D-FISH

PRESENTATION

Potential of development and supply high quality raw material shrimp: Solutions to boost shrimp production with competitive price



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1.Introduction

- ❖ Brackish water shrimp : major objects
  - o Area: 708 163 ha, growth rate up 1.6% year
  - ✓ Extensive culture areas : stable 540,000 hectares, accounting for 87.8%.
  - ✓ Intensive, semi-intensive culture: 130,000 hectares, accounting for 12.2%
  - o Production: 657,580 tons, growth rate: 10.1% / year
  - o White shrimp: 66 times increased acreage, yield: 62.8 times
- ❖ Market trend of high quality products (food safety, ecology, organic ...)
- ❖ Competing countries
- ❖ Vietnam government actions





2.Opportunity

- ❑ Extensive culture areas: large, stable (87%).
- ❑ Advantage technologies available: Israel, Bioflocs…
- ❑ Enterprise now ready to apply, the state encouraged
- ❑ Farmers consciously produce high-quality products
- ❑ Government-oriented development: 2760/ QĐ-BNN-TCTS

2. Opportunity: Policies

Decision 2760 / QD-BNN-TCTS

- ❖ Sustainable, efficient, improve productivity and product quality;
- ❖ Diversification of modes of production, promote the advantages
- ✓ Black Tiger Shrimp: shrimp - Rice
- ✓ White leg Shrimp: Intensive, super-intensive

- ❖ Development of intensive aquaculture areas,
- ❖ High-tech applications *(less water use, recycle water system biosecurity)* and ecological environment protection.

2. Opportunity: Policies

Decree 61/2010/NĐ-CP

- ❖ Deals on land:
- ✓ Exemption or reduction of: use / lease of the state, changing the purpose of use
- ✓ Support for land rent / surface water by households and individuals;

- ❖ Invest:
- ✓ Training of human resources;
- ✓ Market development;
- ✓ Consulting Services
- ✓ Applying science and technology;
- ✓ Freights.

2. Opportunity: Science and Technology

- Israel Green house technology : 3-4 crops/year, Productivity:150.000-200.000 tons/ha/year
- *Recycle water system*, less water use system , Biofloc:
- Intensive,semi-intensive culture: 130,000 hectares, accounting for 12.2%
- Enterprise now ready to apply

Bạc Liêu (*Viet Uc: 50 ha; Hải Nguyên: 45 ha, Trúc Anh: 03 ha);* Sóc Trăng *(20 ha)* and Kiên Giang (Trung Sơn: 150 ha, Minh Phú: 128 ha...)





3. CHALLENGES

- ❑ Disease outbreak often occurs
- ✓ Over use of antibiotics
- ✓ The cost of inputs increase
- ❑ Poor Infrastructure
- ❑ Unexpected fluctuation of Weather, climatic
- ❑ Higher product prices
- ❑ Small scale production

4. Solutions: organic /eco-culture

- ❖ Keep extensive culture areas stable, improving productivity
- ✓ Developing and implementing the project of Rice-shrimp culture in Mekong Delta 2016-2018
- ✓ Technical improving ang better managing Rice-shrimp culture (150.000-250.000 ha)
- ✓ Black Tiger shrimp *(high quality, low production cost and eco label products*
- ✓ Kiên Giang (71.000 ha), Cà Mau (17.700 ha) và Bạc Liêu (29.600 ha)
- ❖ Expand culture areas *(saline extrusion)*







4. Solutios: *science and technology application*

For intensive farming

- ❖ Investment in infrastructure (government)



- ❖ Strict control inputs

- ❖ GAP application

- ❖ Production of seed pathogens free (SPF),
- ❖ Domestication of Brood stock



4. Solutios: *science and technology application*

- Supper intensive culture
- Application of molecular biology and immunology, microbiology in prevention and treatment of serious diseases
- Apply Biofloc or semi - Biofloc technologies, waste treatment technologies, wastewater treatment in shrimp farming





4. Solutions: *Production organization and management*

- **Forming production chain**: processing enterprises export link to farming areas through economic contracts.
- **Reorganization of production:** shrimp farming associated with community-based management, cooperative groups to manage the environment and water resources.
- Develop regional planning production, branding and product certification for eco-farmed shrimp, organic farming.
- Planning, performance management planning and environmental protection.
- Develop, review standards, regulations, procedures, and technical and economic norms in order to create a legal basis for the management of brackish water shrimp

4. Solution: *capital*

Socialize capital.

State budget capital: investment in infrastructure development seed production, transfer and application of science and technology, research on producing of new species, capacity buildings and policies to attract investment into seed development.

ODA and non-governmental organizations: Technology, consulting, capacity building, modeling, technology transfer .

Capital of other economic sectors: investment in development hatchery; encourage economic investment component of scientific and technological development in the field of brackish water shrimp hatchery.

4. Solution: *Policies*

- Allocation of land/ water surface to shrimp farming (stable, long term)
- Creating investment incentives and equal between domestic enterprises and foreign investors.
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Thank you for your attention

