

USDA Foreign Agricultural Service

GAIN Report

Global Agricultural Information Network

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Burma - Union of

Post: Rangoon

Cochran Success Story-Animal Nutrition

Report Categories:

CSSF Activity Report

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Report Highlights:

In July 2019, FAS sent five Myanmar private feed millers and importers to the United States on a Cochran Fellowship Program to learn more about feed and feed ingredients available in the United States poultry, and swine , feed industry, how feed mills are operating, and how the associations do marketing for farmers. Within two weeks of returning home, the fellows shared what they learned at a presentation and workshop aimed at improving Myanmar's feed mill efficiency and sharing knowledge about US feed and feed ingredients.

Summary:

In FY 2019, FAS Rangoon sent five Myanmar feed millers to the United States to participate in a two-week Cochran Fellowship Program on the topic of “Animal Nutrition and Improved Feed Mill Efficiency.” The program gave Fellows an understanding of the U.S. animal and feed industry; raw feeds available in the United States; procurement, pricing and hedging techniques; decision making tools for booking/buying; commercial contract and risk management; and energy and protein contents for different types of soymeal and (Dried Distillers Grains) DDGS; different types of raw feed from different locations; and also how the marketing is done. This program helped to develop the knowledge and skills of Myanmar feed millers who are currently utilizing U.S raw animal feeds such as soybean meal and DDGS in their feed mills. The fellows are members of Myanmar Livestock Federation, and the fellows shared what they learned with other members within the Myanmar Livestock Federation.

General Information:

Background on Myanmar Situation:

This program is the fifth Cochran Fellowship Program implemented in Myanmar, and the second one targeting private sectors members of the Myanmar Livestock Federation and animal feed millers as well as raw feed importers. In Myanmar, large feed millers import raw feed for themselves and for distribution to small feed millers. Myanmar animal feed demand in 2020 is projected at 4.0 million metric tons with a growth rate of 30 percent. Poultry and swine feed account for about three-fourths of total feed demand. The majority of animal feed ingredients used in Myanmar are yellow corn, broken rice, rice bran, and oilcakes. However, complete feed demand is less than 50 percent of total demand and there is need to further educate the small and median scale feed millers through the large millers and farmers who have known the benefit of utilizing the complete feed. Burma is currently importing nearly 400,000 metric tons of soybean meal from the United States, India, Brazil, Paraguay and Malaysia. The program is expected to increase the U.S. share of the animal feed market and also trade volume. Imports of raw feed need an import permit issued by Ministry of Commerce (MOC) and an Import Recommendation issued by Livestock Breeding and Veterinary Department (LBVD) in order to apply for an import license. Both are valid for 3 months. In addition, an Import Certificate (IC) is issued by Department of Agriculture is required for the importation of whole grain corn and soybeans.

Details of the Program:

The Program was organized by North Carolina State University, and provides information about how teaching, research and extension programs, are providing by the University. The program included

- a presentation from the North Carolina Pork Council,
- an overview of the U.S. poultry industry,
- pricing and hedging,
- decision making tools for booking/buying,
- feed formulation for improved nutrition, with a focus on swine feed,
- feed formulation for improved nutrition, with a focus on poultry feed at NC State University.

During the two week program, the fellow also visited to the following locations:

- NC State University’s aqua- culture unit and fish bran to observe the research on bass and tilapia,
- Tyson’s soybean farm to understand U.S. soybean growing,
- NC State University’s feed mill education unit,
- Missouri University feed mill education unit,

- MFA feed mill,
- POET Laddonia feed mill,
- Soybean processing plant at Perdue Agribusiness,
- American Soy Association and also met with representatives from World Initiative for Soy in Human Health(WISHH) and US Soybean Export Council (USSEC),
- Missouri Department of Agriculture and studied the grain inspection services, grain regulatory services, commodity services, international marketing program, feed control officials units, and
- Cargill and their terminal on the Mississippi.

Outcomes and Follow up Achievements

Myanmar feed millers were interested about the nutrition value for the raw feed, the best combination of ingredient to get appropriate protein and enzyme for poultry and swine, the best purchasing time and purchasing technique to buy the US raw feeds, of the production areas and post harvest storage technology. They reported that the following achievements:

- Improved Animal Nutrition for today’s economic climate
- Understanding for the Research on Poultry and swine nutrition
- Advanced nutrition and new technology like Eye Grow (3D monitoring pen)
- New experience in farming system of Soybean meal
- Cultivating system of grains and oilseeds
- Terminal facilities for big volume and vessel for RMs
- Feed mill facilities and value added materials by plenty ingredients
- Department of Agriculture how motivates to farmers, check off points
- Regulatory services by organization
- Good relationship with other nutritionist colleagues

After returning home, the fellows have to prepare a trip report and submitted it to the heads of their departments and prepared presentations to share the knowledge with other officials within their departments.



Photo: Missouri Department of Agriculture



Photo: Tour of NC State, University’s feed mill, Education Unit



Photo: Visit to JFK airport Inspection



Photo: Tyson's soybean farm



Tour of NC State University's Aqua-culture Unit & Fish Barn



Tour of NC State University Aqua-Culture Unit and Fish Barn



US Poultry industry



Grain Inspection Test kit



Perdue's Agribusiness



Perdue's Agribusiness

Participant Feedback

Among, five participants, three were first time visitors to the United States. The feedback on the program was tremendously positive. They brought some sample of products to follow up purchasing processes. They learned about the different color and texture of soymeal, DDGS and their different specifications. The participants are decision makers for their company for buying products and they were interested to buy good quality of soybean meal and DDGS in near future.

Agenda

Date	Morning	Afternoon
July 20	Arrive to RDU; settle into hotel	Arrive to RDU; settle into hotel
July 21	Cultural Activities	Cultural Activities
July 22	Orientation Session Overview of the US Poultry Industry Lunch with Graduate Students	Session with the North Carolina Poultry Federation Session with the NC Pork Council Tour of NC State University's Aquaculture Unit and Fish Barn; discussion on their aquaculture systems, feeding, and extension

July 23	Session with BRI International on feed additives (sorghum)	Session on Feed Formulation for Improved Nutrition, with a focus on swine feed; discussion on research Session on Feed Formulation for Improved Nutrition, with a focus on poultry feed Debrief; work on individual action plans
July 24	Session with the NC Department of Agriculture & Consumer Services' Grains Marketing Team on pricing and hedging, as well as decision making tools for booking/buying	Visit Jeff Tyson's soybean farm Daily debrief
July 25	Session at the NC State Feed Mill	Session on nutrition and digestive physiology, including protein and amino acid nutrition of swine and other monogastric animals and nutrition during pregnancy and lactation Drive 3.5 hours to Chesapeake, VA area; check into hotel
July 26	9:00 – 12:00 PM: Tour of Purdue's Terminal at the Chesapeake Port 12:30 – 1:30 PM: Lunch	2:00 – 4:00 PM: Discussion on the business side of the terminal; conversation on regulatory issues Reflective group discussion; work on individual action plans
July 27	Cultural Activities near the Norfolk area	Drive back to Raleigh
July 28	Fly from RDU to STL	Drive to Jefferson City, MO Check into hotel
July 29	Session with the Missouri Department of Agriculture	Drive 35 minutes to University of Missouri; Session on Grain programs Spend the night in Columbia
July 30	Drive to Mexico; approx. 45 min drive Feed Mill Tour at MFA Feed Mill in Mexico, MO; visit MFA Agri Services Visit ADM Processing in Mexico	Tour of POET, LLC to see their DDG operations Drive 2 hours to St. Louis, MO; check into hotel
July 31	Session with the American Soybean Association	Session with the U.S. Soybean Export Council (USSEC) Session with the National Corn Growers Association Daily debrief
Aug 1	Tour of Cargill and their terminal on the Mississippi; tour of facilities with large grain elevators that load cranes and barges; discussion on shipping issues and logistic fundamentals	Complete program evaluations and complete individual action plans; final discussion

Aug 2	Depart STL	Depart STL
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List of Participants:

1. Dr. Kyaw Htin)
Vice Chairman
Myanmar Livestock Federation
Mandalay
2. Ms. Nan Hseng Mo Phaung
Formulator
Sunjin Feed Mill
Yangon
3. Dr. Aung Moe (Mr.)
Director
Shwe Sabie Feed Mill
Yangon
4. Dr. Kyaw Swar Wint
Managing Director
Popa Livestock Feed Mill
Hmawbi, Yangon
5. Mr. Thiha Yin Myint
Director
Yin Myint Livestock Company Limited Contact /Kaung Htet Feed Mill
Yangon