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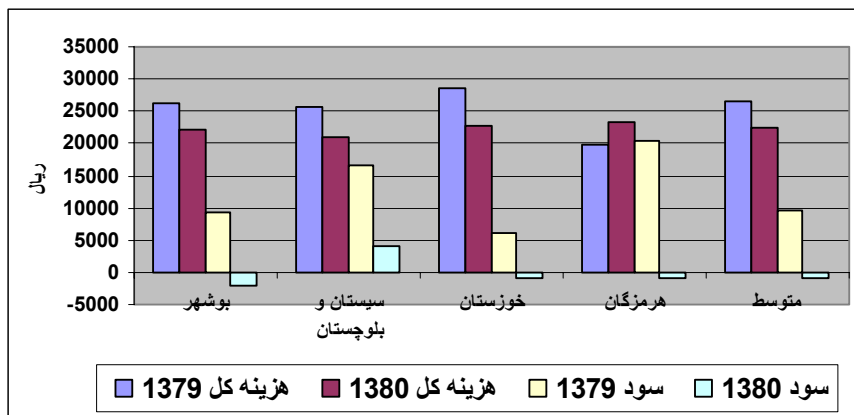


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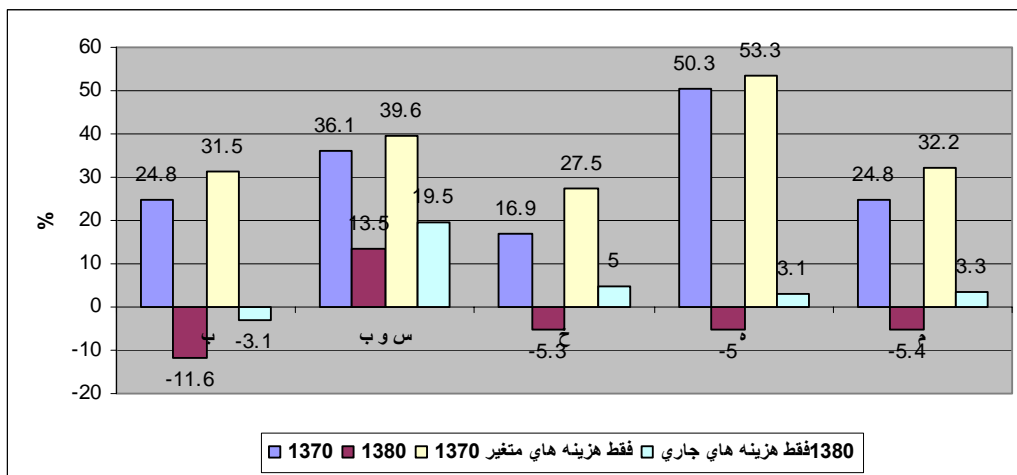
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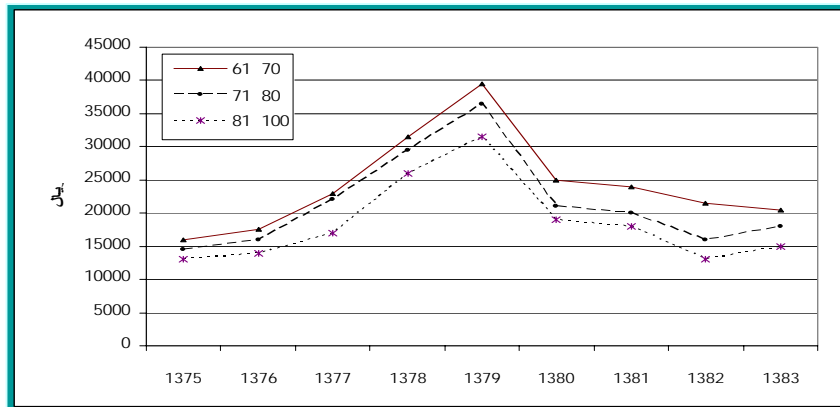
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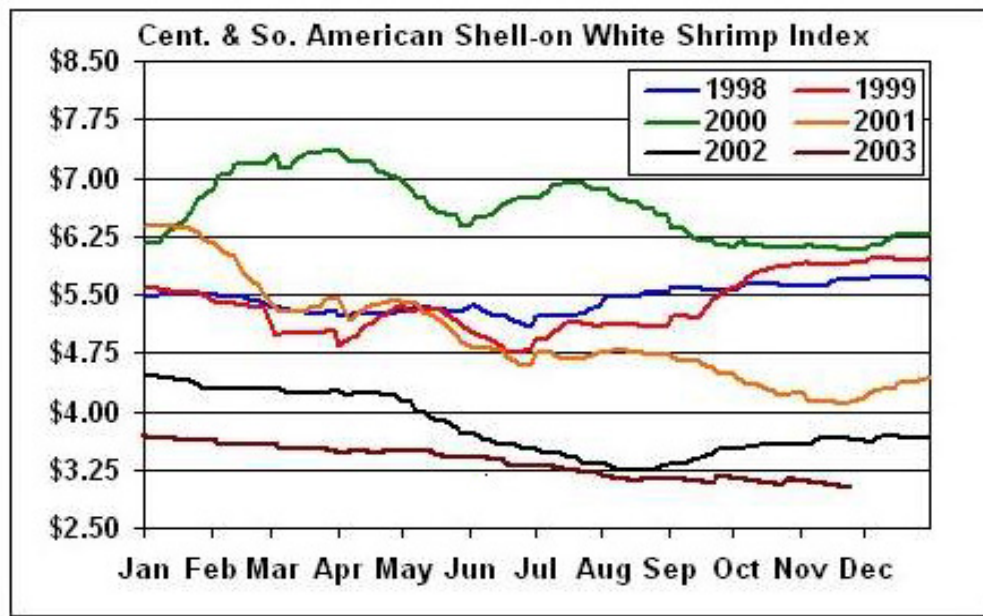
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20- Allen, G. W., Botsford. M. Shuur & W. Johnston, 1984. Bioeconomics of aquaculture, Elsevier, Netherland. 351.

21- Bailly, D. 1989. Aquaculture economics: Identification and management of production costs; Business joins science, European aquaculture society, Bredene, Belgium.No. 12. 359-369.

22- BJORNDAL, T. 1987. Industrial structure and costs of production in the Norwegian aquaculture industry, perspectiva de la Salmoni cultura en Chile, Fundacion Chile, (cited by BJORNDAL. 1990).

23- BJORNDAL, T. 1988. The optimal harvesting of farmed fish. Marine resource economics 5: 139-159.

24- BJORNDAL, T. 1990. The economics of salmon aquaculture, Blackwell scientific, publications, London, UK. 118.

25- Chaston, I. 1983. Marketing in fisheries and aquaculture, Fishing News Books Ltd., London, England, 143.

26- Chaston, I. 1984. Business management in fisheries and aquaculture. Fishing News. Books Ltd. London. England. 128.

27- Cunningham, S. M., R. Dunn. & D. Whitmarsh, 1985. Fisheries Economics; an introduction. Mansell publishing limited. London. England. 372.

28- FAO,. 2002. The state of world fisheries and aquaculture, FAO, Rome, Italy, 138.

29- FAO, 2004. The state of world fisheries and aquaculture, FAO, Rome, Italy,153.

30- FAO, 2006. State of world aquaculture 2006, FAO, Rome, Italy,147.

31- Ferdouse, F. 2004. 19<sup>th</sup> Governing council of INFOFISH,Bangladesh, 34.

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- 32- Ferdouse F. 2005. 20<sup>th</sup> Governing council of INFOFISH.India. 38.
- 33- Ferdouse F. 2007. Vannamii Seminar in Iran, Shilat, 41p.
- 34- Globfish. 2005. www.Globfish.
- 35- Hirasawa, Y. 1985. Economics of shrimp culture in Asia, p 131-150. *In*: Taki Y., Primavera J.H. and Llobera J.A. (Eds.), Proceedings of the first international conference on the culture of penaeid prawns / shrimps. Iloilo City, Philippines, 1984. SEFDEC, Aquaculture Department, Iloilo, 197.
- 36- Infofish. 2002. Marketing Trends No. 4/2002, p. 41-44.
- 37- Jolly, C. M. & H. A.Clonts, 1993. Economics of Aquaculture, Haworth Press, Inc., Binghamton, New York, 319.
- 38- Josupeit, H. 1995. Impact of aquaculture production on market prices, *Infofish International*, 4/95 : 22-24.
- 39- Ling, B.H., P.S. Leung & Y.C. Shang, 2001 <sup>a</sup>. Overview of the world shrimp industry, Leung P.S. and K. Sharma, 2001, Economics and management of shrimp and carp farming in Asia. NACA. Bangkok, Thailand, 240pp. p 3-11.
- 40- Ling, B.H., P.S. Leung & Y.C. Shang, 2001 <sup>b</sup>. Comparing Asian shrimp farming: the domestic resource cost (CDRC) approach, Leung P.S. and K. Sharma, 2001, Economics and management of shrimp and carp farming in Asia, NACA. Bangkok, Thailand, 240pp. p13-31.
- 41- Muir, J. F. 1995. Perspectives on aquaculture; Aquaculture and food security, Document commissioned by the Food and Agriculture Organisation of the United Nations, Rome, 224.
- 42- Muir, J. F., J. A.Young & A.Smith, 1995. Aquaculture. economics and development: European perspective, EAFE Conference, Portsmouth April 1995. 15.
- 43- Muir, J. F., J. A.Young & A.Smith, 1996. Mediterranean aquaculture: Crisis or challenge?. EAFE Conference, 18.
- 44- Palfreman, A. 1999. Fish Business Management Strategy –Marketing-Development, Fishing news books, London, UK., 394.
- 45- Pillay, T.V.R 1990. Aquaculture; Principles and Practices, Fishing News Book Ltd., London, UK., 575.
- 46- Pillay, T.V.R. 1994. Aquaculture development: progress and prospects. Fishing News Books, London, UK., 182.
- 47- Rosenberry, B. 2000. World shrimp farming 1999. Shrimp farming News, International, San Diago, USA, 322.
- 48- Rosenberry, B. 2002. World shrimp farming 2000. Shrimp farming News, International, San Diago, USA, 319.
- 49- Salehi, H. 1997. Analyses of the key factors on producing and improving of carp farming in Iran, Tehran, Iran, 92.
- 50- Salehi, H. 1999. A strategic analyses of carp culture development in Iran, PhD Theses, 328.
- 51- Salehi, H. 2003. Market perspective on cultured carp products in Iran. (unpublished) Asia pacific conference on aquaculture, 2003, Bangkok, 45.
- 52- Salehi, H. 2004<sup>a</sup>. An economic analysis of carp culture production costs in Iran. Iranian Journal of Fisheries Sciences, IFRO, Tehran, Iran, 1-24.
- 53- Salehi, H. 2004<sup>b</sup>. The role of Fisheries on fish consumption development in Iran, (unpublished), The role of aquatic products on health, Symposium, Dec., 2004, Semnan, Iran, 90.

- 
- 54- Salehi, H. 2005. An Economics Analysis of Trout (*Oncorhynchus mykiss*) Farming Production in Iran, (unpublished) World Aquaculture Society Conferences, May 9-13, 2005, Bali, Indonesia, 54.
- 55- Shang, Y. C. 1981. Aquaculture economics: Basic concepts and methods of analysis, Croom Helm Ltd., London, 153.
- 56- Shang, Y. C. 1990. Aquaculture economics analysis: An introduction. Advances in world aquaculture, Volume 2, The world aquaculture society, USA, Louisiana state university, Baton Rouge, 211.
- 57- Shaw, A. S. 1988. The economics of Scottish salmon farming, Proceedings of OECD Extending meeting on aquaculture, Paris, (*Cited by* Bjorndal 1990).
- 58- Shaw, A. S. 1989. Markets for farmed salmon, Report prepared for The FAO, (*Cited by* Bjorndal 1990).
- 59- Shaw, A. S. & J. F. Muir, 1987. Salmon: economics and marketing. Croom Helm, London, UK., 270.
- 60- Smith, I. R. 1981. Microeconomics of existing aquaculture production systems: Basic concepts and definitions, Aquaculture economics research in Asia, by Joseph H. Richard A. Neal and David W. Steedman. ICLARM, Manila, Philippine, p 15-25.

## The Effect of Shrimp global price Decline on Profitability of Shrimp Farming in 2001 in Iran

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### Abstract

In Iran, shrimp farming development plays an important role in employment, export and rural development in coastal areas. However, the physical potentials for shrimp farming development may be clear in Iran, its profitability for the producers needs to be analyzed, particularly followed by 40 percent price decline of shrimp products in the world. In 2001, a study of profitability of shrimp farming was carried out in 231 farms at four coastal provinces in the south of Iran. A questionnaire was prepared for data collection, an expert team completed the questionnaires. Data entered in SPSS spread sheet and analysed. Results showed, shrimp production is 1958 Kg per ha. with total cost per Kg production of 22336 Rials. All producers loose on average, 836 Rials per kg productive shrimp and could not cover the production costs. Overall, the results showed that the decline of shrimp global cost has been caused the shrimp farmers to loose in 2001.

**Key words:** Price, Cultured Shrimp, Production cost, Profitability, Iran

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