

**Polypure® Shrimp (Pre) Maturation Feed**

Januari 2017

Polypure is an innovative (pre) maturation feed for shrimp hatcheries, based on SPF cultured Marine Polychaetes, Nereis Virens, from the Netherlands. Polypure can be used throughout the adult and breeder phase and in maturation.

During the reproduction period Polypure will keep the shrimp in prime condition ensuring quick recovery after each spawn

**Important features:**

- Certified SPF by University of Arizona
- Produced with fresh marine ingredients only
- Produced at temperatures below 30 °C
- No leakage and reduced water exchange
- Can be used in automatic feeders for 24/7 feeding.
- Storage at room temperature (max. 20°C/68°F)



**Formula and analyse of Polypure**

%	Polychaete	Squid	Razor Clams	Moist	Protein	Fat	Omega 3/6	HUFA
<b>Polypure-5</b>	5	25	70	22	49	4.37	0,03	0.13
<b>Polypure-15</b>	15	25	60	22	47	4.37	0.09	0.26
<b>Polypure-25</b>	25	25	50	22	44	4.37	0.14	0.38
<b>Polypure-35</b>	35	25	40	22	42	4.37	0.20	0.50
<b>Polypure-50</b>	50	25	25	22	37	4.37	0.28	0.68

Delta Farms has developed unique bio secure feeds based on the cultured Polychaete, *Nereis virens*, for shrimp hatcheries. Polypure contains Polychaetes (various %), squid and razor clams. After grinding and mixing the product is dried in a worm-like shape. The unique properties of the ingredients are secured by maintaining low temperatures throughout production. The temperature does not exceed 30°C/85°F during processing. The formula is based on protocols from within the shrimp industry. Polypure is a stand-alone diet and can be used throughout the pre-maturation and maturation phase. No need for fresh feeds and is applicable for all species. Polychaete inclusion can be adjusted to local requirements.

### Target parameters per phase

	Phase		Density pc/m <sup>2</sup>		Period days		Survival %		Size g/pc		Biomass g/m <sup>2</sup>	
	start	finish	start	finish	min	max	regular	culling	start	finish	start	finish
<b>Grow Out</b>	Juvenile	Adult	20	16	90	120	80	75	0,25	25	5	400
<b>Pre-Maturation</b>	Adult	Breeder	10	8	90	120	80	25	25	40	250	320

### Feed per phase

	Phase		Period days		Type of Feed
	start	finish	min	max	
<b>Grow Out</b>	Juvenile	Adult	90	120	High quality grow-out feed
<b>Pre-Maturation</b>	Adult	Breeder	0	15	Switch from High quality grow-out feed to Polypure-5
			15	30	Polypure-5
			30	60	Polypure-15
			60	90-120	Polypure-25 / Polypure-35 / Polypure-50

### Feeding instructions:

- Feeding "at libidum", 1 hour after feeding, left-over feed +/- 5%.
- Use feeding trays with at least on 10% of the total fed amount, to monitor and adjust feed amount.
- Feed at least 4 times/24 hours or automatically 24/7.

### Handeling:

- Store dark and cool (max. 20°C/68°F)
- Pellet size: worm-shaped feed in various thicknesses (2-5mm)
- Packed in 2,5/5 kg buckets