

Description of the NPPO

There are two major agencies under Ministry of Agriculture and Cooperatives responsible for NPPO's tasks;

- Department of Agriculture (DOA)
- National Bureau of Agricultural Commodity and Food Standards (ACFS)

Department of Agriculture (DOA)

Department of Agriculture (DOA) is empowered to conduct research and development studies on various agricultural disciplines concerning crops and farm mechanizations; provide services on the analysis, inspection, quality inspection and certification to facilitate both domestic and international trade; enforce the six Regulatory Acts under its jurisdiction; provide consultation services related to production inputs such as soil, water, fertilizer and pesticides.

There are 3 core offices in the DOA responsible for NPPO's tasks.

- Office of Agricultural Regulatory (OAR)
- Plant Protection Research and Development Office (PPRDO)
- Plant Standard and Certification Division (PSCD)

- [Office of Agricultural Regulatory \(OAR\)](#) enforces the Plant Quarantine Act B.E. 2507 (1964) amended by the Plant Quarantine Act (No. 2) B.E. 2542 (1999) and the Plant Quarantine Act (No. 3) B.E. 2551 (2008) to regulate the importation, exportation, consignment in transit and movement of plants, plant products and other articles. There are 3 groups under OAR; 1) Export Plant Quarantine Service, 2) Agricultural Regulation Technical Group, 3) 48 Plant quarantine stations are in charge of;

- Issuance of import permit
- Inspection and clearance of consignments
- Inspection and issuance of phytosanitary certification
- Notification of non-compliance
- Implementation of ISPM 15

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- [Plant Protection Research and Development Office \(PPRDO\)](#)

There are 5 groups under PPRDO; 1) Entomology and Zoology Research Group, 2) Plant Pathology Research Group, 3) Weed Science Research Group, 4) Plant Quarantine Research Group, 5) Plant Pest Management Research Group are in charge of;

- Research and development on plant protection and plant quarantine.

- Supervise on efficacy trials for pesticide registration.

- Technical service on phytosanitary certification, plant pest diagnosis, biological control agents, test-kits for plant disease diagnosis and disease-free plant stock production.

- Curator of insect museum, weed and plant disease herbaria including center of agricultural microorganism culture collection.

- Conduct surveillance on plant pests and pest risk analysis.

- Information and technology transfer to farmers, relevant government agencies and private sectors.

1) Entomology and Zoology Research Group

- Research on both insects and animals which are either harmful or beneficial to plants and humans.
- Research on taxonomy of insects leading to the establishment of successful control measures as well as support the plant quarantine section for effective trade.
- Research on mites and spiders leading to successful control measures.
- Study and investigate on appropriate application techniques.
- Prepare the pest lists to support the exportation of agricultural products.
- Research and technology transfer to both academic institutions and farmers.

2) Plant Pathology Research Group

- Research and study on taxonomy and culture collection.
- Conduct research and development on plant pathology techniques.
- Development of plant disease management technology.
- Development of Beneficial Organism Utilization.
- Technology transfer to farmers.

3) Weed Science Research Group

- Basic and applied science research for effective weed control and management measures.
- Technical service for weed and weed seed identification, herbicide efficacy test before registration as well as weed control and management technology transfer.
- Collaborate with other groups in PPRDO on pest management as well as with other institutes.

4) Plant Quarantine Research Group

- Inspection certain export/import consignments, pest diagnosis, monitoring, develop detection technique as well as conduct surveillance on plant pests.
- Develop post-harvest disinfestations treatment, supervise treatment under bilateral agreement.
- Compile information for market access as well as conduct pest risk analysis (PRA).

5) Plant Pest Management Research Group

- Research on various plant pests including insect, zoological pest, plant disease and weed.
- Research aims to identify the most effective and suitable control measures that lead into the concept of pest management.
- Investigations into the efficacy of pesticides and appropriate application to support their registration under the Toxic Substance Act.
- Study on biology, ecology and crop loss assessment of economic pests.
- Toxicological study on pesticide and monitoring pesticide resistance level of economic pests for pesticide management.
- Integration pest management on economic crops.

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- [Plant Standard and Certification Division \(PSCD\)](#)

PSCD has been established since 2015 in charge of;

- Coordinate with other involved agencies for SPS issues.
- Focal point for receiving notification of non-compliance from importing countries.

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National Bureau of Agricultural Commodity and Food Standards (ACFS)

ACFS has been established since 2002 to be national standard setting for agricultural commodities and national information center for agricultural and food standards and also acts as the focal point for WTO-SPS/TBT, Codex and the International Plant Protection Convention (IPPC).

ACFS is in charge of;

- IPPC contact point
- APPPC contact point
- Cooperate among involved agencies in the country for promoting IPPC/APPPC issues

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