

Production and performance of larvae and spat of pure and hybrid species of *Mytilus chilensis* and *M. galloprovincialis* from laboratory crosses Producción y comportamiento de larvas de especies puras e híbridas entre *Mytilus chilensis* y *Mytilus galloprovin*

Toro, Jorge E.

Oyarzún, Pablo A.

Peñaloza, Carolina

Alcapán, Angélica

Videla, Viviana

Tillería, Jorge

Astorga, Marcela

Martínez, Víctor

Adult specimens of *M. galloprovincialis* from Concepción Bay and *M. chilensis* from Yaldad Bay, Chile, were transferred to the laboratory to produce crosses of pure and hybrid species in order to evaluate early larval development and growth. These variables are important for understanding the dynamics of these two mussel species in this potential hybrid zone where they occur sympatrically. The study showed that fertilization occurred in all crosses and significant differences were not detected between pure lines and hybrids in terms of the percentage of eggs that developed into larvae. Hybrid larvae and spat from both reciprocal crosses grew significantly more than those from pure lines, although valve length values were within the ranges reported in the literature.