Attaporn Maneekul 2009: Study on Aflatoxin B1 in Dairy Feed and Feed Stuffs by Thin Layer Chromatography (TLC) in Western Part of Thailand. Master of Science (Agricultural Biotechnology), Major Field: Agricultural Biotechnology, Interdisciplinary Graduate Program. Thesis Advisor: Assistant Professor Sasitorn Nakthong, Ph.D. 60 pages.

Study on Aflatoxin B1 in dairy feed and feed stuffs by thin layer chromatography (TLC) in western part of Thailand. A total of 50 feed samples were collected from dairy feed and total of 42 feed samples were collected from feed stuffs as cassava root, coconut meal and rice bran in Nakhonpathom province, Kanchanaburi province, Ratchaburi province and Petchaburi province. These samples were subjected to Aflatoxin B1 detection. Feed stuff samples were divided to two periods for Aflatoxin B1 detection from May to October 2006 and from November 2006 to April 2007. The result showed that Aflatoxin B1 were found 27 samples in dairy feed (54 percent). Levels of Aflatoxin B1 found at less than 20 ppb, 21-50 ppb, 51-100 ppb and 101-150 ppb were detected in 14 samples (28 percent), 7 samples (14 percent), 4 samples (8 percent) and 2 samples (4 percent), respectively. And Aflatoxin B1 were found 3 samples in feed stuffs (6 percent) at 51-100 ppb, particularly in coconut meal during November 2006 to April 2007. All of dairy feed and feed stuffs were accepted by the Thai ministry of agriculture and cooperative regulation (1994).