

# Aquaculture Pond Cakes



## Aquaculture Pond Cakes - Trial Report: Name of the Products = SludgNil and OxyZen

### Pond details:

Water spread area = 1.0 acre  
 DOC = 96 days  
 Stocking density = 35,000  
 Species under culture = *Penaeus monodon*  
 Average Body weight = 18 gm  
 Daily feed = 16 kg  
 Dosage applied = 12 cakes/acre

Parameter	I Dose			II Dose*		
	Before	After 24 hrs	After 72 hrs	Before	After 24 hrs	After 72 hrs
Temperature	29.4	30	30.5	30	31	31
pH	7.86	7.9	7.92	8.04	8.02	8.08
Salinity	4.8	5	5	5	5.2	5.2
Alkalinity	220	210	220	190	200	200
Hardness	740	730	740	790	790	800
DO 6 AM	1.9	2.3	3	2.8	2.9	3.4
3 PM	6.8	7.5	8.8	9	8.5	9.6
Ammonia	0.38	0.24	0.13	0.08	0	0
Nitrites	0.04	0	0	0	0	0
Nitrates	0.09	0	0	0	0	0
H <sub>2</sub> S	0	0	0	0	0	0

Plankton cells/ml	24000	29000	36000	34000	36000	44000
Total Vibrio CFU/ml	230	280	200	160	180	130

\* II dose of cakes applied on 8<sup>th</sup> day i.e. on 104 DOC

Average body weight after 106 day = 21.6 gm (3.6 gm gain in 10 days)  
 2x1HP paddle wheel aerators were running between 1 AM to 8 AM daily  
 Average FCR as on 106<sup>th</sup> day = 1 : 1.25  
 Trials are conducted at : Nellore, Andhra Pradesh, India.



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