

Premkamol Niyom 2008 : Farmer's Opinions on Using Monosodium Glutamate By-product as Sugarcane Fertilizer in Kamphaeng Phet Province. Master of Science (Agricultural Extension), Major Field : Agricultural Extension , Department of Agricultural Extension and Communication. Thesis Advisor: Assistant Professor Supattra Srisuwan, Ed.D. 189 pages

The objectives of this research were :1) to define the social economic selective exposure and the monosodium glutamate (MSG) by-product used as sugarcane fertilizer of farmers :2) to determine the farmer's opinions in using MSG by-product as fertilizer :3) to compare the farmer's opinions in relation to the basic factors :4) to gather the problems and suggestions of the farmers in concerning with application of MSG by-product as fertilizer. The 103 of farmers were sampling purposively for interviewing in Kamphaeng Phet Province. Statistical analysis used for interpretation were : percentage , mean, standard deviation, t-test , F-test , and LSD

The results found that the average farmer was 47.74 years old, 56.3 % had primary school education, 58.3 % only grew farmer, planting experience 18.29 years, 41.7 % planted in irrigation areas , planted in his/her own land 296.64 rai and 44.97 rai in the rental area with the average production about 13.27 ton/rai,55.3% the first information sourced from the monosodium glutamate company and others, 52.4% not believed in the monosodium glutamate information, 6.98 year user experiences, 66.00 % applied in both the new shoots and coppice sugarcane planting and 70.9 % directly get the fertilizer from the monosodium glutamate company. Findings. The overall of farmer's opinions of the application MSG by-product to the sugarcane plantation was at the "Uncertain" level. The farmers were still some reluctant in the case of MSG by-product application and benefit of the outcome but their were agreed on price of the MSG by-product. The farmers had shown significantly relation among farmers at district, farm land holding and farmer's opinions in applying MSG by-product at 0.01 level. The differences of farmer's education level were found significantly differences in opinion of apply MSG by-product as fertilizer at 0.05 level.

The farmers stated the problems were: not enough and lack of knowledge in concerning with MSG by-product.Suggesstions.Farmers needed knowledge and information of MSG by-product and also their concerned about quantity and price stability of MSG by-product.

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