

*** SAPRAS ***
**The Project for Strengthening of Agricultural
Pesticide Residue Analysis System, MoA/JICA**

Project Purpose

The pesticide residue analytical capacity of Quality Monitoring and Pesticide Testing Laboratory (QMPTL) is strengthened

Five (5) Outputs

- ① Priority pesticide/agricultural products including coffee for analysis are selected.
- ② Validation of residue analytical method of target agricultural commodities with pesticide combination is established.
- ③ Laboratory operation to accumulate reliable analytical data is established.
- ④ Residue analysis knowledge/technique/method obtained becomes applicable to agricultural commodities and other samples.
- ⑤ Monitoring trial activity concerning coffee is conducted in pilot area using check sheet and supplemental chemical analysis.

Five (5) Activities

A. Laboratory:

- ① Accumulating baseline data to implement pesticide residue analysis and selecting priority pesticide/agricultural products including coffee for analysis.
- ② Establishing validation of residue analytical method of target agricultural commodities with pesticide combination.
- ③ Establishment of Laboratory operation to accumulate reliable data.
- ④ Residue analysis knowledge/technique/method obtained becomes applicable to agricultural commodities and other samples.

B. Field:

- ⑤ Monitoring trial activity concerning coffee is conducted in pilot area using check sheet and supplement chemical analysis.



Extraction



Data Discussion

Overall Goals

The number of analyzable target agricultural products and pesticides of the QMPTL is increased.

1. Sample Preparation (coffee bean)



2. Extraction and Clean up



3. Analysis by GC (MSD, ECD, NPD)



4. Data Analysis and Discussion



**Laboratory
Activity**