

Technology Transfer & New Product Development -- A Case of Long Chung Farm Sunny Eggs

邱石崇、劉遠超；邴傑民

E-mail: 9416091@mail.dyu.edu.tw

ABSTRACT

In Taiwan the way to feed the layer mostly still stay in small scope and traditional method, which is not fit in with the modern tide in whole economic benefit and environment evaluate. Besides, the egg dealers controlled the market, the whole sales system hold back the progress on egg production and marketing. Furthermore, after Taiwan entering to the WTO, the import tax for egg will be dropped from 40% to 25% and reduce year by year, how to improve the egg quality and increase the international market is our key point for the report. The way to make the research is combined "Focus Group" and "Experience Survey", it confers with technical transfer for Taiwan egg industries and new product develop, not only collect all the records and data, but also interview with the practiced operator and professional manager in industries, government official and academic to search the first hand information, as they are very experienced in the field, the conclusion for the interview can make up the deficiency on the documents. This report put in use my own product — Sunny Eggs, to evaluate and analyze the case, brings up the process and essential condition for how to change the farm products to be a commodity, apply Porter (Five Force Model) 1.potential mover 2.existent competitor 3.negotiated power of the buyer 4.negotiated power of the supplier 5.substitute, the analysis prove that only thru technical transfer and develop the new product, the egg industries in Taiwan can improve its image and create another high peak in the business.

Keywords : technical transfer ; new product develop

Table of Contents

封面內頁 簽名頁 授權書.....	iii 中文摘要.....
.....v 英文摘要.....	vi 誌謝.....
.....vii 目錄.....	viii 圖目錄.....x
表目錄.....	xi 第一章 緒論.....1 第一節
研究背景.....	1 第二節 研究動機.....2 第三節 研究目的.....
.....5 第四節 研究流程.....	6 第二章 產業概況.....
.....7 第一節 全球蛋雞產業的現況.....	7 第二節 國內蛋雞產業的現況.....10
第三節 台灣雞蛋CAS洗選廠之概況.....	17 第四節 蛋雞飼養管理.....31 第三章 理論與文獻探討.....
.....34 第一節 技術移轉.....	34 第二節 新產品開發.....
.....36 第三節 企業轉型.....	43 第四章 研究架構與方法.....
.....49 第一節 研究架構.....	49 第二節 研究方法.....51 第五章
個案實況分析.....	54 第一節 牧場概況與技術移轉.....54 第二節 新產品開發 -
鮮力蛋Sunny Eggs.....	75 第四節 鮮力蛋成功關鍵因素.....
.....71 第三節 蛋雞產業環境分析.....	82 第六章 結論與建議.....83 第一節 結論.....83
第二節 建議.....	84 參考文獻.....90 附錄:專家訪談.....95

REFERENCES

- 一、中文部份 1.古世舜，(1998)，「蛋雞場自動化對雞蛋生產效率影響之計量分析」。碩士論文，國立中興大學農業經濟研究所。2.李皇照，(1993)，「台灣地區漁畜產品體系之研究」，農業金融論叢，第30輯。173-219。3.沈添富，(1996)，畜產學，合記圖書出版社。4.周佳欣，(1997)，「台灣中小企業策略性轉型之研究」，東吳大學企業管理研究所碩士論文，台北。5.周佩萱，(1993)，「試析我國中小企業轉型困境」，台灣經濟研究月刊，1993年8月，41-47。6.周淵欽，(1996)，「台灣家計單位食品消費支出分析與預測」，碩士論文，國立中興大學農產運銷研究所。7.姚俊安，(1995)，「社會經濟變數和食品消費支出的關係」，碩士論文，國立中興大學農產運銷研究所。8.黃琮琪、李順成，(1993)，「台灣地區農產品消費支出、合理需求型態與預測雞蛋產業案例(上、下)」，台灣經濟第203期及第204期，72-91；83-105。9.陳怡之，(1995)，「我國廠商技術移轉需求與特性分析」，行政院國家科學委員會專題研究計畫成果報告。

10.陳明璋，(1996)，「企業轉型的略策與成功關鍵」，貿易週刊，1690期，1996年5月，18-21。 11.陳保基，(1999)，「我國畜產事業的願景 - 也談貿易自由化及畜牧法對產業發展的意義」。國立台灣大學農業經濟研究所，演講。 12.曾建勳，(1984)，「技術移轉對產業開發之影響 - 我國機械工業之研究」，國立政治大學企業管理研究所碩士論文，台北。 13.劉欽泉，黃萬傳，(1993)，「規劃台灣地區合理之雞蛋運銷制度」，國立中興大學農業經濟與農產運銷學系。 14.Thomas,Robert J.,(1995), 新產品研發 , 智勝二、英文部份 1. Adrian Slywotzky (1996), Value Migration : How to Think Several Moves Ahead of The Competition, The President and Fellows of Havard College. 2. Barnev, J.(1987), “ Technology Transfer : Examplde from Pakistan ” , Multinational Business ,4(2), pp.18-26. 3. Booz, Allen, and Hamilton,(1982), New Products Management for the 1980s,New York. 4. Chen,M.(1995), ” Technological Transfer to China ” , Major rules and issues, ” International Journal Technology Management ” Vol.10, Nos.7/8 ,pp. 747-756. 5. Cooper.R.G., and Kleinschmidt, E.J., ” Benchmarking The Firm ’ s Critical Success Factors in New Product Development ” , Journal of Product Innovation Managemet,Vol.12,Nov 1995,pp.374-391 6. Crawford, C. M.(1994), New Products Management, 4th Editions, Irwin. 7. Davidson W. H.(1993), Beyond re-engineering: the three pfase of business transformation, IBM systems Journal, Vol.32, No.1, pp.65-79. 8. Gibbs, Anita(1997), “ Focus Groups ” , Sociology Research Update, Winter, Department of Sociology, University of Surrey, Guildford, England, <http://www.soc.surrey.ac.uk/sru/SRU19.html> 9. Greenbaum, Thomas, L.(1998), “ The Handbook for Focus Group Research ” , 2nd Edition, Sage Publications 10. Hartung, J.(1995), Environment and animal health.In : Wathes, C.M. and D.R. Charles. (eds) Livestock Housing. CAB International, Wallingford, UK, pp.25-48. 11. Henderson, R.M. and Clark, K.B.(2001), “ Architectural Innovation : Reconfiguration of Existing Product Technologies and the Failure of Established Firms ” ,by Burgelman et al, “ Strategic Management of Technology and Innovation ” ,3rd ed,pp.448-455 12. Joyce Wycoff & Tim Richardson(1995),Transformation Thinking, Berkley publishing Group. 13. Kleinsghmidt, E.J. ,and Cooper ,R.G.(1991), ” The Impact of Product Innovativeness on Performance ” , Journal of Product Innovation Management, Vol.9,Nov ,pp.240-251. 14. Kotler, P(2000), ” Marketing management ” , 10th Edition, Prentice Hall,pp. 467-468. 15. Lee, D.H.K., K. W.Robinson, N.T.M. Yeates, and M.I.R.Scott (1945), Poultry husbandry in hot climates. Expeirmental Enquiries. Poultry Sci.24:pp.195-207. 16. Mansfield, E.(1975), “ International Technology Transfer: Forms ” , Journal of American Economic Association,Vol.68,No.2,May. 17. McDowell,R.E. (1972), Improvement of Livestock Production in Warm Climates.W.H.Freeman,San Fransisco,pp.110. 18. Satikarn ,M. (1981), “ Technology Transfer: A case Study ” , Singapore University Press. 19. Shaaheen George T(1994), Approach to Transformation, Chief Executive, March ,pp.2-5. 20. Siegel,H.S.,and L.N.Drury.1968.Physiological responses of chickens to variations in air temperature and velocity. Poultry Sci.47:pp.1120-1127. 21. Whittow,G.C.(1965),Regulation of body temperature.In :Avian Physiology, 2ed Edition.P.D. Sturkie, ed., Comstock Publishing Assoc., Ithaca,pp.186. 22. Wilson, W.O., C.F.Kelley, R.T.Lorenzen, and A.E. Woodard. (1957),Effect of wind on growth of fryers after two weeks of age.Poultry Sci.36:pp.978-984.