

Khwanchai Netnoi 2557: Dairy Cattle Management Possibility towards Sufficiency Economy Concept of Dairy Cattle Farmer in Suphan Buri Province. Master of Science (Agricultural Research and Development) Major Field: Agricultural Research and Development, Faculty of Agriculture at Kamphaeng Saen. Thesis Advisor : Associate Professor Am-on Aungsurat, Ph.D. 399 pages.

The objectives of the study were to determine 1) farm management status of dairy cattle farmers in the study areas. 2) cost and return in farm management 3) constraints and recommendations in dairy cattle farm management towards sufficiency economy concept and 4) the possibility to manage the farm according to the sufficiency economy concept. Studied sample was 32 dairy cattle farmers who have a career in dairy cattle raising in Suphanburi province through simple random sampling technique. Interviewing schedule was obtained to collect data. Descriptive statistics were frequency, percentage, arithmetic means, and standard deviation. Inferential statistics to analyze factor affecting the possibility of dairy cattle farm management towards sufficiency economy concept was Phi coefficient.

The results revealed that most farmers were male. Average age was 49 years. Majority education was primary education. Average labor force was 2. Average pasture feed land was 11 rai (4.4 acres). Average milking cow was 11. Most raising was feeding freely in the yard, accounting for 78.1%. Almost all respondents, accounting for 90.6 got feeding concentrate from outside their community. Average ratio of milking cow number in herd per household was below the standard, accounting for 4.8%. Both small scale and large scale farm are in deficit. Break even yield was 137.4 kg. Break even price was 23.3 baht. Urgent knowledge promotion through sufficiency economy were herd management, breeding selection and fertility management, feeding management, and also quality control of raw milk, respectively. Urgent herd management that should be promoted, breeding selection and fertility management, and also farm data management as well. Concerning in sufficiency economy concept, it can indicate that all farms had practiced in this concept the more possibility management is in the medium scale farm. On the other hand, even if small scale and large scale farm had practiced in modesty and immunity aspects, but they were lack of realistic practice because of high cost. Testing hypothesis pointed out that the medium scale farm is appropriate farm to be promoted as the prototype towards sufficiency economy concept in the research site and similar cases.

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