Mycotoxins are secondary metabolites produced by the certain strain of fungi when environmental factors are favorable. Exposure to mycotoxins can cause lowered performance, sickness or death of human and animal including birds. Mycotoxins attract worldwide attention because of the significant economic losses associated with their impact on human and animal productivity and both domestic and international trade.

No single method can be successfully eliminated mycotoxins contamination from food and feed. The cooperation and management systems should be emphasized for the prevention and control of mycotoxins. The system might be different from one to another depending on each commodities nature. Hence, to understand the crop and farmer practices from planting, harvesting, on-farm storage, off-farm storage, transportation, processing and selling are very important for team leader to solve the problem. As it is known that the growth of fungi in crop and agricultural product is the main cause of toxin formation and related to the concentration produced. However, three main factors which involve to mycotoxins production are the ability of toxginic fungi, substrate (commodities) and environment such as temperature moisture content and relative humidity. If one of these three factors is lacked, mycotoxins could not be produced. After knowing crop processing steps and factors involving mycotoxins production, appropriate prevention and control measures at each steps could be managed.

Mycotoxins prevention and control in food and feed would not be success if there was no cooperation among farmers, local dealers, manufactures, retailers, exporters, governments and private sectors involved. To build up awareness and strengthen cooperation with all of them by set up the meeting, brainstorming for solution and training on nature and important of mycotoxins including routine monitoring should be set up in the management action plan. Moreover, educate and encourage the consumers to purchase or consume only safety food need to be take part in government campaign. Consequently, the mycotoxins management in food and feed will be automatically operated by producers. The management system was successfully applied to solve the problem of aflatoxin contamination in Hairy Basil Seed exported from Thailand to Japan.