



Surveillance activities in Vietnam: achievements, challenges and future plan.

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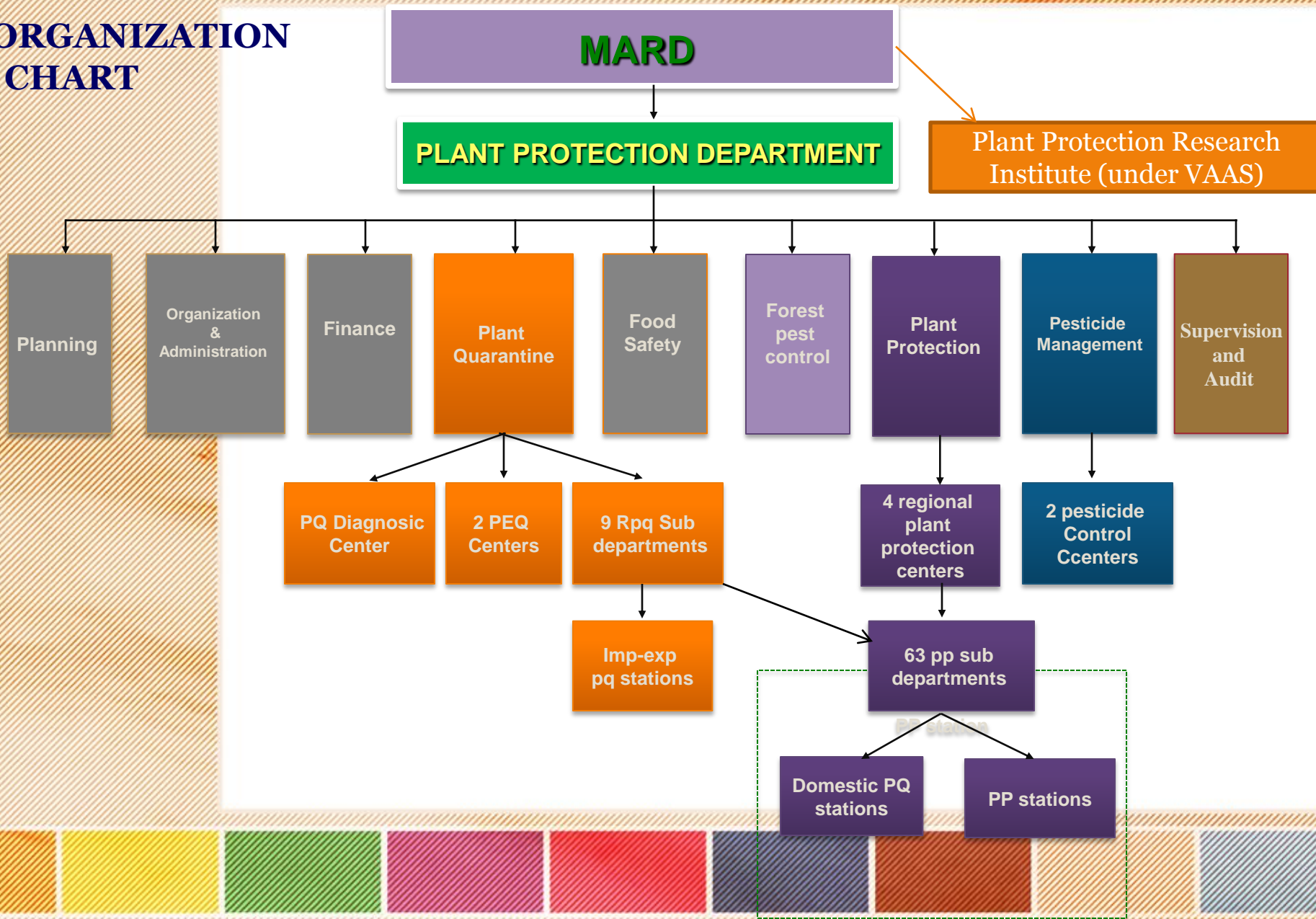




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1. ORGANIZATION CHART





2. REGULATIONS

- **Law on Plant Protection and Quarantine**
- **Decree No 02/2007/NĐ-CP on Plant quarantine**
- **Circular 88/2007/TT-BNN on domestic quarantine**
- **National technical regulation on surveillance method of plant pests**
- **Internal guidelines**



3. ACHIEVEMENT IN SURVEILLANCE

3.1 General

- **1961:** PPD conducted a surveillance on 30 kind of plants at 30 provinces. Identified 226 insect species
- **1967-1969:** The first official surveillance at Northern provinces on 26 crops. Identified 2.962 insect species and 692 diseases



3. ACHIEVEMENT IN SURVEILLANCE

- **1977-1980: Additional survey in Southern provinces on 39 crops. Collected and identified 1.113 insect species and 230 diseases**

Additional survey on 16 fruit tree species in Southern. Identified 428 insect species; 166 diseases



3. ACHIEVEMENT IN SURVEILLANCE

- **2006-2010:** Conducted a surveillance on major crops and post-harvest products in Vietnam.

Collect and add 25 more insect species into the list of storage insects in Vietnam

Suggested Vietnamese names for 37 storage insect species



3. ACHIEVEMENT IN SURVEILLANCE

3.2. Weed

- **1969-1997:** Plant Protection Research Institute carried out 03 weed surveillance at Red river Delta and recorded the present of 60 weed species
- **1995-1997:** Cuulong Delta Rice Research Institute conducted another survey on rice farms.

Result: recorded the present of over 400 weed species.



3. ACHIEVEMENT IN SURVEILLANCE

- **2006-2010: survey on 19 crop species in Vietnam. Detected 661 weed species (98 families, 52 plant orders)**

First time providing a list of weed on cabbage (130 species); cauliflower (117 species); pomelo (317 species); mango (267 species); dragon fruit (123 species); longan (226 species)...



3. ACHIEVEMENT IN SURVEILLANCE

3.3. Storage pests

1966-1969: inspected 113 plant products in warehouses at Northern. Detected 78 insect and mite species.

1975-1990: Detect 11 species belongs to 5 families of order Lepidoptera in storage products (Bui Cong Hien et al.)

1999: carried out surveillance and detected 60 species of insects (30 families, 7 orders) at 9 provinces in the North – Hoang et al.,



3. ACHIEVEMENT IN SURVEILLANCE

3.4. Results of surveillance on some storage products

Items	Identified species	Insects	Diseases	Others
Rice	78	44	29	5
Maize	57	49	7	1
Soybean	35	26	9	0
Peper	6	5	1	0
Cashew nut	25	20	5	0
Coffe	30	23	7	0
Ground nut	31	26	4	1
Cassava	54	49	5	0



3. ACHIEVEMENT IN SURVEILLANCE

3.5. Surveillance on fruit crops

- ✓ Lychee
- ✓ Longan
- ✓ Mango
- ✓ Dragon fruit
- ✓ Pomelo
- ✓ Orange
- ✓ Lime



3. ACHIEVEMENT IN SURVEILLANCE

3.5. Other achievement

Established a National Specimen Museum located at PPRI with:

- **Total: 68.891 specimens**
- **67.178 specimens of 8.000 insect species (25 orders, 200 families) –**
- **500 natural enemies (parasitic);**
- **1.243 disease specimens**
- **Over 100 weed specimens**



3. ACHIEVEMENT IN SURVEILLANCE

Ongoing activities

Basic Survey of Pests on forest trees is being carried out (since 2012, expectedly to finish in 2015) to develop a list of pests on forest trees

Cooperation program between Vietnam and China on fruit flies monitoring in border areas;



4. CHALLENGES

- **Human resource:** more training especially people who work out the plans and organizing surveillance
- **Infrastructure:** diagnostic facilities
- **Networking:** have no mechanism to for information notification and management
- **National strategy:** have been developing
- **Financial issue:**



5. FUTURE PLAN

- **Training**
- **Strategies: focus on potential exporting plant and plant products.**
- **Setting up priorities**
- **Looking for funding**
- **Develop a protocol to enhance the cooperation between related stakeholders**
- **Strengthening the participation of private sectors**

THANK YOU FOR YOUR ATTENTION

