

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

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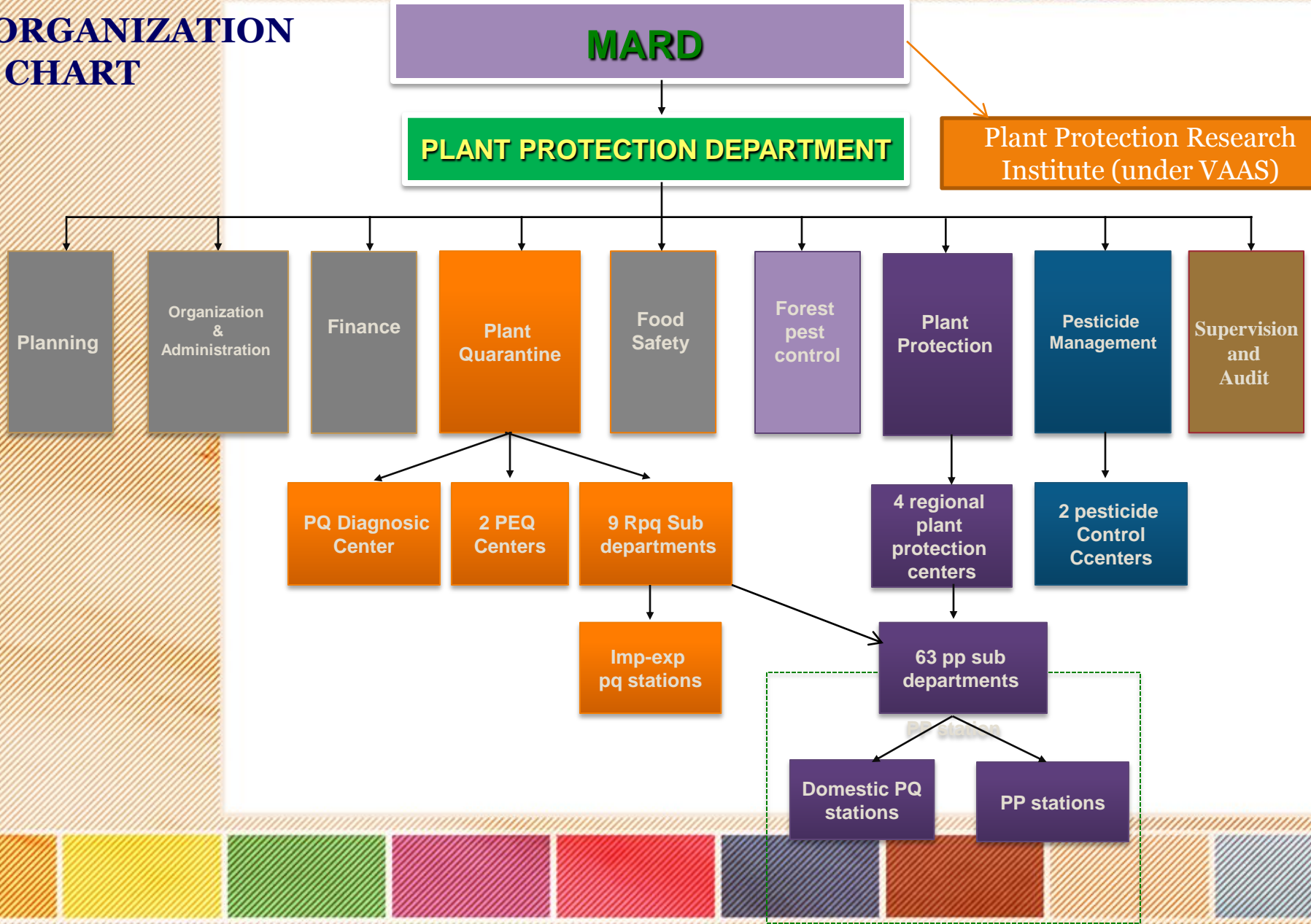




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1. ORGANIZATION CHART





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

