AQUA care

SKRETTING
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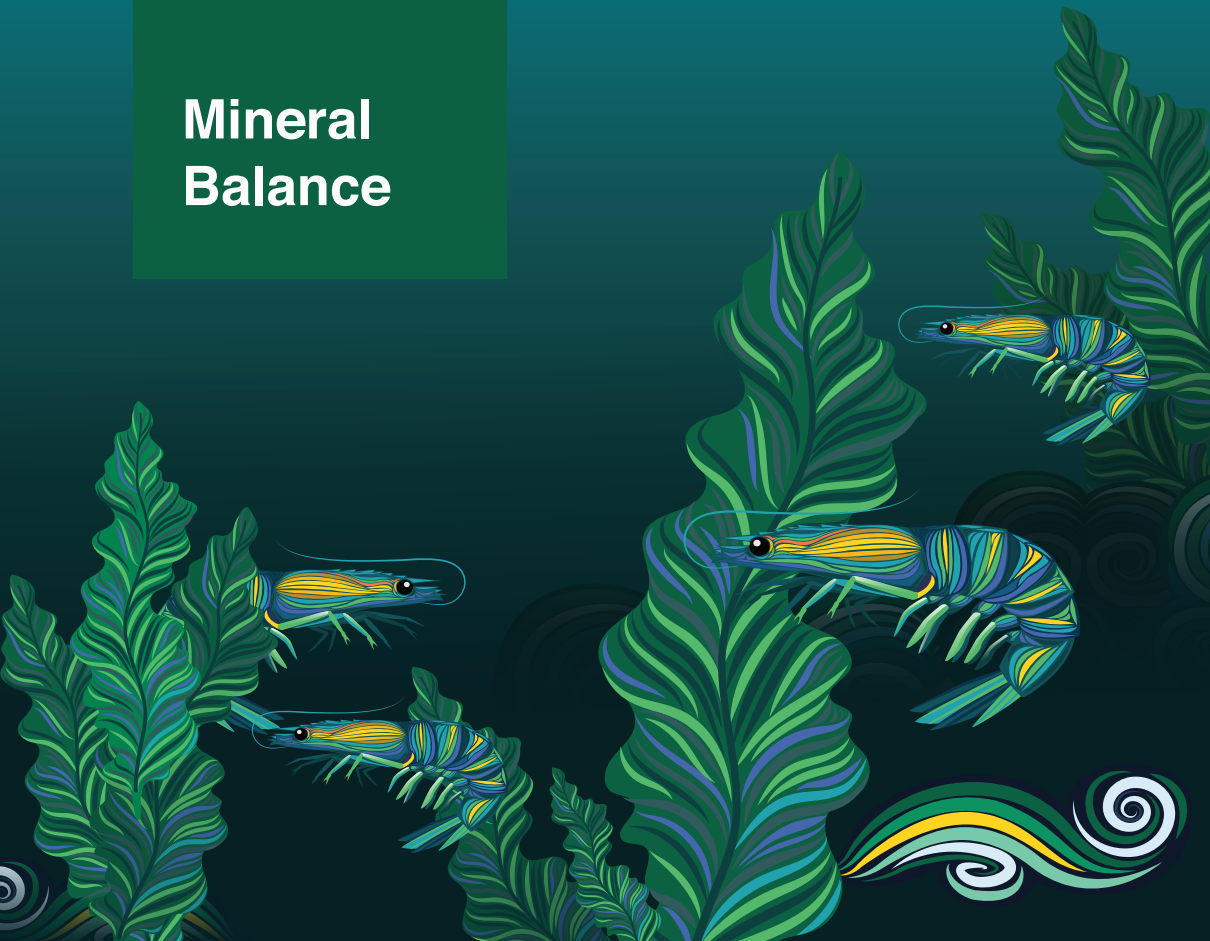
Mineral Balance

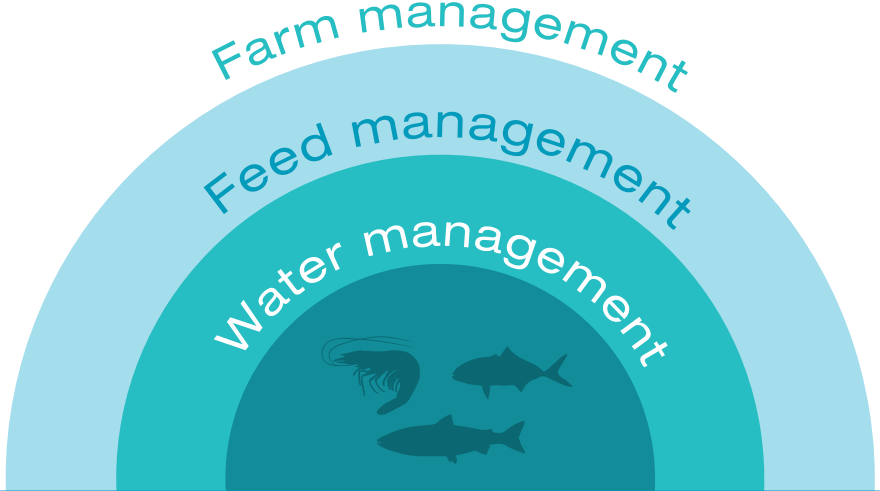


A holistic approach to health and welfare

Mineral imbalance in pond water can affect shrimp development. To achieve the desired productivity, pond water may require supplementation of minerals.

AquaCare Mineral Balance supports shrimp adapt to environmental conditions. The highly bioavailable formulation contains macro and trace minerals that help maintain the mineral balance in pond water.

For optimal results, AquaCare Mineral Balance should be used as part of an integrated approach that includes water, feed, health and farm management.



AQUA care

A proprietary combination of both macro minerals (Ca, Mg, K, Na, S) and trace minerals (Zn, Mn, Se and Si)

Highly concentrated and bioavailable

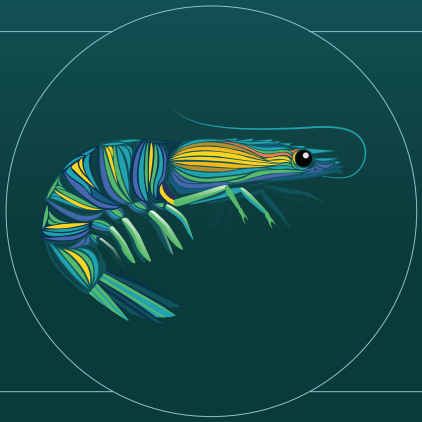
Ionic balance between major components

Cost-effective when applied at the right dose and frequency

Minerals in AquaCare Mineral Balance support

01.
Maintenance of the ionic balance for good growth conditions

02.
Osmoregulation



03.
Moulting and exoskeleton development

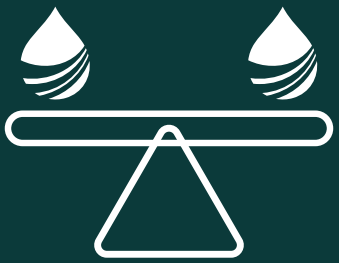
04.
Shrimp physiology and muscle function

Ionic balance

Improper ionic imbalance, as a result of different mineral ratios in water, can lead to osmotic stress, potentially affecting growth and survival in shrimp. These ratios should be similar to seawater in order to meet the physio-biological needs of shrimp.

Shrimp can grow in a broad range of salinity, but changes in these levels require shrimp to use energy for adaptation. The salinity in water composition varies in different geographies and can be affected by environmental challenges such as rainy season. This can have an impact in the mineral concentration.

AquaCare Mineral Balance contains minerals beneficial for maintenance of ionic balance, facilitating for good growth conditions.

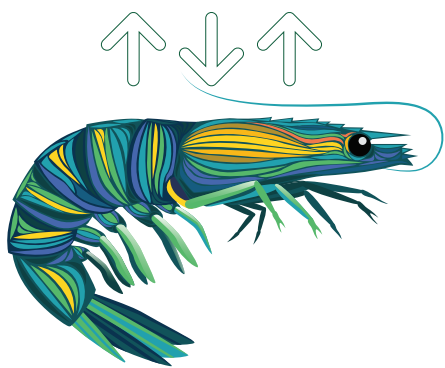


Osmoregulation

Minerals play a major role in the osmoregulatory function in euryhaline crustaceans.

Osmoregulation is the process that allows shrimp to regulate the intra and extra cellular body fluids under wide salinity variations. This process demands energy consumption. It is essential to maintain optimal conditions to ensure that energy is used for growth.

AquaCare Mineral Balance supports osmoregulation and shrimp adaptation to environmental changes under different water salinities.



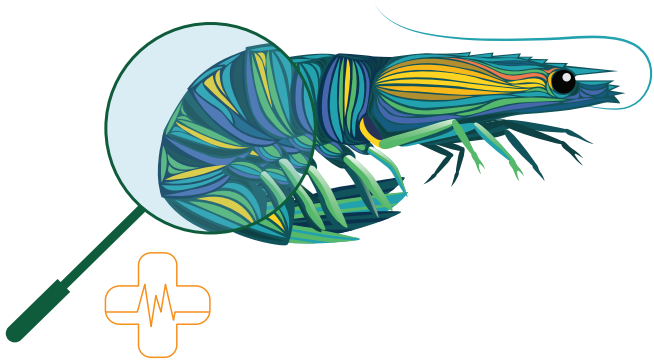
Moulting and exoskeleton development

Minerals are important elements in moulting and new exoskeleton formation.

Moulting enables shrimp growth. During the moulting process, the old exoskeleton is periodically cast off in order to grow a new one. This allows the shrimp to recover from damage and abnormalities in its exoskeleton. Through moulting, dirt, parasites and bacteria are removed.

AquaCare Mineral Balance supports moulting and exoskeleton development, stimulating faster exoskeleton hardening.

Shrimp physiology and muscle function

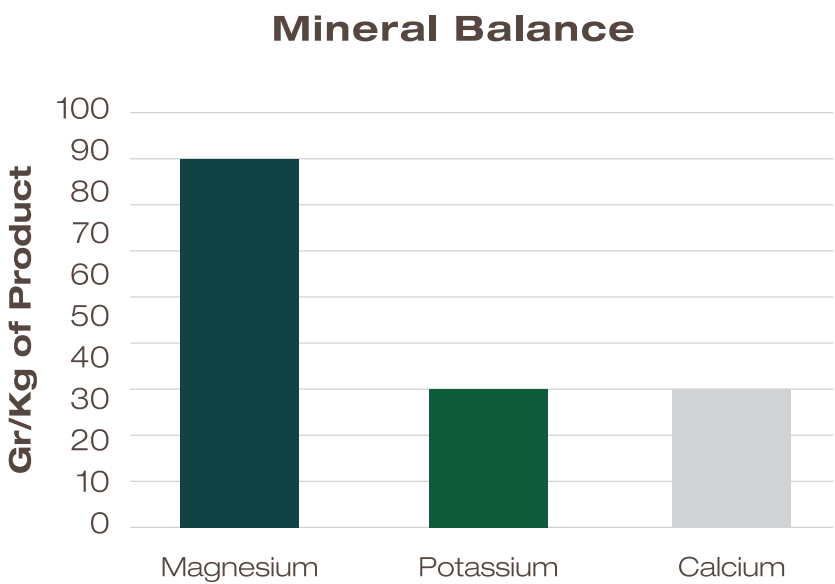


Mineral deficiencies can lead to a depletion of body reserves, as well as problems with muscles, nervous system and skeletal structure.
This can eventually slow down growth, cause diseases and potentially lead to mortality.

The minerals combination and levels in AquaCare Mineral Balance were formulated to support shrimp, physiology, muscle and nerve function.

Composition

AquaCare Mineral Balance consists of a blend of macro minerals (Ca, Mg, K Na, SO_4) and trace minerals (Zn, Mn, Se and Si) in high available form.



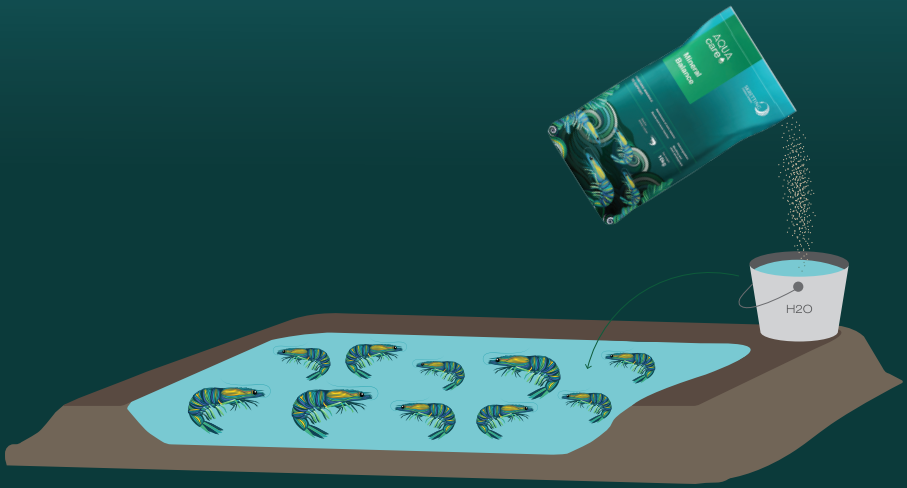
Dosage

1. Hatchery and nursery tanks: 3g/1m^3 (1000L)
2. Shrimp grow-out:

Shrimp stock density (pcs/m^2)	<50	50-100	100-150	Frequency
Before stocking/pond preparation (kg/ha)		30		1 time
Pond salinity lower than <10ppt (kg/ha)	15	15	20	Every week
Pond salinity higher than >10ppt (kg/ha)	10	10	15	Every week
Supports shrimp during rainy season and moulting (kg/ha)	15	20	25	Every week
Supports against muscle disorders and cramps (kg/ha)	15	20	25	Every 2 - 3 days
Promoting plankton development (kg/ha)	10	15	20	Every week

NOTE: DOSE SHOULD BE ADJUSTED AFTER WATER EXCHANGES | 1 ha pond ≈ 2.47 acres | 1 acre ≈ 0.405 ha

Application method



Pre-dissolve AquaCare Mineral Balance with pond water and spread over the pond surface near the aerators for even distribution.

Skretting is the global leader in providing innovative and sustainable nutritional solutions and services for the aquaculture industry. Skretting has production facilities in 19 countries on five continents, and manufactures and delivers high quality feeds from hatching to harvest for more than 60 species. The total annual production volume of feed is more than 2 million tonnes. The head office is located in Stavanger, Norway. Skretting is the aquaculture division of Nutreco, a world leader in animal nutrition.

Our purpose is Feeding the Future.

www.skretting.com

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