



Crustacean and Culture Techniques

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Shrimp culture



Shrimp-Prawn

- A few words may be in order about the use of the terms shrimp and prawns before proceed. These terms where "prawns" refer to freshwater creatures (especially *Macrobrachium* spp.), while shrimp refer to their marine and brackishwater relatives (Csavas 1988). Common usage has often resulted in reference to large shrimp as "prawns" and to small shrimp as "shrimp" regardless of the salt content of their habitat.



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- A number of penaeid species have been matured, mated, and spawned in captivity to produce viable nauplii (Lawrence et al. 1985). This technology is critical to the success of the shrimp culture industry, for it can provide farmers with a predictable supply of postlarvae of a known species for growout. Among those species that reproduce in captivity, eight have significant importance in aquaculture. These species include: *Penaeus chinensis*, *P. indicus*, *P. japonicus*, *P. merguensis*, *P. monodon*, *P. stylirostris*, *P. vannamei*, and *Metapenaeus ensis*.

Species	F.A.O. Names	% Production	Country ^a
<u>Penaeus chinensis</u>	(E) Fleshy prawn	28%	China, North Korea
	(F) Crevette charnue		
	(S) Camaron carnososo		
<u>Penaeus indicus</u>	(E) Indian white prawn	6%	India, Indonesia, Vietnam
	(F) Crevette royale blanche		
	(S) Camaron blanco de la India		
<u>Penaeus japonicus</u>	(E) Kuruma prawn	<1%	Japan
	(F) Crevette kuruma		
	(S) Camaron kuruma		
<u>Penaeus merguensis</u>	(E) Banana prawn	8%	Indonesia, Thailand, Philippines, China, Vietnam
	(F) Crevette banana		
	(S) Camaron banana		
<u>Penaeus monodon</u>	(E) Giant tiger prawn	33%	Indonesia, India, Thailand, Vietnam, Philippines, Taiwan, China, Bangladesh
	(F) Crevette geante tigre		
	(S) Camaron tigre gigante		
<u>Penaeus stylirostris</u>	(E) Blue shrimp	1%	Panama, Columbia Honduras, Ecuador
	(F) Crevette bleue		
	(S) Camaron azul		
<u>Penaeus vannamei</u>	(E) Whiteleg shrimp	10%	Ecuador, Mexico, Panama, Columbia, Honduras
	(F) Crevette pattes blanches		
	(S) Camaron patiblanco		
<u>Metapenaeus ensis</u>	(E) Greasyback shrimp	2%	China, Vietnam, Philippines, Taiwan
	(F) Crevette glissante		
	(S) Camaron resbaloso		

Subphylum Crustacea

Class Cephalocarida

C. Branchiopoda (e.g. fairy shrimps and brine shrimps)

C. Remipedia

C. Ostracoda (e.g. mussel or seed shrimps)

C. Mystacocarida

C. Tantulocarida

C. Cirripedia (e.g. barnacles)

C. Copepoda (e.g. calanoids and harpacticoids)

C. Branchiura

C. Malacostraca

Subclass Phyllocarida

Order Leptostraca

Subclass Eumalacostraca

Superorder 1. Syncarida

Order Bathynellacea

O. Anaspidacea

Superorder 2. Hoplocarida

O. Stomatopoda (e.g. mantis shrimps)

Superorder 3. Peracarida

O. Mysidacea (e.g. opossum shrimps)

O. Cumacea

O. Tanaidacea

O. Isopoda

O. Speleogriphacea

O. Amphipoda

O. Thermosbaenacea

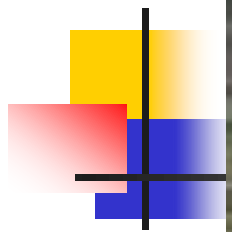
Superorder 4. Eucarida

O. Euphausiacea (e.g. krill)

O. Decapoda (e.g. crayfish, lobsters, shrimps and crabs)



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Litopenaeus vannamei

Pacific White Shrimp

