calix

AQUA-Cal+™

Vannamei / Monodon Shrimp **Grow-out Protocols Liner Ponds**

A. Standard growout setup

Shrimp Type	Pond Size	Water	Density (pcs/m²)
Monodon	0.5ha x 1.5m	Brackish	30-45
Vannamei	0.5ha x 1.5m	Brackish	100-200

B. Standard pond pre-treatment guideline

1. AQUA-Cal+ can be used as a watertable and pond bottom conditioner to enhance healthy shrimp growth and survival.
2. Fill the pond with clean brackish water (1.2 -1.8 m depth).
3. Use chlorine / hydrogen peroxide for the 1st round water treatment and aeration of the pond.
4. On day 3, begin applying AQUA-Cal+ close to the operating paddle wheel and leave for 5 – 10 days (It is suggested to use 2 dosing points per pond at 2 opposite ends for better AQUA-Cal+ dispersion).
5. Pre-treatment of 10 ppm AQUA-Cal+ should be diluted 4 to 1 with pond water.
6. Before beginning stocking, check pond water for alkalinity (90 – 130 ppm), algae growth and pH (7.5 – 8.0).

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C. Grow out dosing guideline

Monodon

1. In week 4 start weekly dosing of AQUA-Cal+ at 2 ppm.
2. At week 15 increase AQUA-Cal+ to 3 ppm until the end of grow out.
3. Ammonia should be checked on a weekly basis. If levels rise above 1ppm all the available phosphate in the pond has been used. For the struvite reaction to take place magnesium (AQUA-Cal+), ammonia and phosphate is needed. Phosphate is supplied from the feed. Phosphate should be checked on a regular basis and should be supplemented if levels are below 1 ppm.
4. If required, add 1kg TSP* per 1000m^3 of water. This should be dosed immediately after weekly dosage of AQUA-Cal+.

Vannamei

1. In week 4 start weekly dosing of AQUA-Cal+ at 4 ppm.
2. At week 9, increase AQUA-Cal+ to 5 ppm until end of grow out.
3. Ammonia should be checked on a weekly basis. If levels rise above 1ppm all the available phosphate in the pond has been used. For the struvite reaction to take place magnesium (AQUA-Cal+), ammonia and phosphate is needed. Phosphate is supplied from the feed. Phosphate should be checked on a regular basis and should be supplemented if levels are below 1 ppm.
4. If required, add 1kg TSP* per 1000m^3 of water. This should be dosed immediately after weekly dosage of AQUA-Cal+.

*TSP = Triple Superphosphate

D. Product handling

1. Keep products under the shade and away from heat.
2. It is not advisable to apply product in the middle of the grow out (Consult with Authorised Distributor).
3. Always stir / shake before use.
4. Always mix well with water before any application; iron / pond / water pre-treatment, weekly grow out.
5. Dose diluted product next to the operating paddle wheels, spray to every part of the pond or use a boat and toss product with a bucket.
6. Do not apply product near feeding time to avoid feed settling to the pond bottom. Dose at least 1 hour before or after feeding.
7. If the product gets into eyes, wash them with running water.
8. It is not harmful if swallowed but may cause diarrhoea if 2 gm or more is consumed, drink lots of water.

For a tailored advice, to suite your specific region and protocols please contact:

Technical Support

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