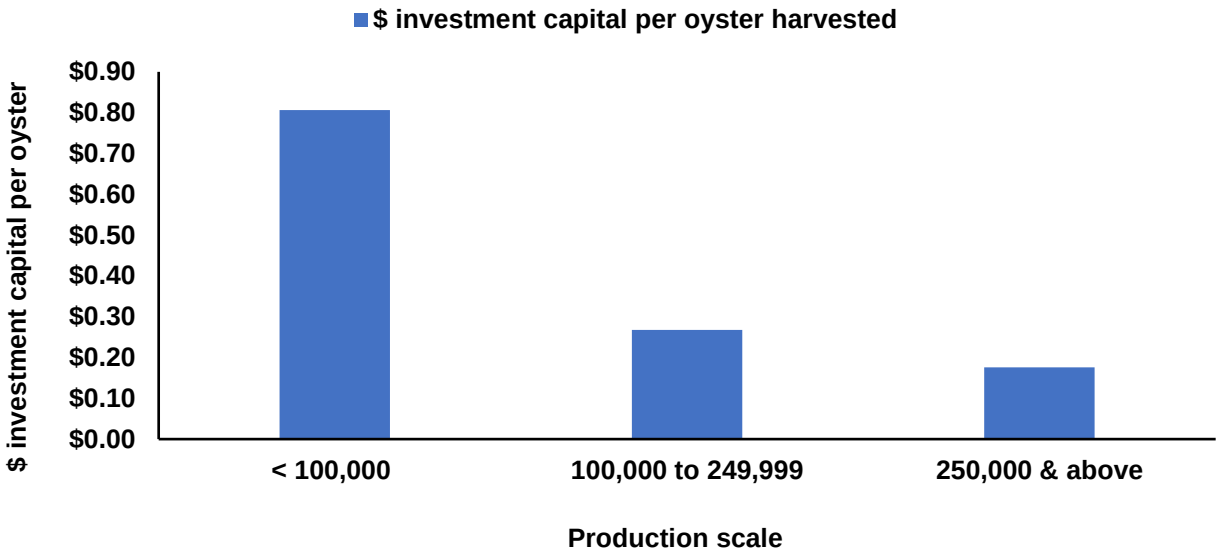
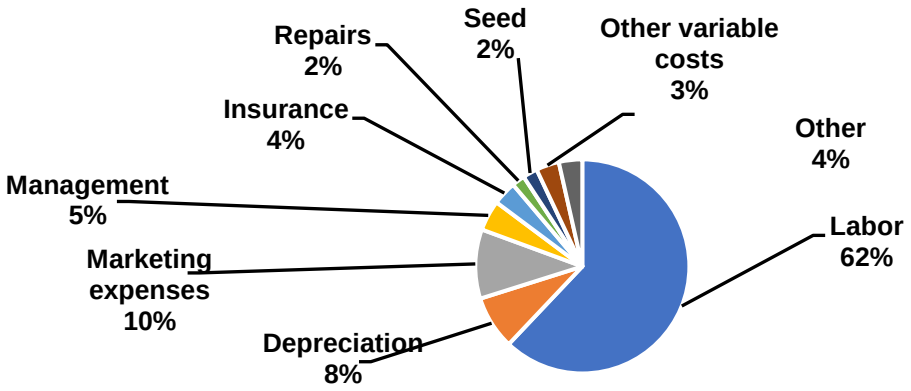
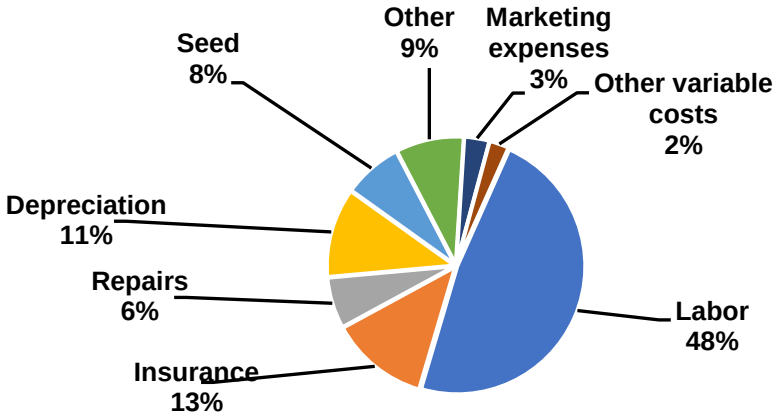


Figure 8. Cost structures on oyster farms (percentage breakdown of expenses) on: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms.

a) Established suspended culture farms



b) Established bottom culture farms



c) Startup suspended culture farms

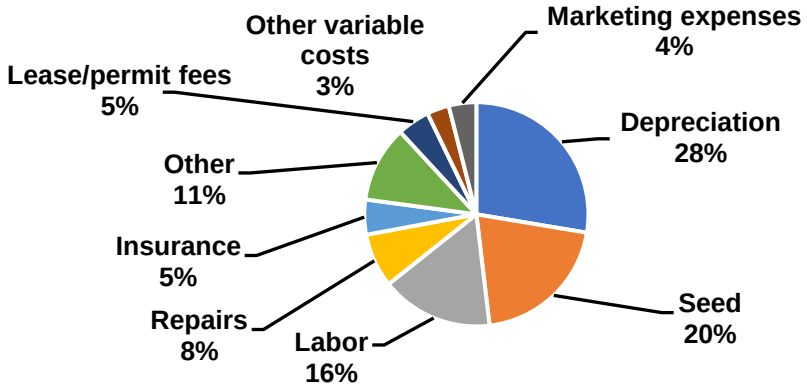
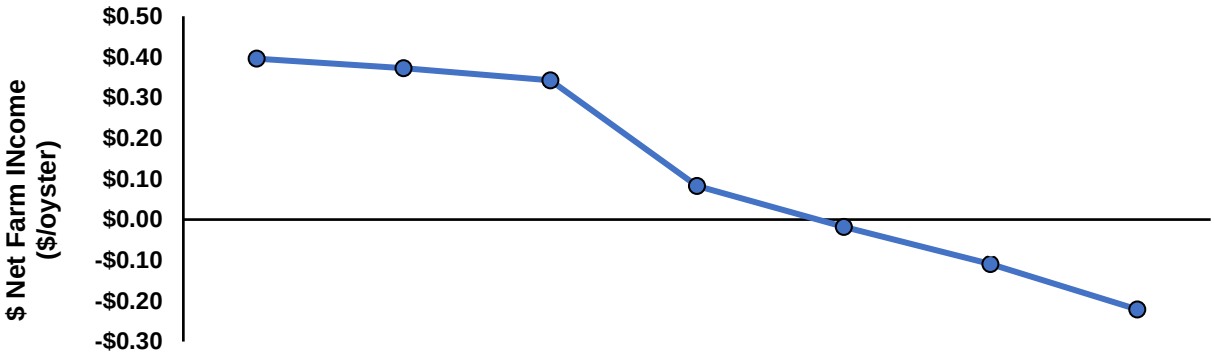
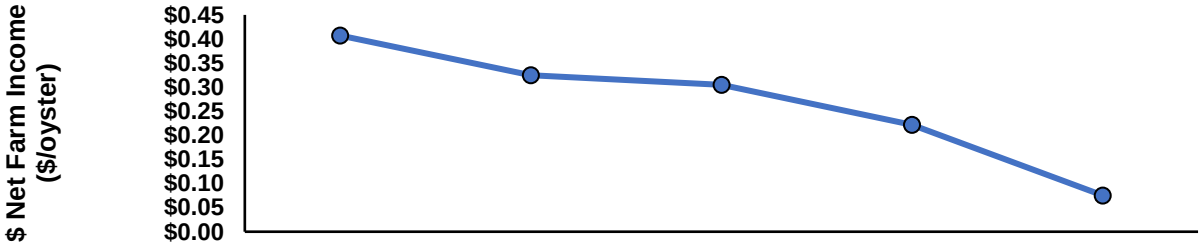


Figure 9. Mean net farm income per single oyster by: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farm



b) Established bottom culture farm



c) Startup suspended culture farm

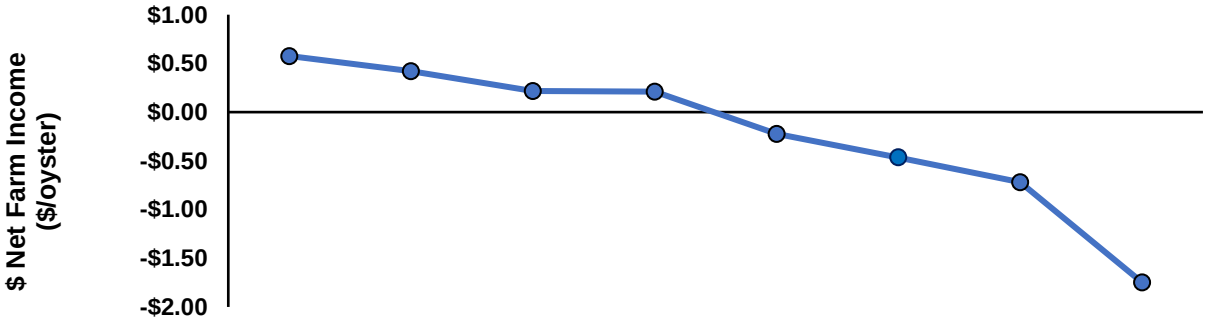
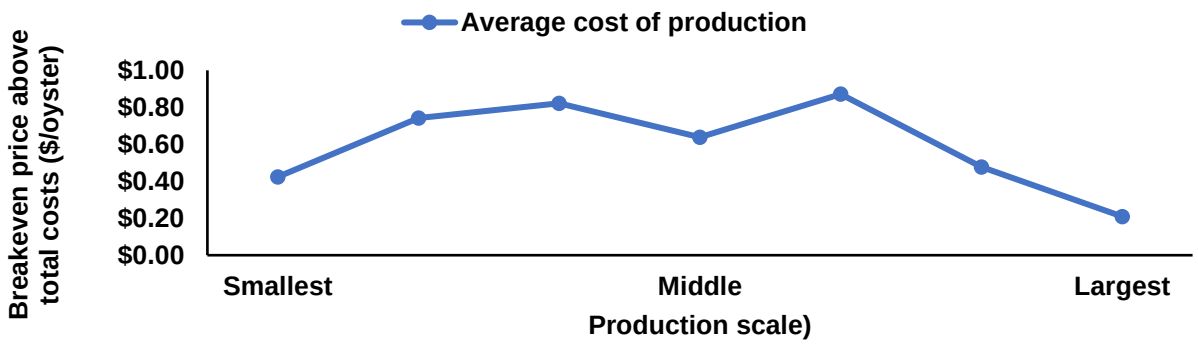
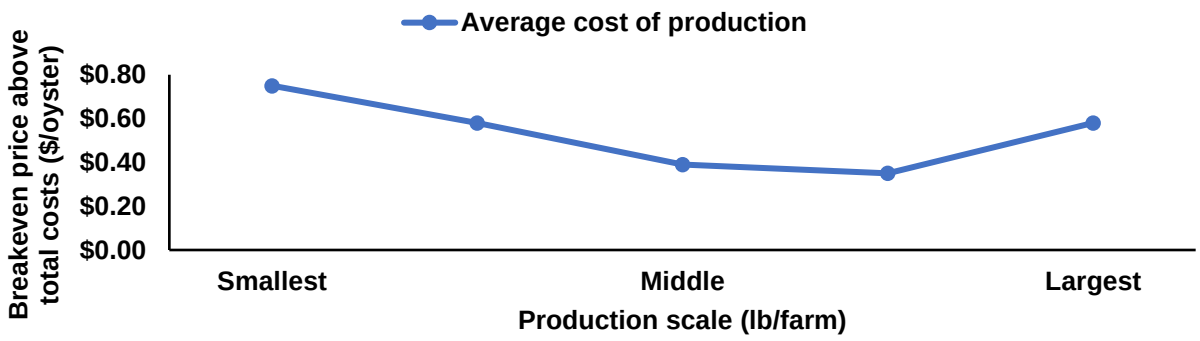


Figure 10. Economies of scale measured as breakeven price above total costs per single oyster for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farms



b) Established bottom culture farms



c) Startup suspended culture farms

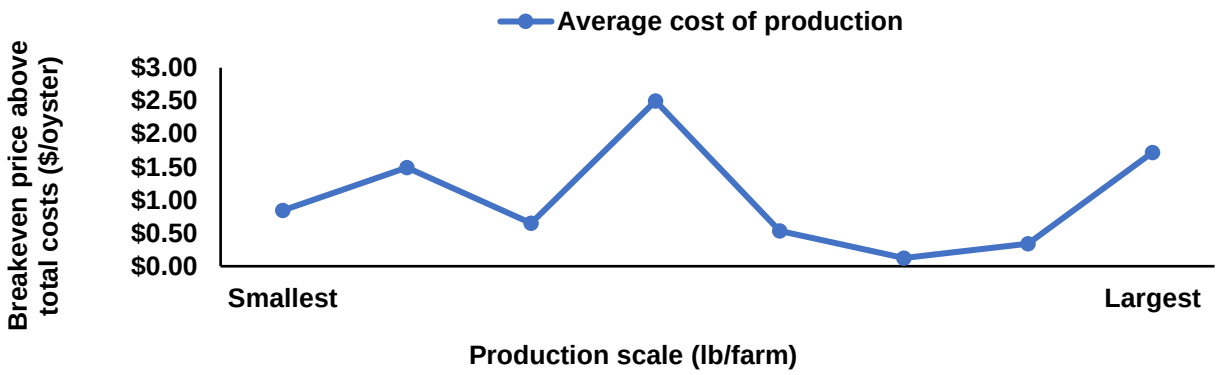
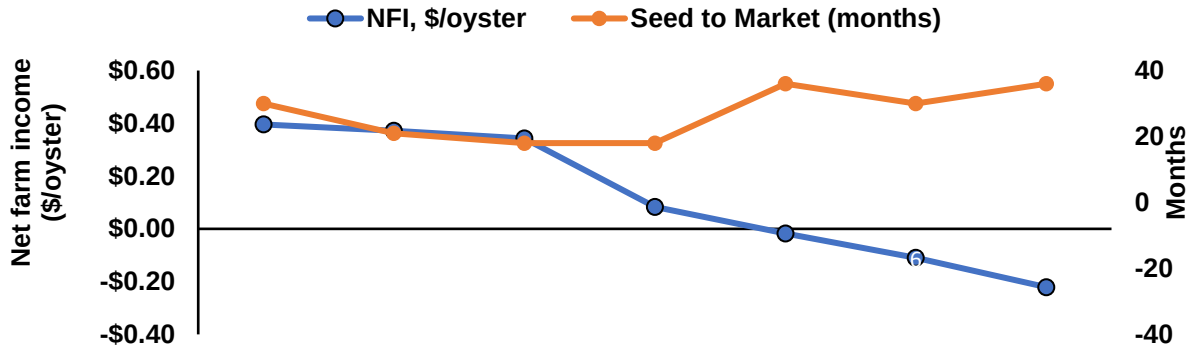
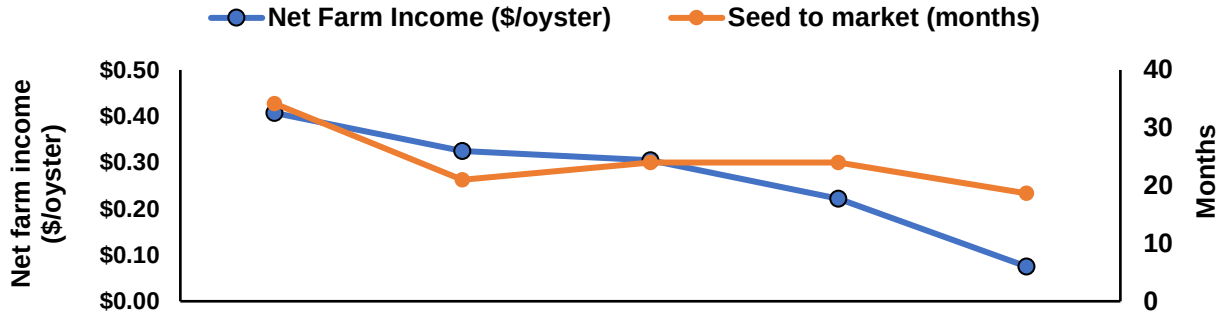


Figure 11. Mean net farm income per single oyster by length of growout (months from spat to market size) for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farm



b) Established bottom culture farm



c) Startup suspended culture farm

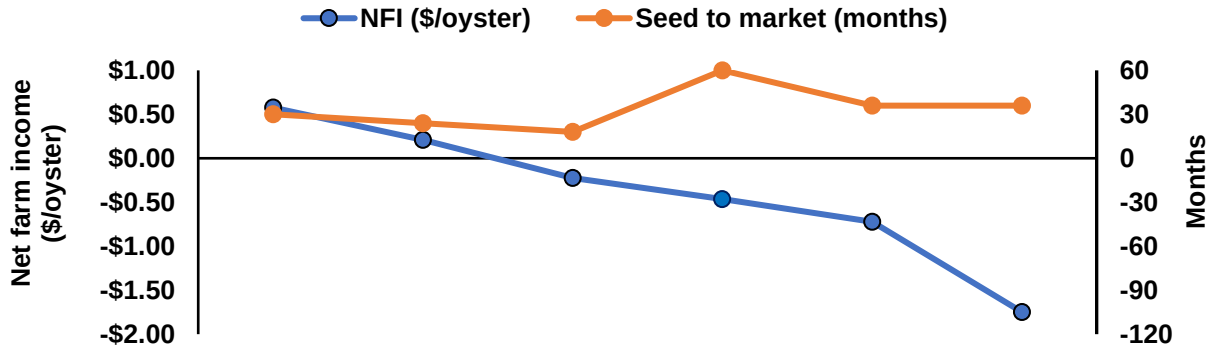
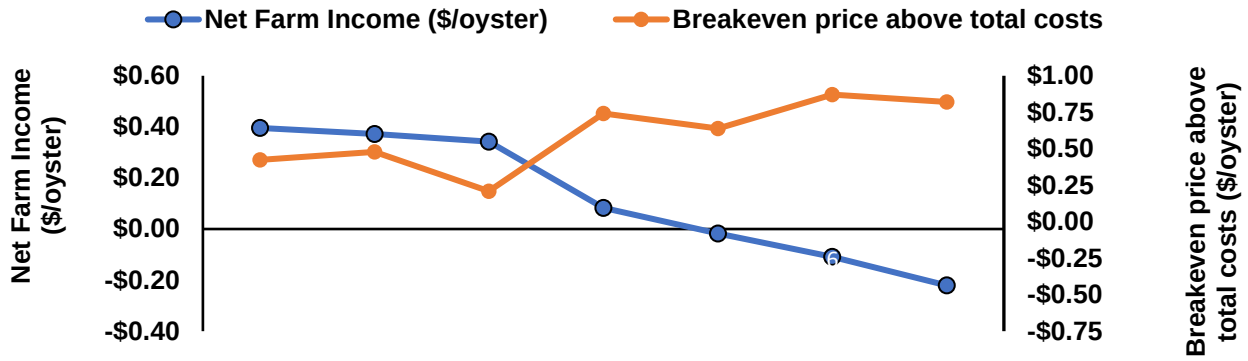
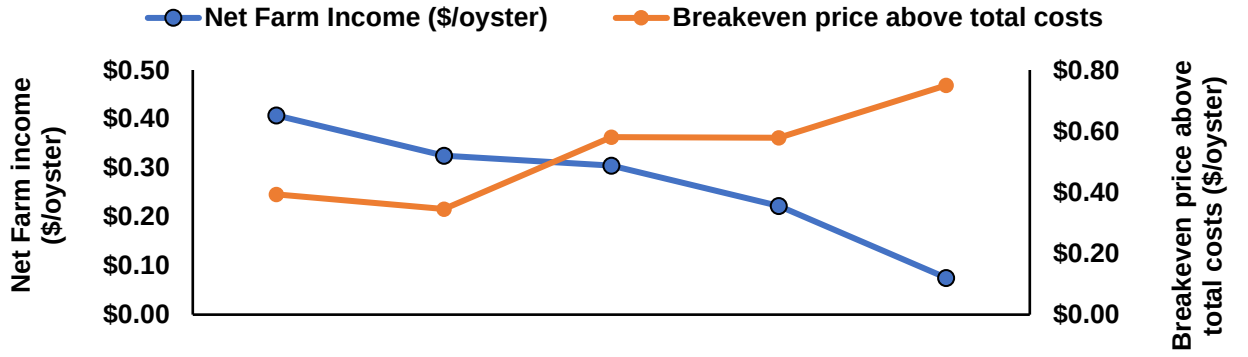


Figure 12. Mean net farm income per single oyster by breakeven price above total costs (BEP, TC) for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farm



b) Established bottom culture farm



c) Startup suspended culture farm

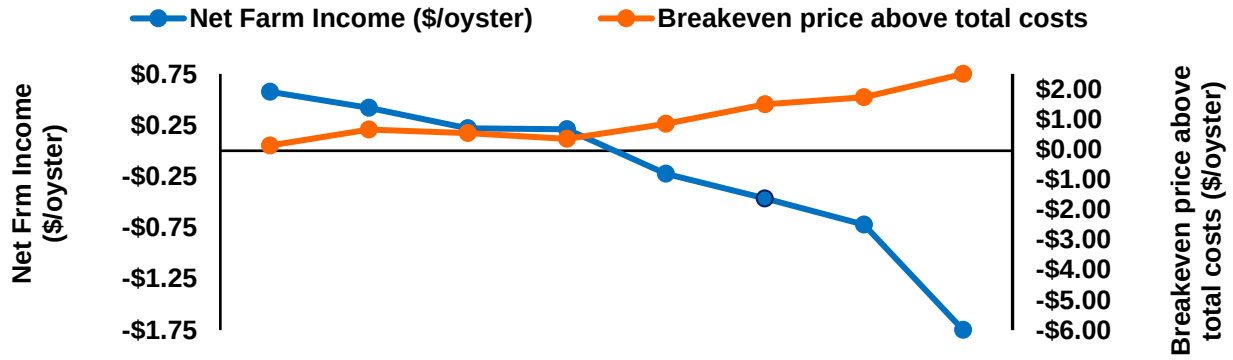
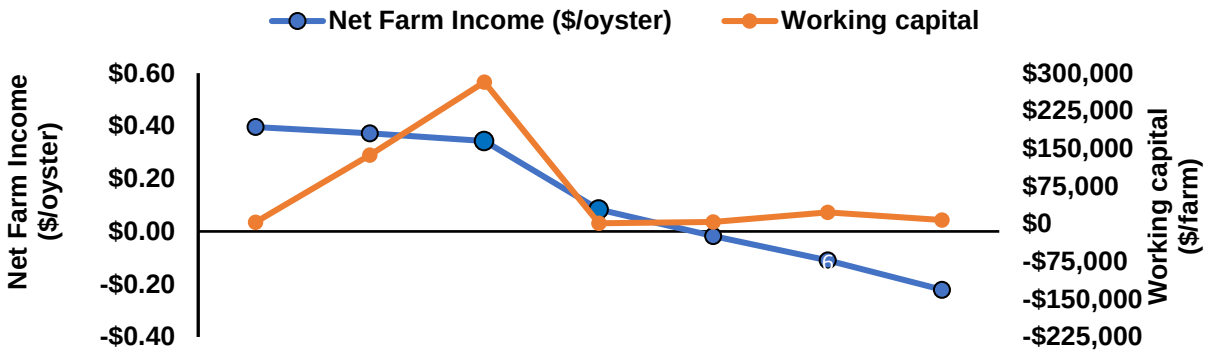
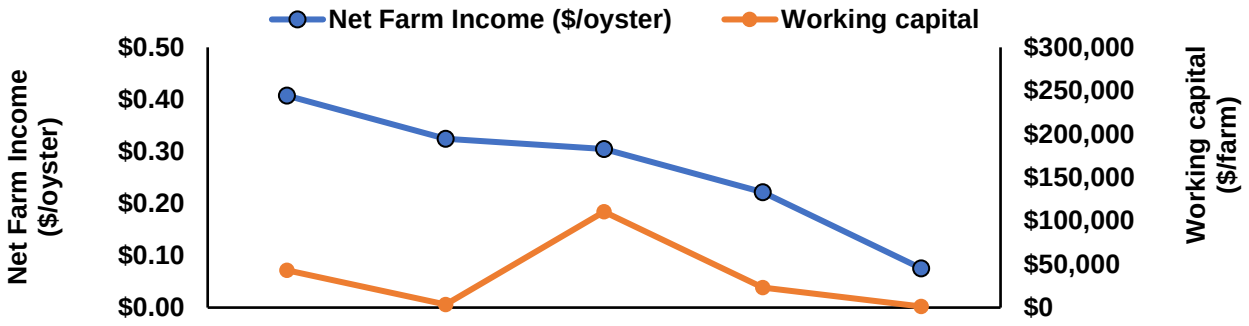


Figure 13. Mean net farm income per single oyster by working capital ($/farm) for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations. Scales of vertical axes are not the same across the three graphs.

a) Established suspended culture farm



b) Established bottom culture farm



c) Startup suspended culture farms

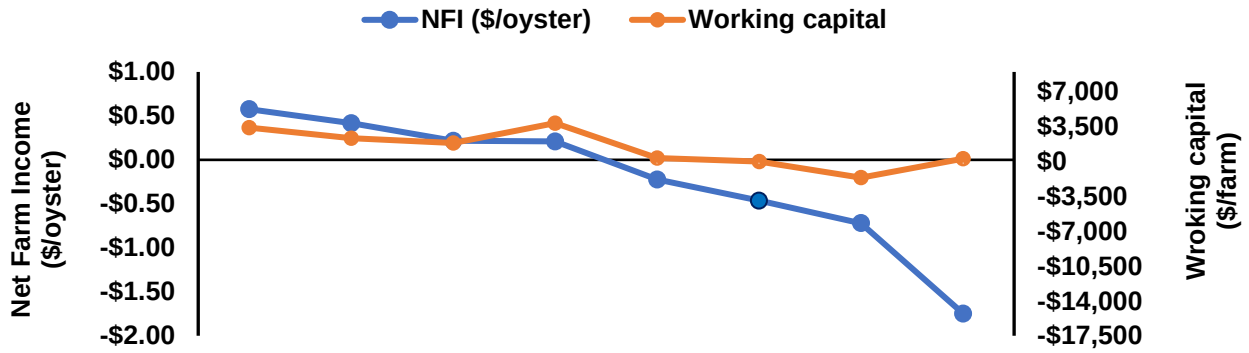
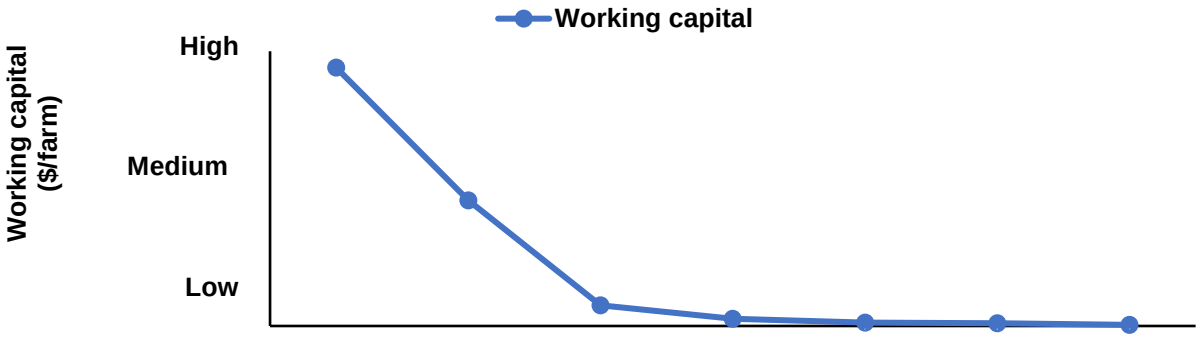
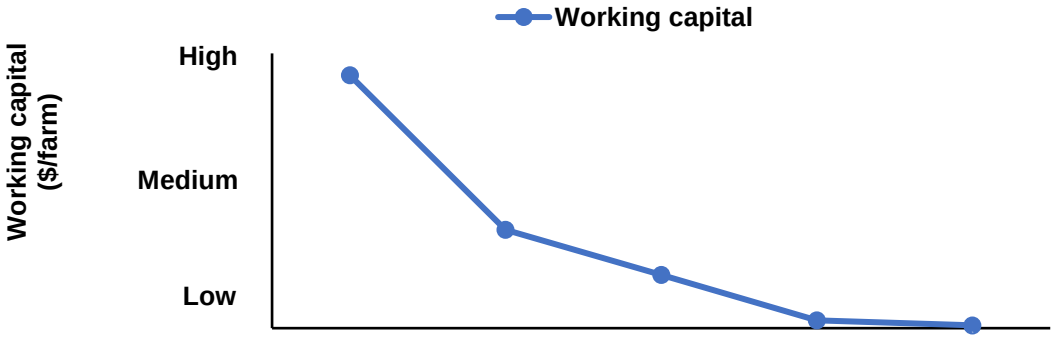


Figure 14. Mean working capital ($/farm) for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farms



b) Established bottom culture farms



c) Startup suspended culture farms

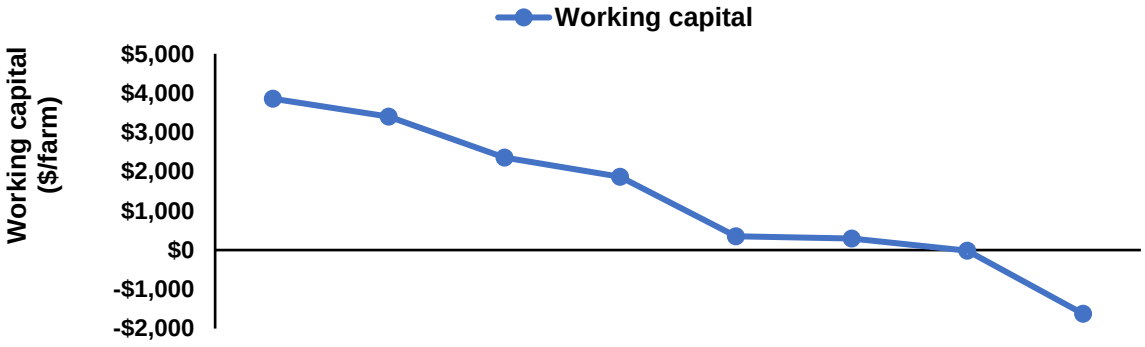
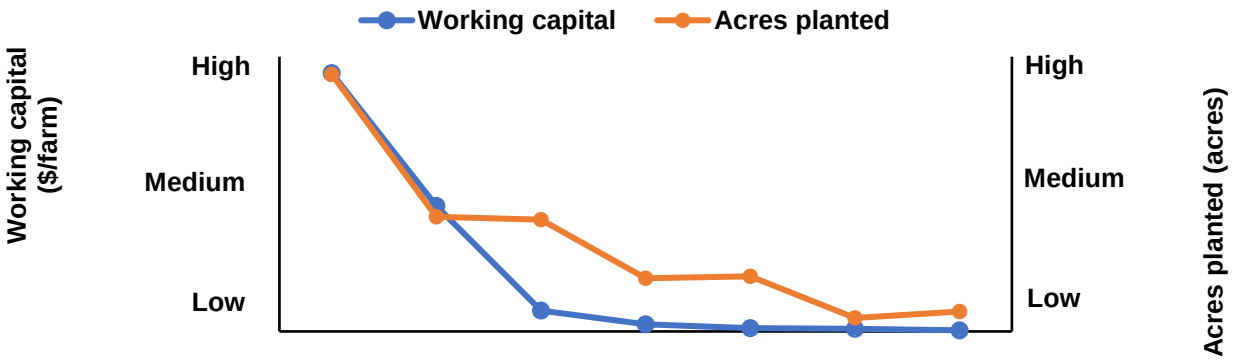
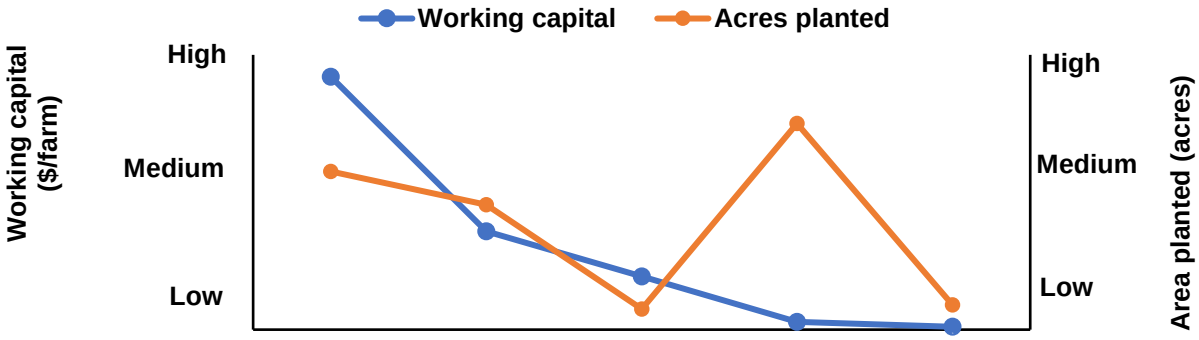


Figure 15. Mean working capital ($/farm) vs acres planted for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farms



b) Established bottom culture farms



c) Startup suspended culture farms

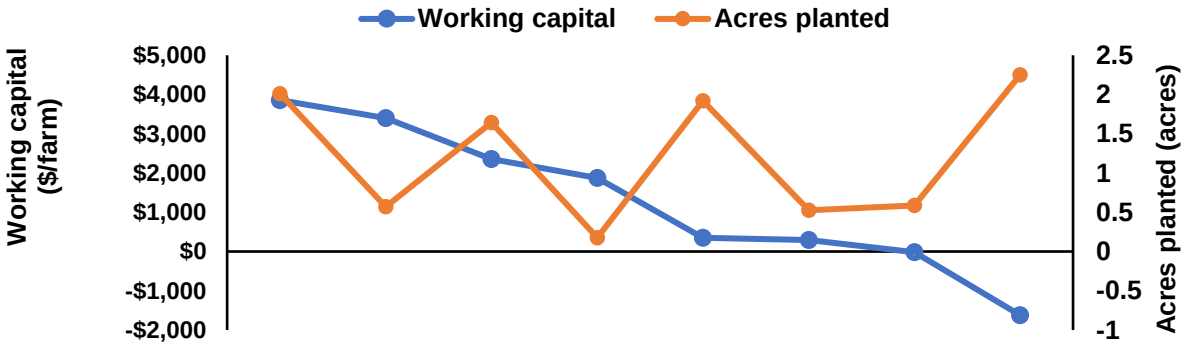
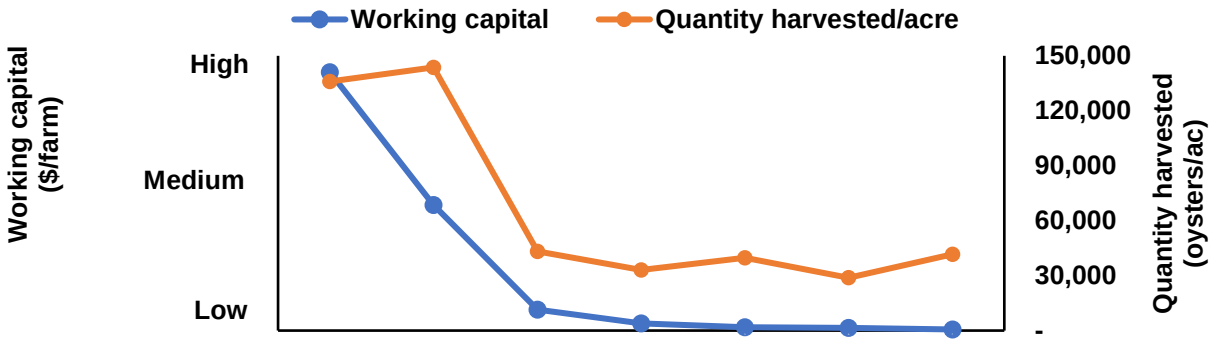
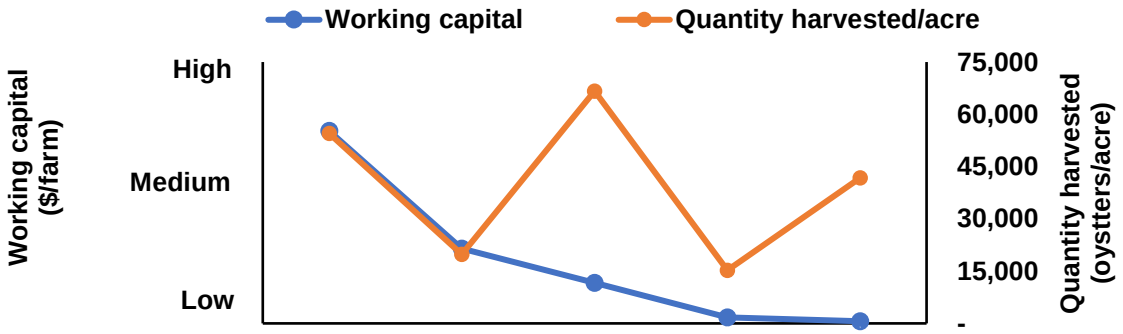


Figure 16. Mean working capital ($/farm) per farm vs quantity harvested (oysters/acre) for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farms



b) Established bottom culture farms



c) Startup suspended culture farms

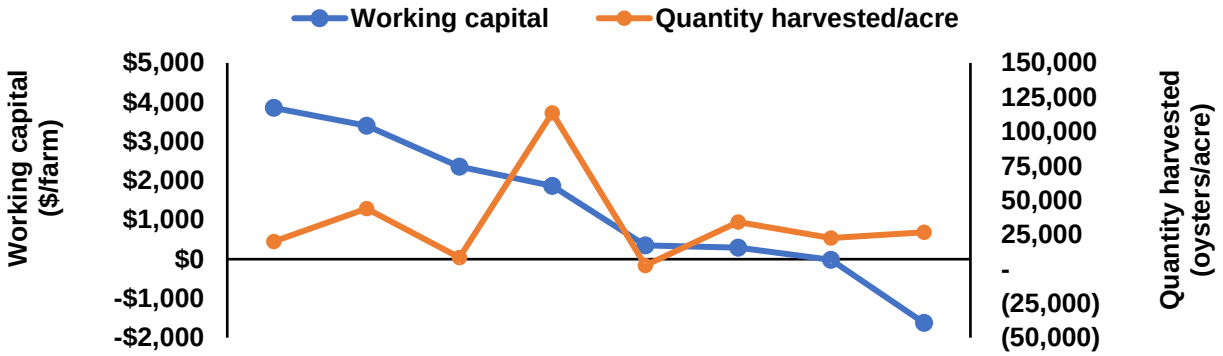
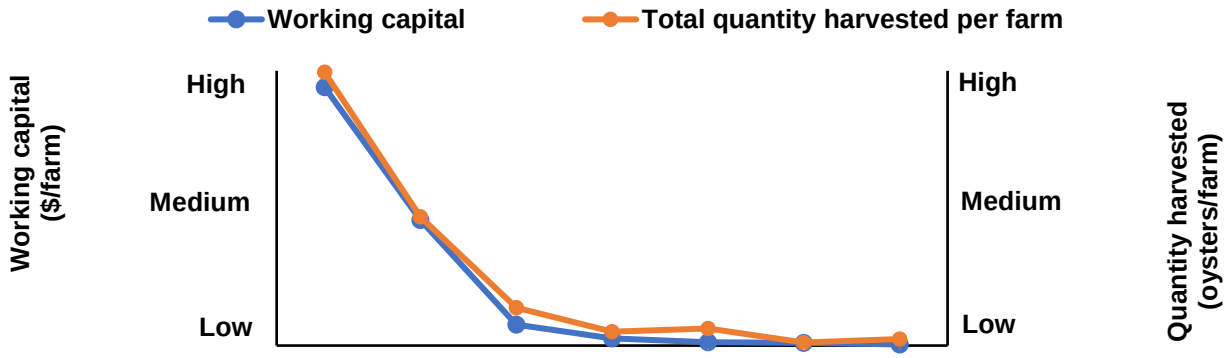
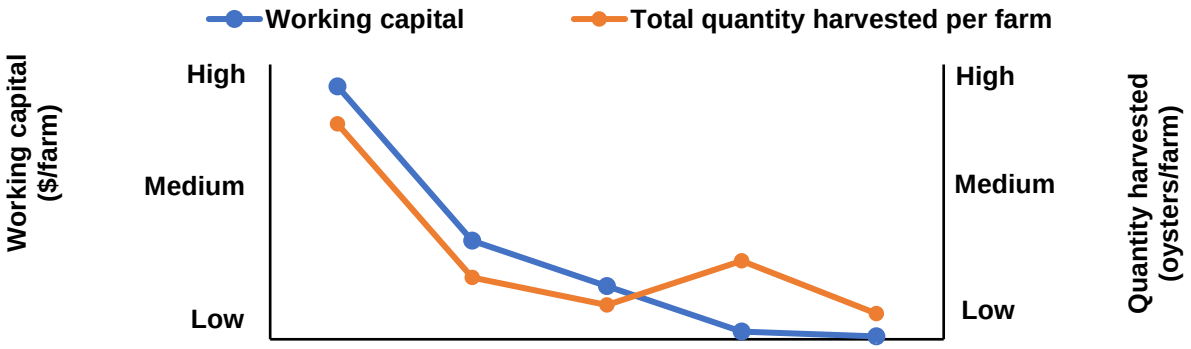


Figure 17. Mean working capital ($/farm) per farm vs quantity harvested (oysters/farm) for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farms



b) Established bottom culture farms



c) Startup suspended culture farms

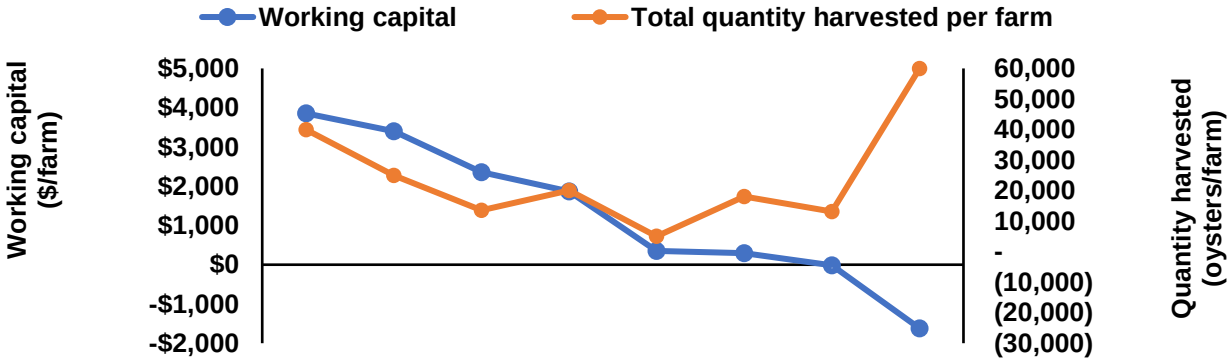
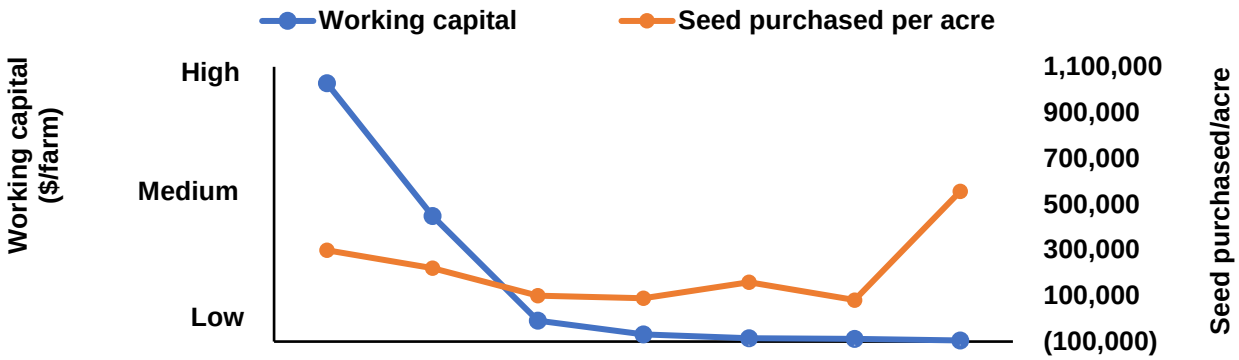
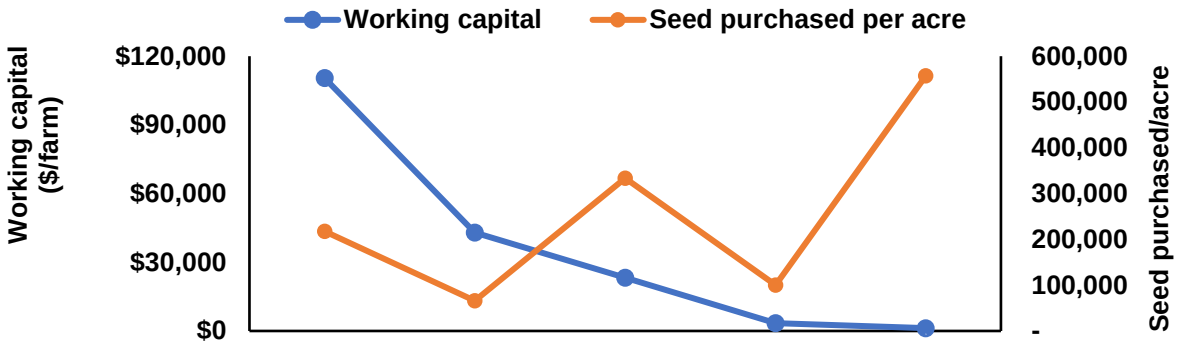


Figure 18. Mean working capital ($/farm) per farm vs seed purchased per acre for: a) established suspended culture farms; b) established bottom culture farms; and c) startup suspended culture farms, oyster farms. X-axis values represent individual observations.

a) Established suspended culture farms



b) Established bottom culture farms



c) Startup suspended culture farms

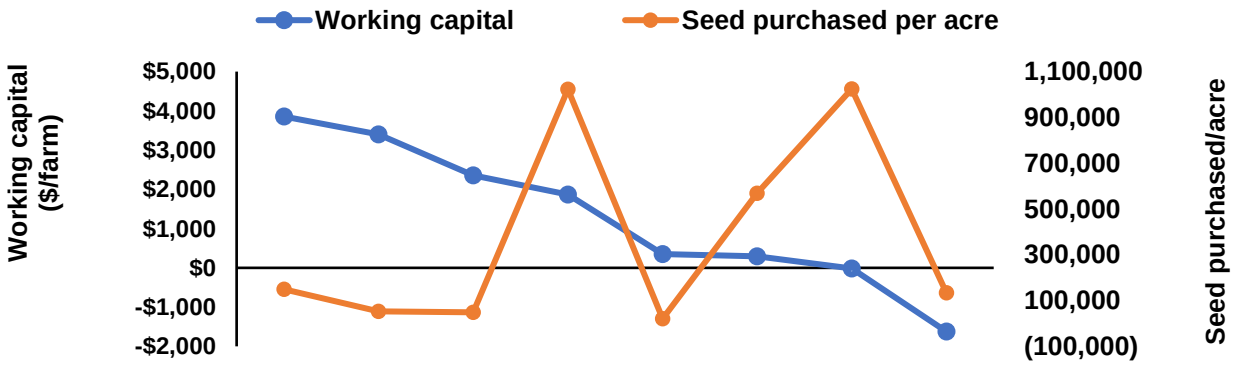


Figure 19. Cost structure, mussel farms.

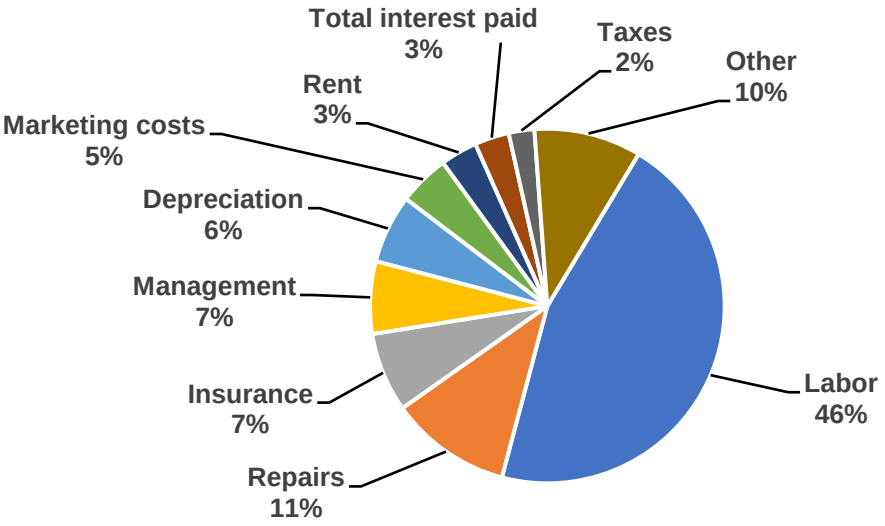


Figure 20. Net farm income ($/foot of line), mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

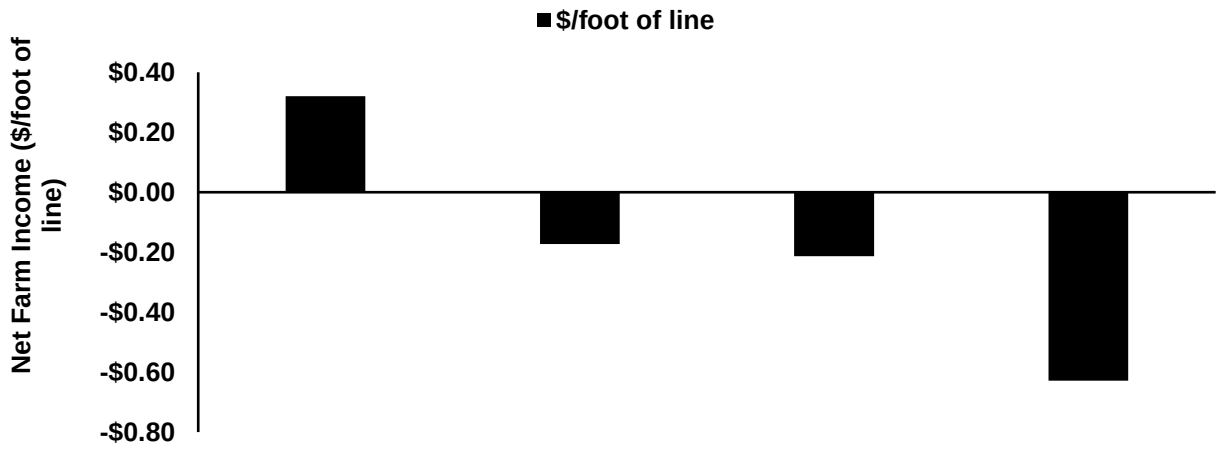


Figure 21. Economies of scale measured as breakeven price above total costs per lb of mussel harvested. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

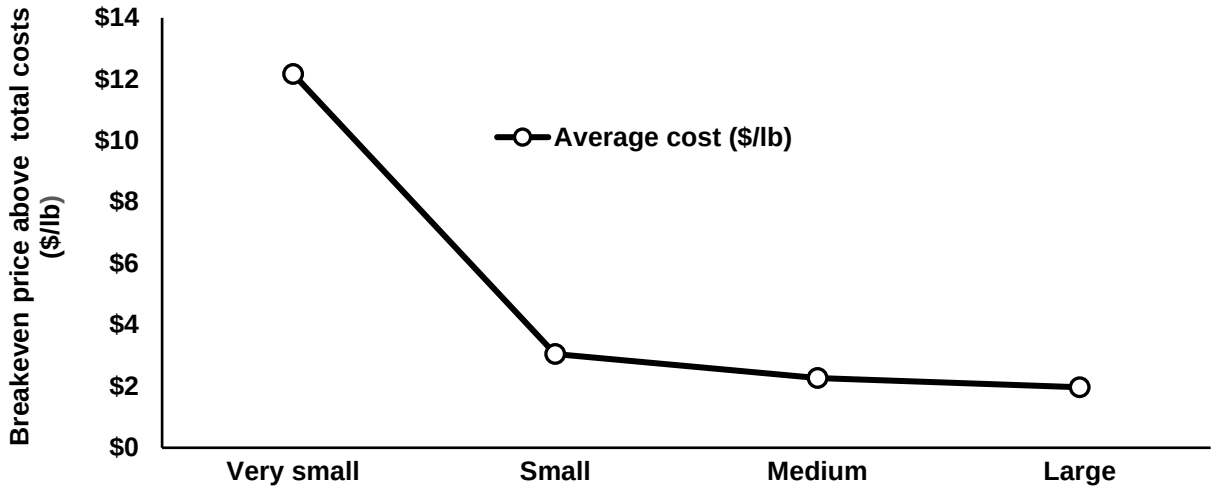


Figure 22. Net farm income ($/foot of line) by total mussels harvested per farm, mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

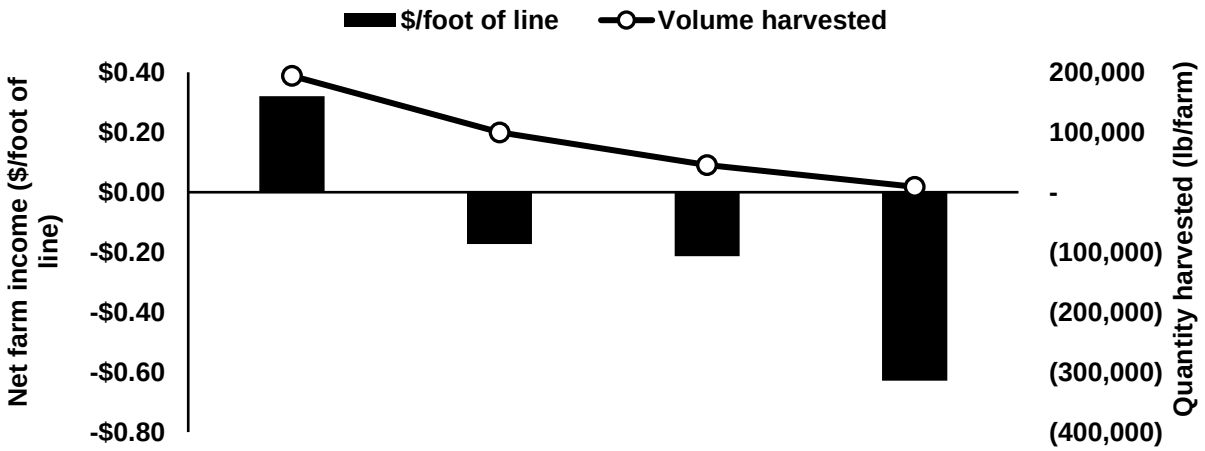


Figure 23. Net farm income ($/foot of line) by weight harvested (lb/foot of line), mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

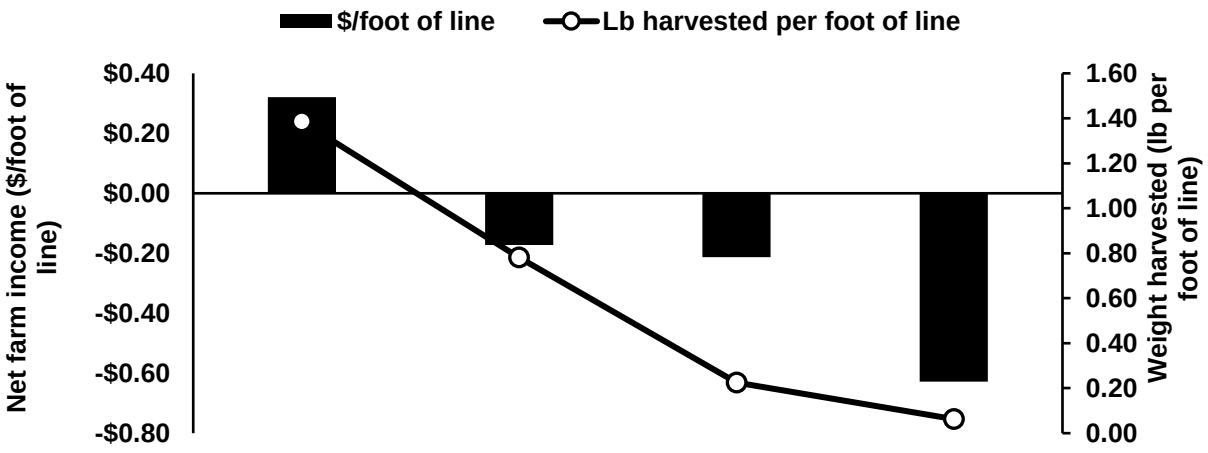


Figure 24. Net farm income ($/foot of line) by labor efficiency (lb harvested/hour of labor), mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

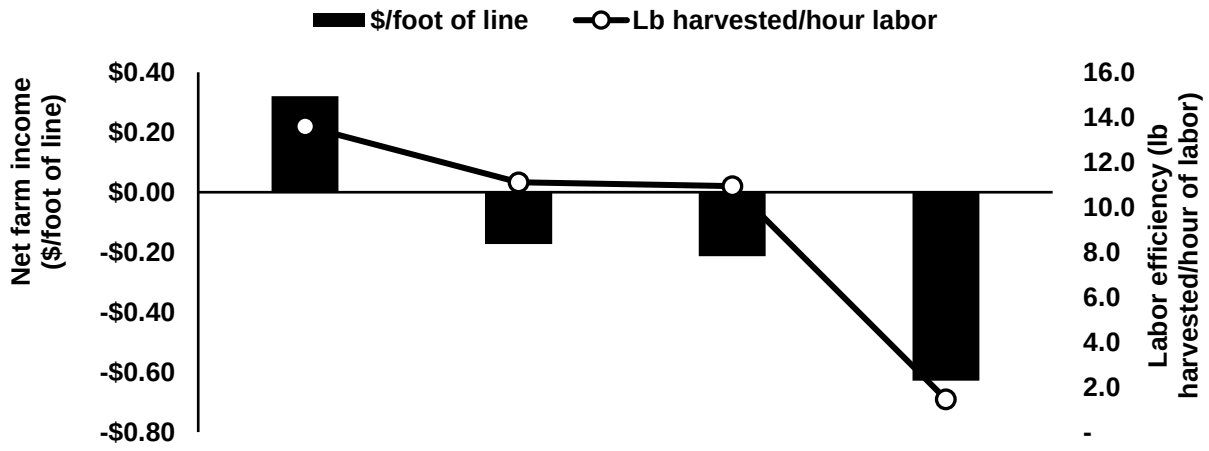


Figure 25. Net farm income ($/foot of line) by sales revenue/hour of labor, mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

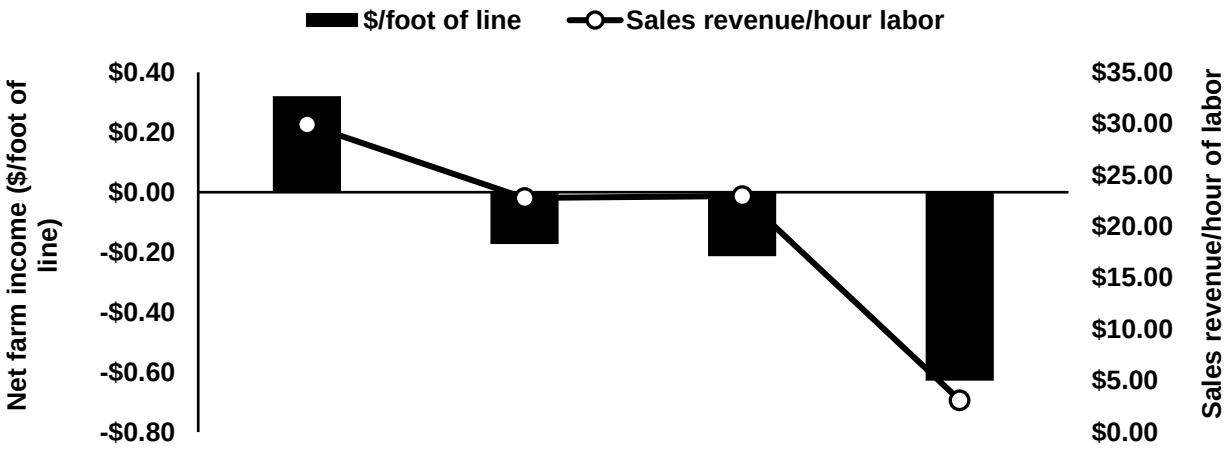


Figure 26. Working capital ($/farm), mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

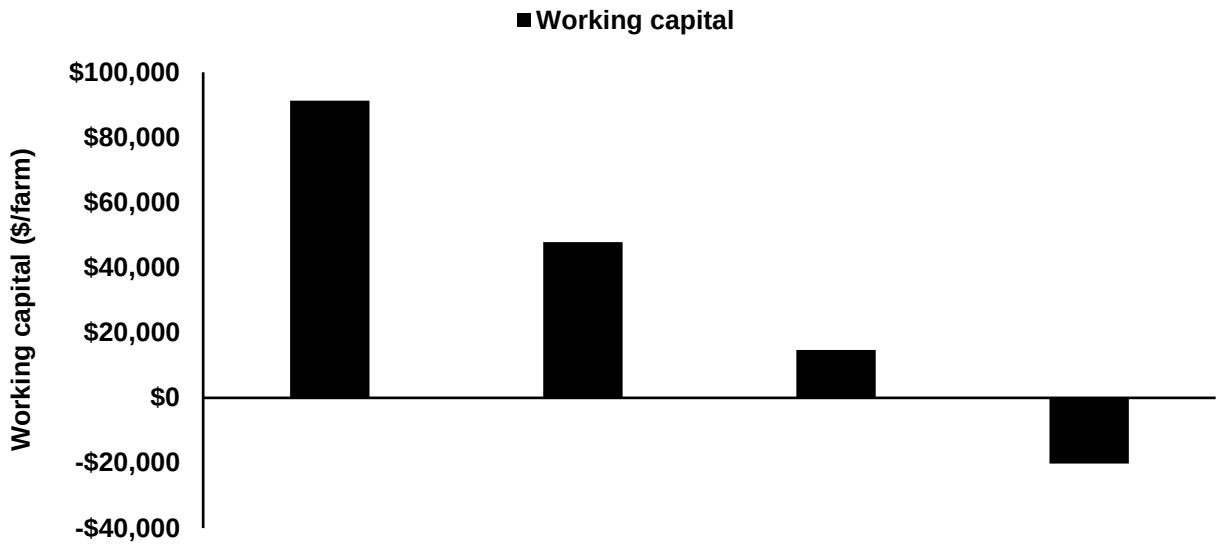


Figure 27. Working capital vs net farm income ($/foot of line), mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

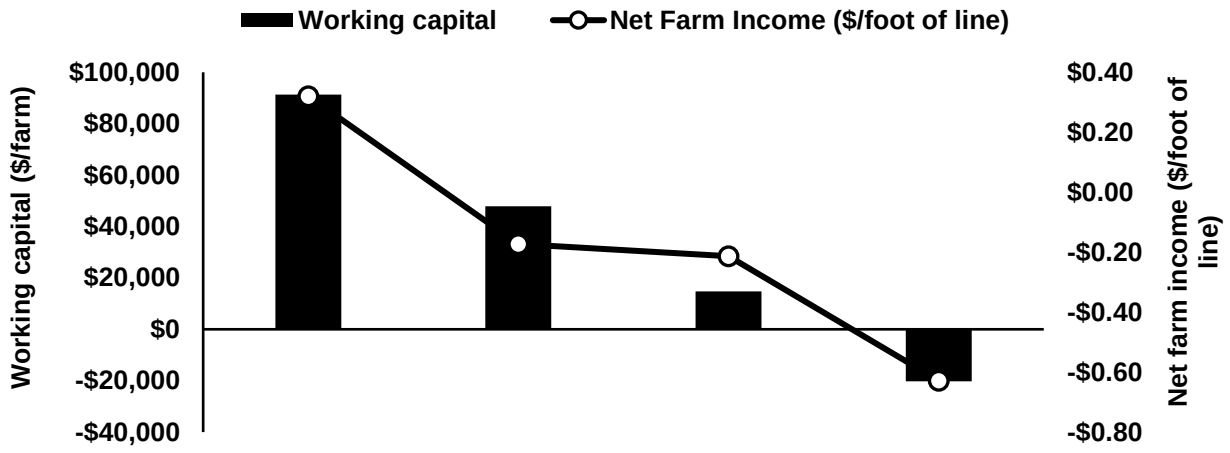


Figure 28. Working capital ($/farm) by total weight (lb) of mussels harvested per farm, mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

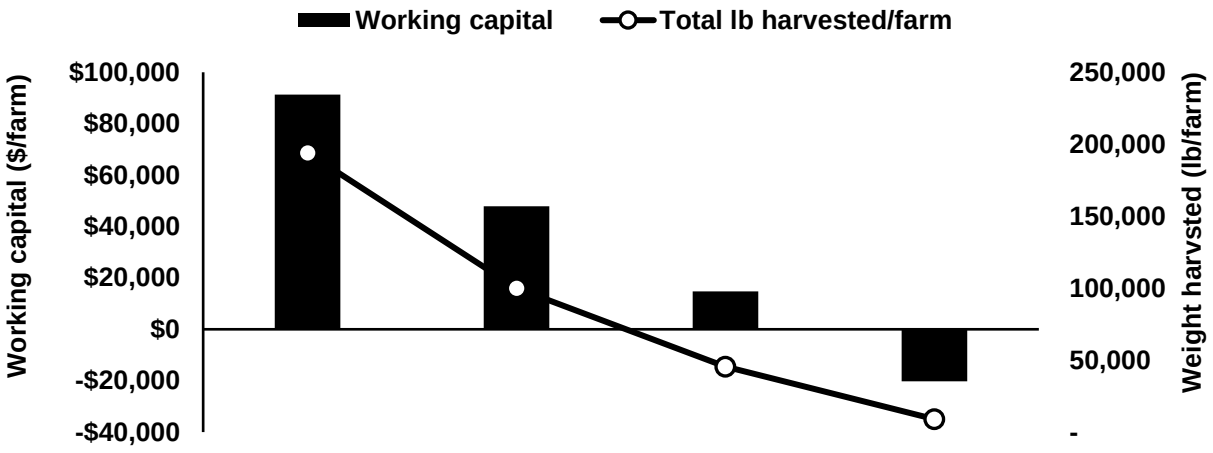


Figure 29. Working capital by labor efficiency (lb mussels harvested/hour of labor), mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

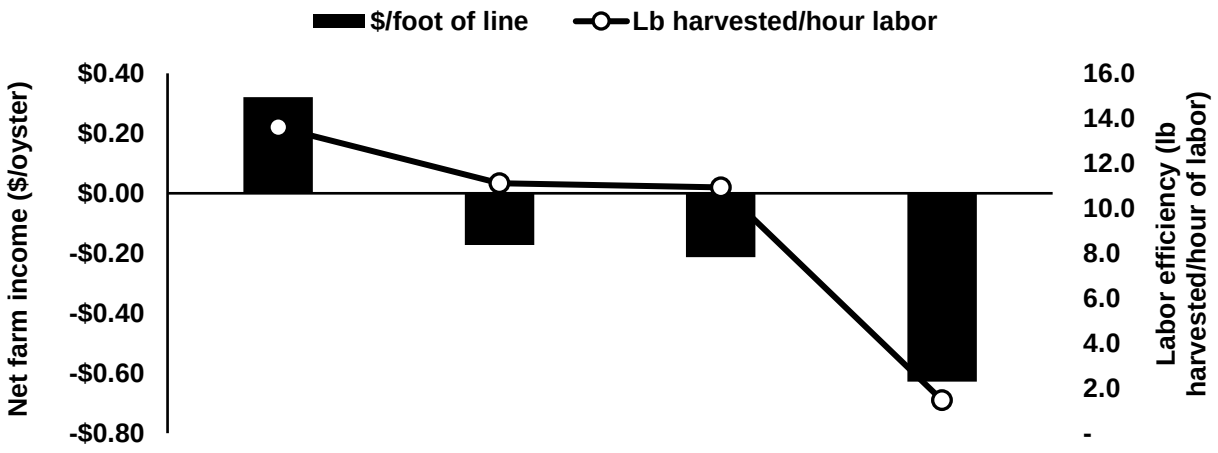


Figure 30. Working capital by sales revenue/hour of labor, mussel farms. X-axis values represent individual observations. (Note: A startup farm not yet in full production was included for purposes of comparison.)

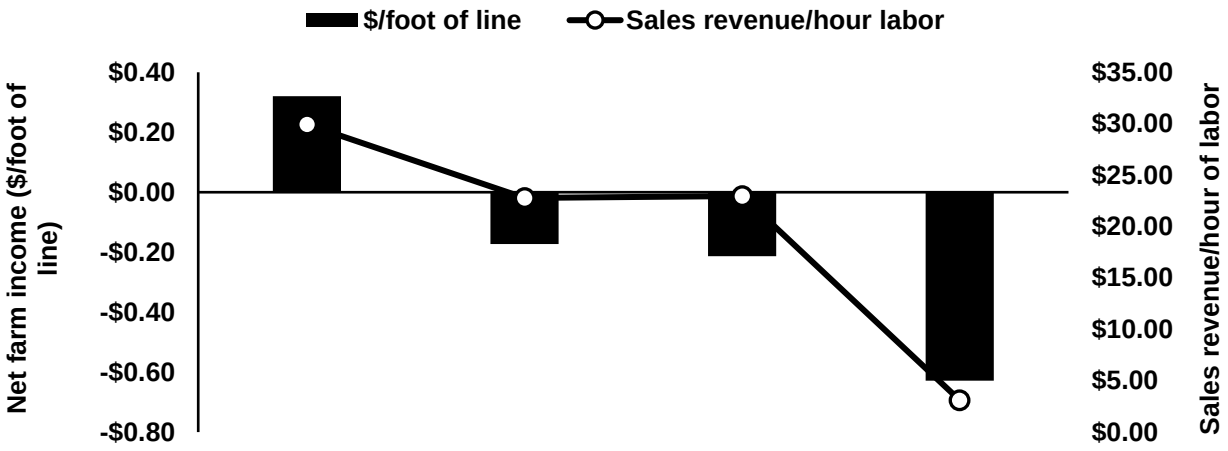


Figure 31. Cost structure, seaweed farms.

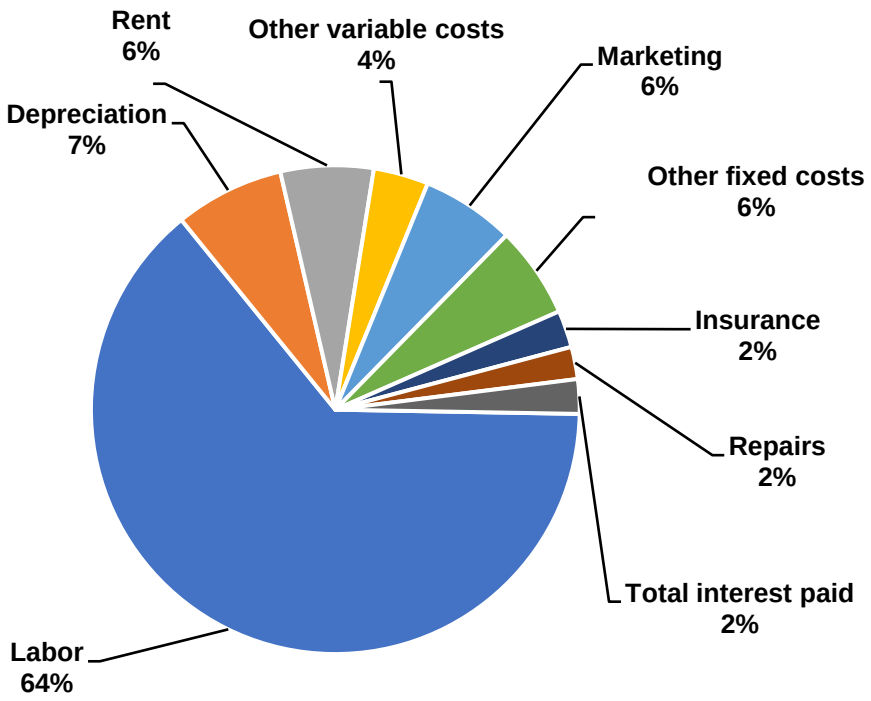


Figure 32. Net farm income ($/foot of line), seaweed farms. X-axis values represent individual observations. The observation that reported a total crop loss for the reporting year has been omitted from this figure.

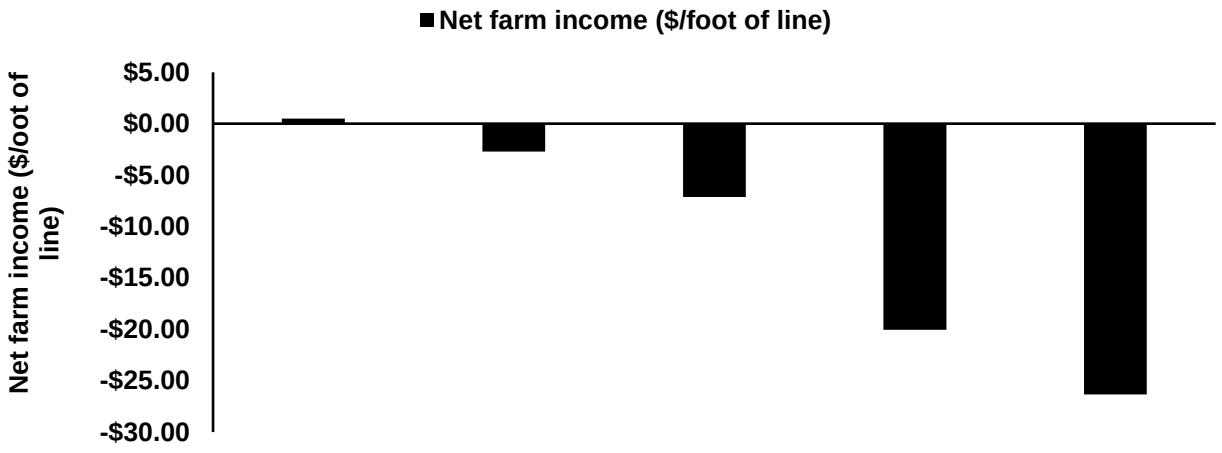


Figure 33. Economies of scale measured as breakeven price above total costs per lb of seaweed. X-axis values represent individual observations. The observation that reported a total crop loss for the reporting year has been omitted from this figure.

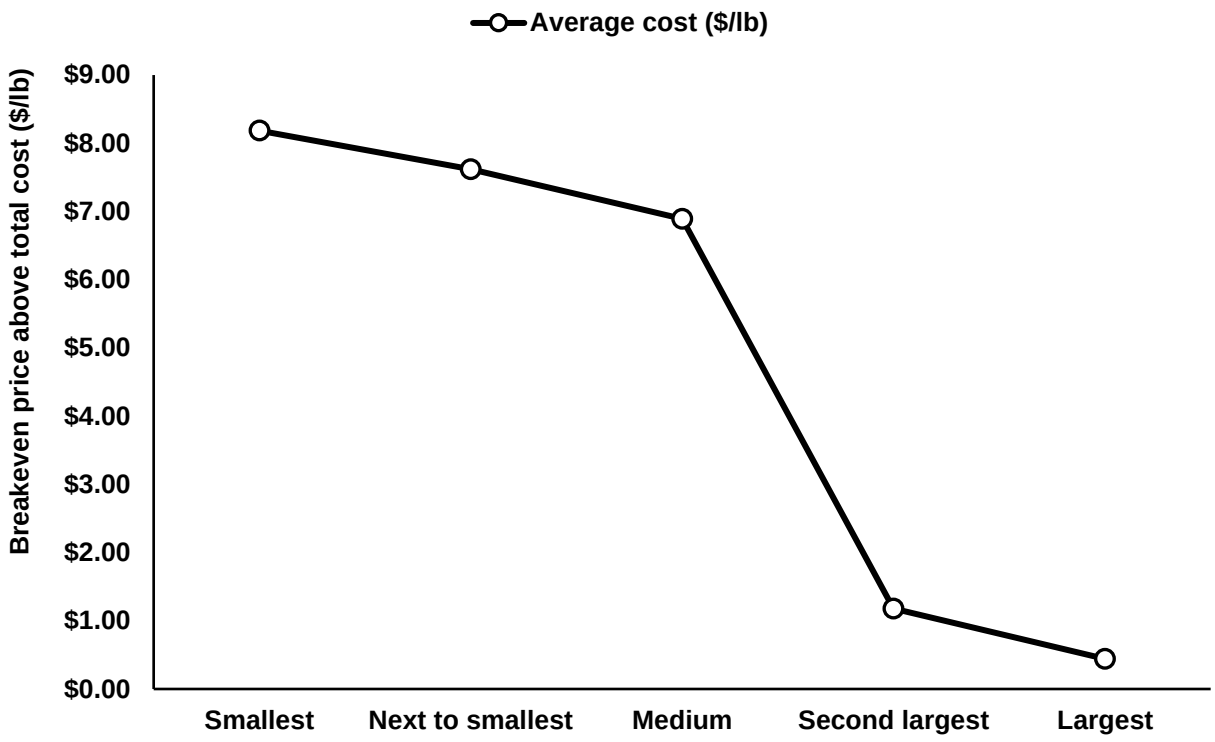


Figure 34. Net farm income ($/foot of line) by total weight (lb) of seaweed harvested (lb/farm), seaweed farms. X-axis values represent individual observations. The observation that reported a total crop loss for the reporting year has been omitted from this figure.

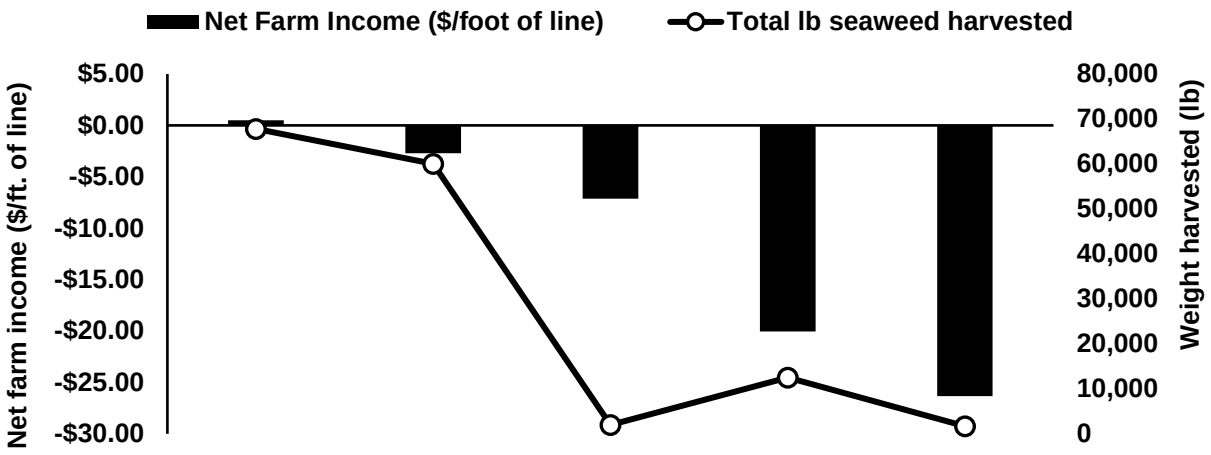


Figure 35. Net farm income ($/foot of line) by labor cost ($/lb), seaweed farms. X-axis values represent individual observations. The observation that reported a total crop loss for the reporting year has been omitted from this figure. (Note: There is a labor cost for the two smaller farm scales difficult to discern due to the range of values in the graph, but much less per pound of seaweed than on the larger farms.)

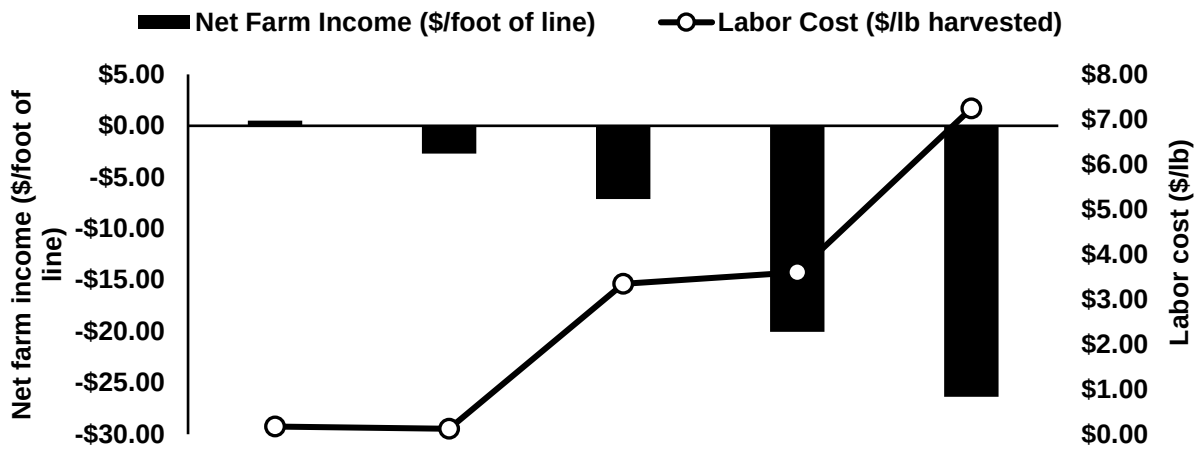


Figure 36. Net farm income ($/foot of line) by labor efficiency (lb harvested/hour of labor), seaweed farms. X-axis values represent individual observations. The observation that reported a total crop loss for the reporting year has been omitted from this figure. (Note: There is a labor cost for the two smaller farm scales difficult to discern due to the range of values in the graph, but much less per pound of seaweed than on the larger farms.)

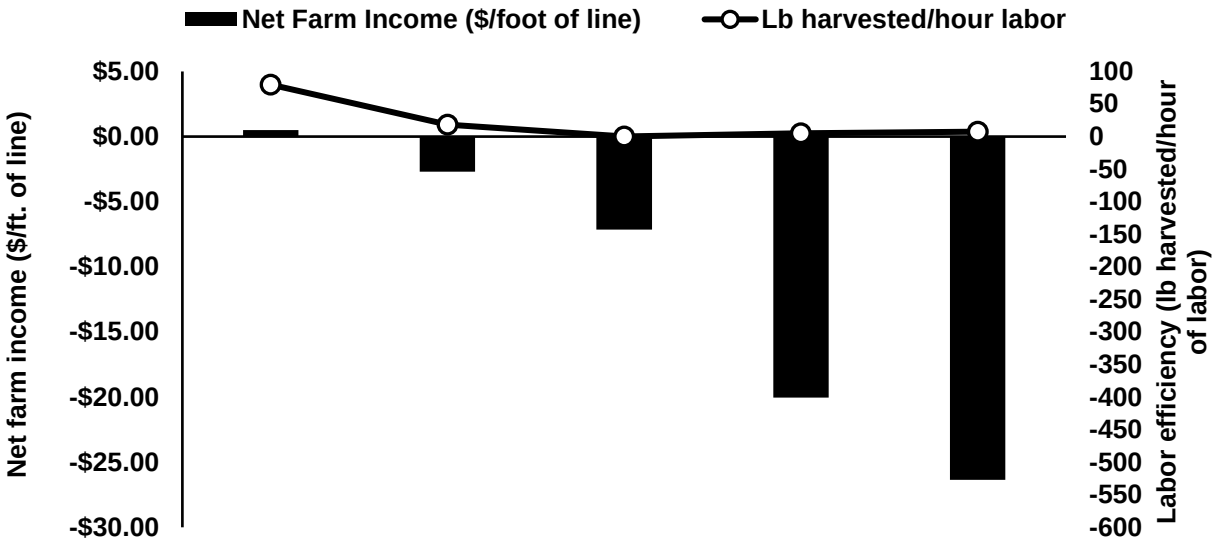


Figure 37. Net farm income ($/foot of line) by sales revenue/hour of labor, seaweed farms. X-axis values represent individual observations. The observation that reported a total crop loss for the reporting year has been omitted from this figure. (Note: There is a labor cost for the two smaller farm scales difficult to discern due to the range of values in the graph, but much less per pound of seaweed than on the larger farms.)

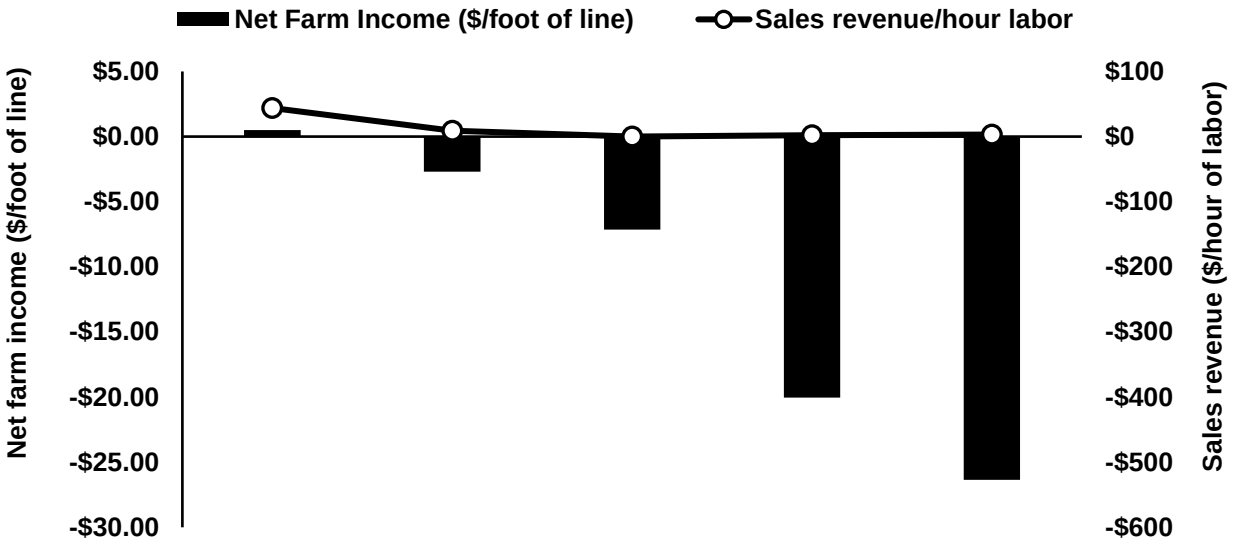


Figure 38. Net farm income ($/foot of line) by capital efficiency (lb/$ investment capital), seaweed farms. X-axis values represent individual observations. Note: The observation that reported a total crop loss for the reporting year has been omitted from this figure.

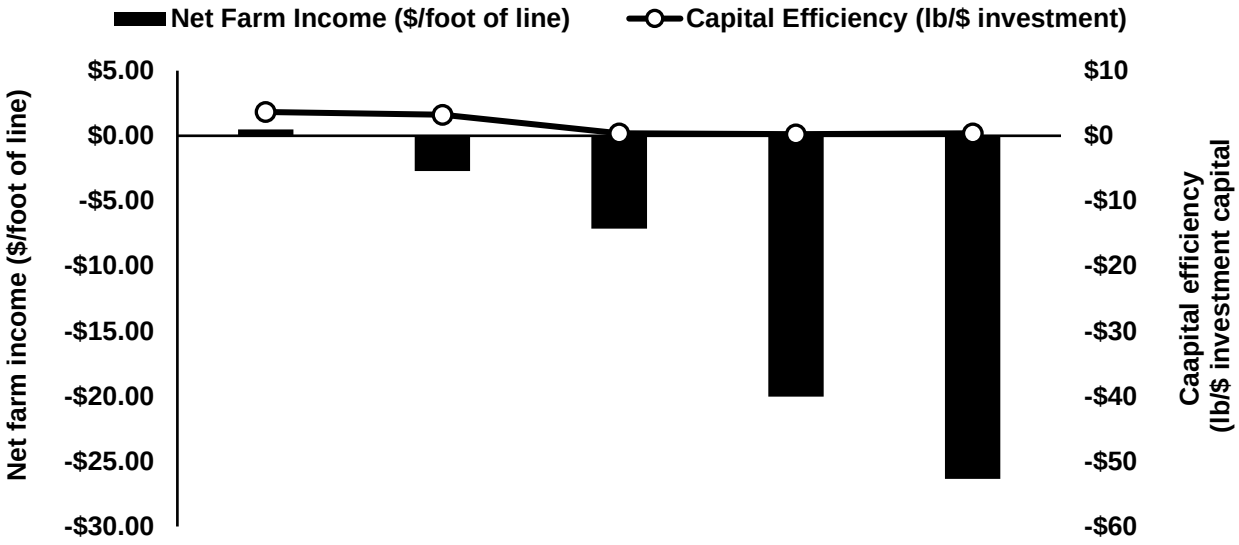


Figure 39. Working capital ($/farm), seaweed farms. X-axis values represent individual observations. Note: The observation that reported a total crop loss for the reporting year has been omitted from this figure.

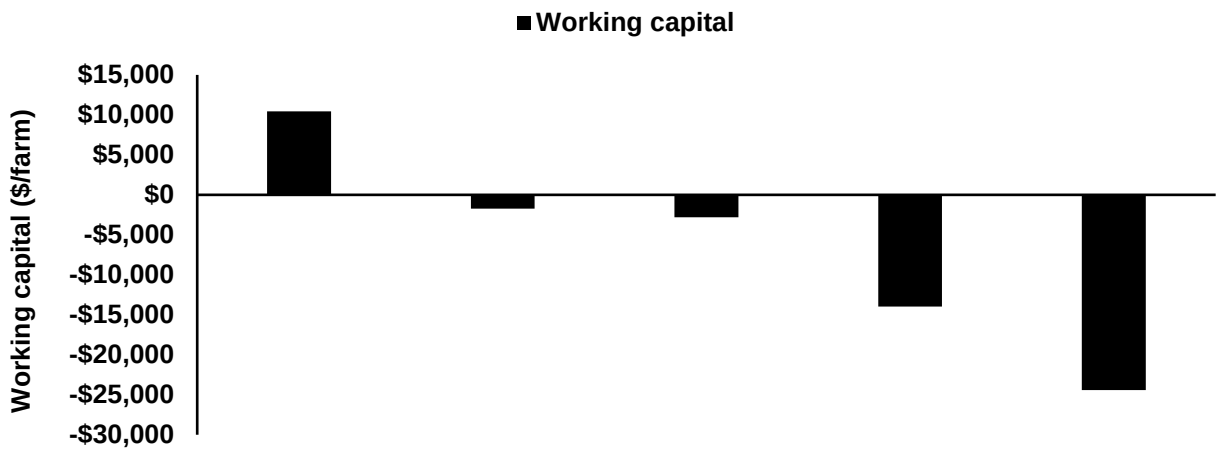


Figure 40. Working capital ($/farm) vs labor efficiency (lb/hour of labor), seaweed farms. X-axis values represent individual observations. Note: The observation that reported a total crop loss for the reporting year has been omitted from this figure.

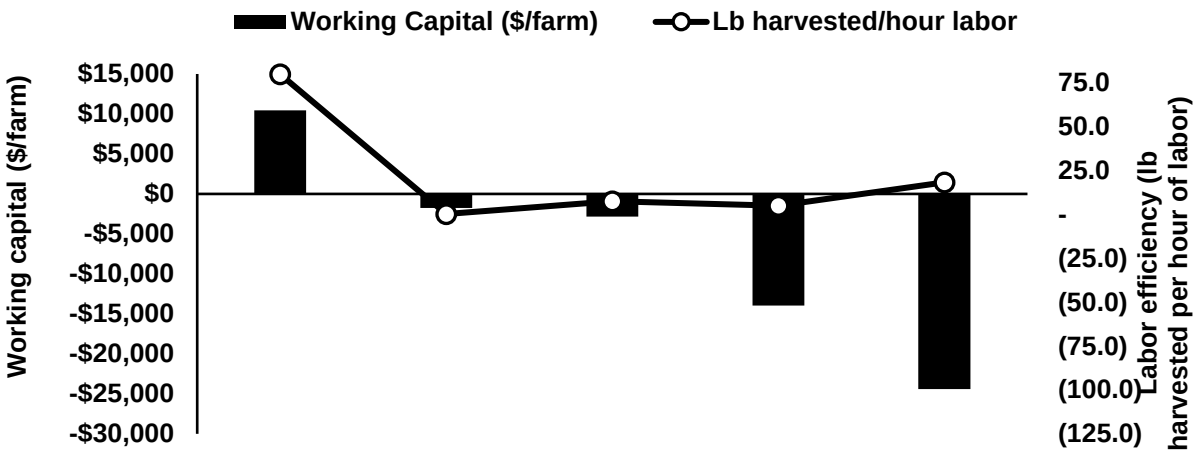


Figure 41. Working capital ($/farm) vs sales revenue per hour of labor, seaweed farms. X-axis values represent individual observations. Note: The observation that reported a total crop loss for the reporting year has been omitted from this figure.

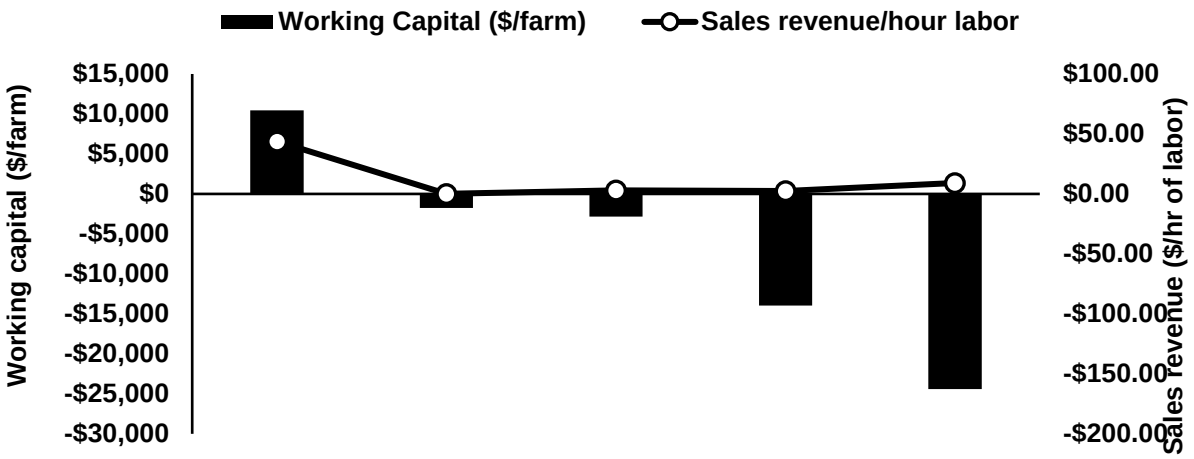
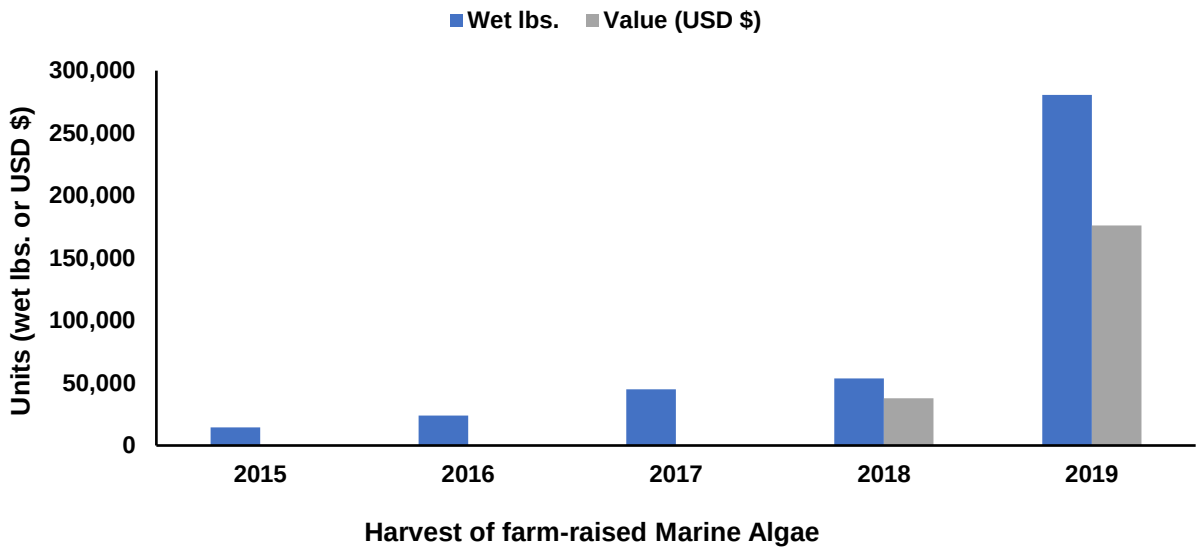


Figure 42. Harvest of farm raised marine algae in Maine in wet pounds (lbs.) and USD ($). (Maine DMR 2019)



Report produced by

In partnership with