

Aquaculture Certification Perspectives from Brazil

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Bangkok, March - 2007

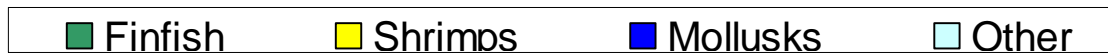
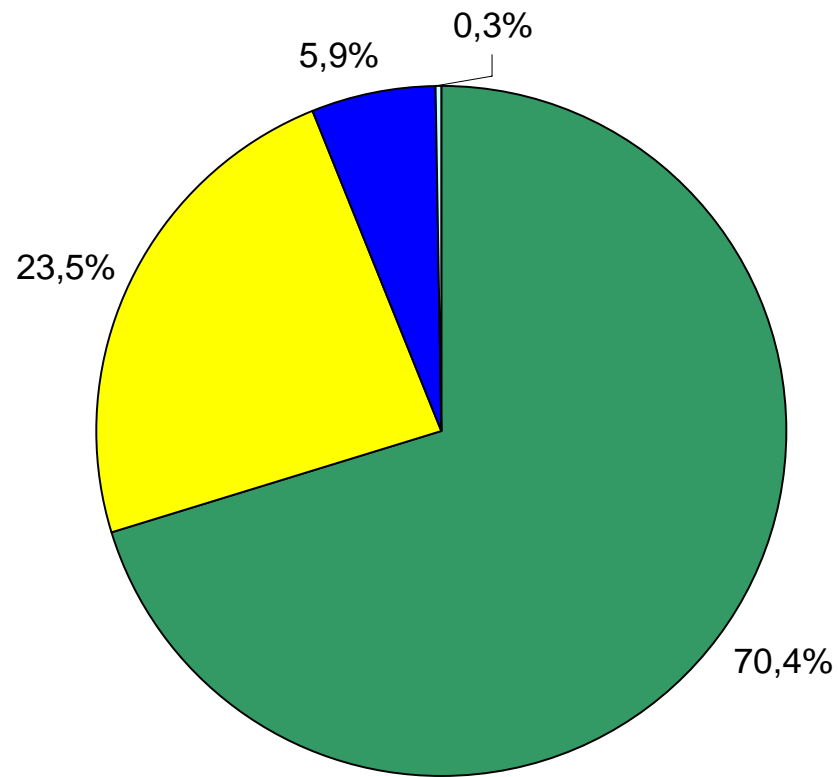


Secretaria Especial
de Aquicultura e Pesca



Brazilian Aquaculture Overview

- Total production of 260.000 tones in 2005.*
- Practiced in all states.
- Important social aspect for both inland and coastal communities.
- Lack of strong development policy until 2003.
- Aquaculture planning, development of legal frameworks and statistical services are priorities now.



State	Small (< 10 ha)			Medium			Large (> 50 ha)			TOTAL		
	Farmers	Area (ha)	Production (ton)	Farmers	Area (ha)	Production (ton)	Farmers	Area (ha)	Production (ton)	Farmers	Area (ha)	Production (ton)
RN	280	972	4.250	82	1.824	8.661	19	3.485	17.896	381	6.281	30.807
CE	119	604	3.502	58	1.439	7.493	14	1.761	8.410	191	3.804	19.405
PE	88	110	468	7	131	763	3	867	3.300	98	1.108	4.531
PB	59	170	739	7	164	850	2	296	1.374	68	630	2.963
BA	33	137	285	12	233	480	6	1.480	6.812	51	1.850	7.577
SC	48	276	958	45	953	2.909	2	132	400	95	1.361	4.267
SE	58	190	757	10	224	1.036	1	100	750	69	514	2.543
MA	4	17	76	3	63	304	0	0	0	7	85	226
ES	12	103	370	0	0	0	0	0	0	12	103	370
PA	3	11	32	2	27	210	0	0	0	5	38	242
PR	0	0	0	1	49	310	0	0	0	1	49	310
RS	0	0	0	1	8	20	0	0	0	1	8	20
AL	1	3	10	1	13	92	0	0	0	2	16	102
PI	7	42	114	4	86	202	5	623	2.225	16	751	2.541
TOTAL	712	2.635	11.561	233	5.214	23.330	52	8.744	41.167	997	16.598	75.904
Part. (%)	71,41	15,88	15,23	23,37	31,41	30,74	5,22	52,68	54,24	100,00	100,00	100,00

Variable	2003	2004	2005
Number of farmers	905	997	850*
Area (ha)	14.824	16.598	12.000
Production (ton)	90.190	75.904	60.000
Productivity (Kg/ha/year)	6.084	4.573	3.800

Certification in the Shrimp Farming Sector

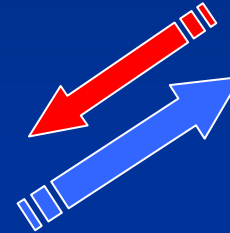
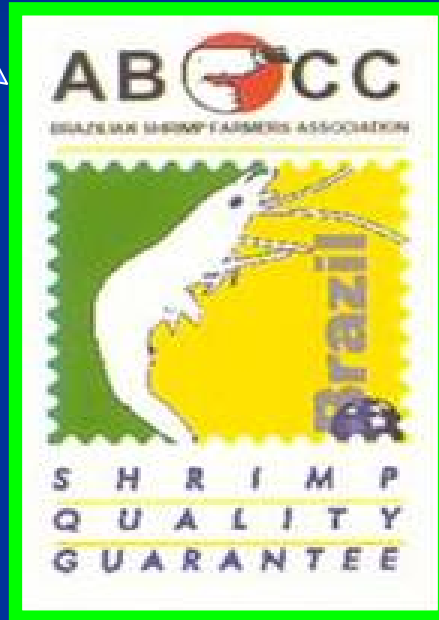
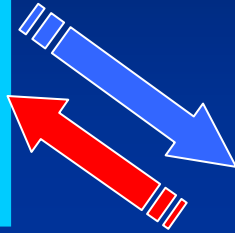
- Initial discussions with ACC.
- Quality Management Program - ABCC with SGS and DQS.
- SEAP and APEX support to ABCC.
- Simultaneous discussions with Eurepgap.
- Government certification of Integrated Shrimp Farming - PICC
- International Principles for Responsible Shrimp Farming

Certified Shrimp Farms and Facilities

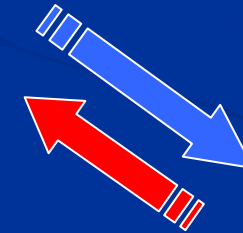
- ACC - 1 hatchery and 1 farm.
- ISSO 14001, 9001 and SAS 8000 - 2 farms.
- ABCC program stopped in 2007.
- Naturland organic certification - 3 farms (one tilapia farm)

BRAZIL: Total Quality in Shrimp Production

CERTIFICADO
ABCC
2005



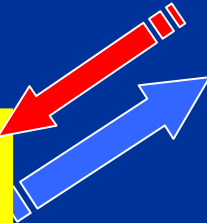
CERTIFICADO
ABCC
2005



CERTIFICADO
ABCC
2005



CERTIFICADO
ABCC
2005



BRAZILIAN SHRIMP FARMERS ASSOCIATION AND QUALITY MANAGEMENT PROGRAM

CODES OF CONDUCT

ABOCC
ASSOCIAÇÃO BRASILEIRA DE CRIADORES DE CAMARÃO

CÓDIGO DE CONDUTA E DE BOAS PRÁTICAS DE MANEJO PARA MATURAÇÃO, REPRODUÇÃO E LARVICULTURA DE CAMARÃO MARINHO

RECIFE - 2004

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BRAZILIAN SHRIMP FARMERS ASSOCIATION (ABCC) AND QUALITY MANAGEMENT PROGRAM



PRODUCTIVE CHAIN CERTIFICATION

CERTIFYING COMPANIES:

SGS (SWITZERLAND)

- FEED FACTORIES
- PROCESSING PLANTS

DQS (GERMANY)

- HATCHERIES
- GROW-OUT FARMS

Future Steps in Brazilian Shrimp Industry

- Legal Framework - (register and control of therapeutic substances)
- Integrated Production Certification - PICC
- International Principles and Consortium support
- National Conference on Responsible Shrimp Farming
- Zoning - Planning and delegation of management power to locals and local government
- Public investments in shrimp farmers cooperatives.



Mytella charruana

(Foto: E.P. Arruda)



Quality in Bivalve Mollusks





11 16:52



Government Actions

- Legal framework - National Committee and NSSP
- Traceability
- Zoning and Participatory Planning
- New farming technologies
- Building processing and depuration plants
- New credit lines
- Producers organization (critical point)





Finfish

- Total production of 180.000 tones in 2005*
- 37 freshwater fish species
- No marine fish farming - Good perspectives on Cobia
- 175 freshwater fish hatcheries - 612 million/year
- Tilapia - 49% (seed) and 65.000 tones/year
- Government Integrated Certification should follow the shrimp industry
- Producers organization (critical point)

Freshwater Fish Seed Hatcheries in Brazil



Legend

Regions of Brasil

- Mid-West
- Northeast
- North
- Southeast
- South

Production (units / year)

- 1 - 500,000
- 500,001 - 1,000,000
- 1,000,001 - 5,000,000
- 5,000,001 - 10,000,000
- > 10,000,001

February - 2006



Thank you!

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