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## RESEARCH REPORTS

Sustainable Aquaculture for a Secure Future

Title: Silicon, Diatoms in Aquaculture

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Abstract:

The silicon plants take up in silicic acid from water strengthens cell walls. Among the phytoplankton, diatoms particularly need silicon. Diatoms have good nutritional value and do not degrade water quality, so shrimp farmers often attempt to increase their abundance relative to other planktonic algae. To support diatoms, farmers should use silica products that contain 20% silicon. However, silicates have lower neutralizing values than agricultural limestone or lime, which are cheaper and more readily available.

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