calix

AQUA-Cal+™

Vannamei / Monodon Shrimp **Grow-out Protocols Earthen Pond**

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	80-150

B. Standard pond pre-treatment guideline

1. AQUA-Cal+ can be used as: pond bottom conditioner, neutraliser, sanitizer and to prevent iron leaching.
2. Expose pond bottom for 1- 2 weeks (Or until soil cracking occurs).
3. Apply lime / tea seed cake if necessary and leave for a number of days required.
4. Fill pond with clean brackish water (1.5m depth).
5. Use chlorine / hydrogen peroxide for 1st round water treatment and aerating the pond.
6. Day 3 begin apply AQUA-Cal+ nearby operating paddle wheel and leave for 5 – 10 days (Suggesting 2 dosing points per pond at 2 opposite point for better AQUA-Cal+ dispersion).
7. Pre-treatment- 20 ppm AQUA-Cal+ should be diluted 4 to 1 with pond water.
8. Before begin 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. Week 4 start weekly dosing of AQUA-Cal+ at 2 ppm.
2. Week 9 increase AQUA-Cal+ dosage to 3 ppm until end of grow out.
3. Ammonia should be checked on a weekly basis if levels rise above 1ppm you have used all the available phosphate in the pond. For the struvite reaction to take place we need Magnesium (AQUA-Cal+), ammonia and phosphate. 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 1000m³ of water this should be dosed immediately after weekly dosage of AQUA-Cal+.

Vannamei

1. Week 4 start weekly dosing of AQUA-Cal+ at 4 ppm.
2. Week 9 AQUA-Cal+ 5 ppm until end of grow out.
3. Ammonia should be checked on a weekly basis if levels rise above 1ppm you have used all the available phosphate in the pond. For the struvite reaction to take place we need Magnesium (AQUA-Cal+), ammonia and phosphate. 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 1000m³ of water this should be dosed immediately after weekly dosage of AQUA-Cal+.

D. Product handling

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