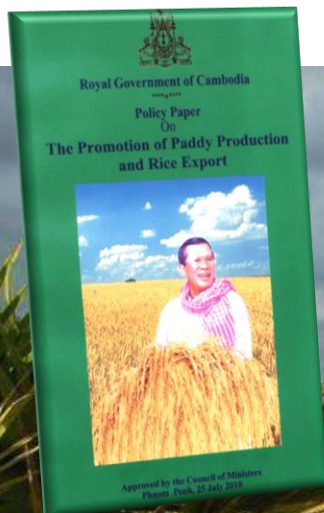




CAMBODIA PLANT PEST SURVEILLANCE



THE STATUS OF EARLY 2014

Project GCP/RAS/286/ROK “Support to Capacity Development in Implementation of Plant Pest Surveillance and Information Management in South-East Asian Countries”

**Regional Expertise Training Workshop on Pest Surveillance
on 22 - 24 April 2014
at Imperial Mae Ping Hotel in Chiang Mai, Thailand.**

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In this Presentation:

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1. **Cambodia Agriculture Production (in brief)**
 2. **Cambodia Agricultural Product Export**
 3. **Cambodia Plant Pest Surveillance : More Important Roles**
 4. **Cambodia Plant Pest Surveillance**
 5. **Conclusion**



1. Cambodia Agriculture Production (in brief)



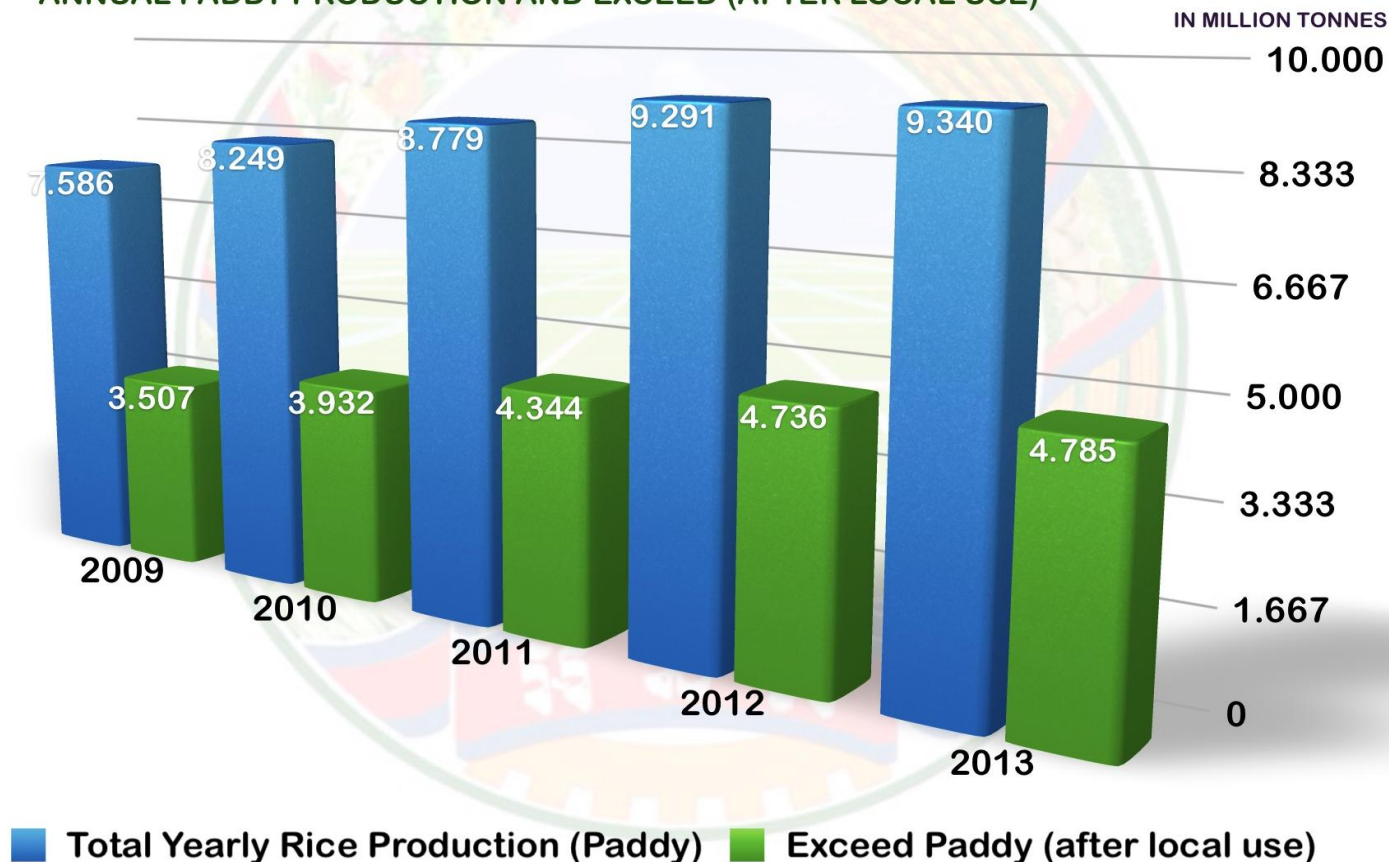
Rice

(The First Priority Crop)



Source: MAFF
Statistics

ANNUAL PADDY PRODUCTION AND EXCEED (AFTER LOCAL USE)



ICVhan





2. Cambodia Agricultural Product Export

We export 0.38 millions tons of milled rice in 2013 (plan 1 mil.T in 2015)

M/ Year	2009	2010	2011	2012	2013
1. January	360	10,012	6,798	9,703	25,726
2. February	792	13,644	5,089	14,417	24,089
3. March	1,248	5,062	12,534	12,310	45,413
4. April	664	17,287	17,946	15,036	23,276
5. May	399	5,499	20,520	13,115	28,350
6. June	316	4,274	17,990	13,426	29,105
7. July	226	15,030	12,703	20,527	31,411
8. August	673	5,997	20,404	15,530	29,358
9. September	956	4,744	14,384	15,169	29,395
10. October	2,964	6,078	19,067	16,967	28,031
11. November	1,690	7,988	9,559	25,189	37,855
12. December	2,325	9,645	44,905	34,328	46,847
Total for 12months/year	12,613	105,259	201,899	205,717	378,856

SOWS-REF/WG9
Record

+ 2904%

+ 260%

+ 87.6%

+ 84.2%



ICVhan





2. Cambodia Agricultural Product Export

We export 3.6 millions tons of Agricultural Product in 2013

Exportation:

1. Milled Rice: 0.38
2. Tapioca Sliced : 1.3
3. Tapioca Fresh : 0.8
4. Natural Rubber: 0.3
5. Sugar cane: 0.3
6. Refined Sugar: 0.2
7. Yellow corn: 0.2
8. Tobacco Leaf: 0.08
9. Cashew nut: 0.08
10. Soy bean: 0.06

ល.រ	ប្រភេទកសិផល (KHMER NAME)	ឈ្មោះអង់គ្លេស (ENGLISH NAME)	ឈ្មោះវិទ្យាសាស្ត្រ (SCIENTIFIC NAME)	ម៉ែត្រទិន (តោន)
1	អង្ករ	Rice	<i>Oryza sativa</i>	378,856
2	ជំនូងមីក្រៀម	Tapioca Sliced	<i>Manihot esculenta</i> Crantz	1,269,653
3	ជំនូងមីស្រស់	Tapioca Fresh	<i>Manihot esculenta</i> Crantz	750,450
4	ជំនូងមីម្សៅ	Tapioca Starch	<i>Manihot esculenta</i> Crantz	1,920
5	ជំនូងមីកាកសំណល់	Tapioca Residue	<i>Manihot esculenta</i> Crantz	300
6	ជំនូងផ្លាម្សៅ	Sweet Potato starch	<i>Ipomoea batatas</i>	96
7	កៅស៊ូក្រប	Natural Rubber	<i>Hevea brasiliensis</i>	297,840
8	ដើមអំពៅ	Sugarcane	<i>Saccharum officinarum</i>	236,122
9	ស្ករស	White refined sugar	<i>Saccharum officinarum</i>	204,892
10	ស្ករត្នោត	Palm sugar	<i>Borassus flabellifer</i>	3
11	កោតក្រហម	Yellow corn	<i>Zea mays</i>	184,746
12	សន្លឹកផ្លាត	Tobacco leaf	<i>Nicotiana tabacum</i>	83,468
13	គ្រាប់ស្វាយចន្ទី	Cashew nut	<i>Anacardium occidentale</i> L.	81,209
14	សណ្តែកស្លែង	Soybean	<i>Glycine max</i>	63,362
15	សណ្តែកបាយ	Mung bean	<i>Vigna radiata</i>	1,000
16	សណ្តែកដី	Ground nut	<i>Arachis hypogaea</i>	2,866
17	ប្រេងដូងឆៅ	Crude Palm Oil	<i>Elaeis guineensis</i>	19,827
18	ចំណីសត្វ	Animal feed	Not Applicable	8,750
19	កំទេចបន្លែបន្លែ	Mix vegetable	Not Applicable	3,079
20	អាចម៍ណា	Sawdust	Not Applicable	4,400
21	ឈើកែច្នៃ	Processed wood	Not Applicable	2,263
22	ឈើអារ	Sawn wood	Not Applicable	20,822
23	គ្រាប់ធញ្ញៈឈើស្វាយ	Mango sawn timber	<i>Mangifera indica</i>	17,000
24	ឈើក្នុងក្រដាស	Veneer	Not Applicable	1,028
25	ឈើស៊ីម៉ង់ត៍	Wood frame	Not Applicable	72
26	ឈើឆ្នាំង	Cambodian Padauk	<i>Pterocarpus macrocarpus</i>	15,361
27	ឈើឆ្នាំង	Cambodian Rosewood	<i>Dalbergia bariensis</i>	5,637
28	បន្លែ-ផ្លែឈើគ្រប់ប្រភេទ	Vegetables and Fruits	Not Applicable	1,687
29	ម្រេច	Black Pepper	<i>Piper nigrum</i> L.	679
30	ស្ពុ	Sesame	<i>Sesamum indicum</i>	644
31	ផ្លែស្វាយ	Mango Fruit	<i>Mangifera indica</i>	600
32	គ្រាប់ឆ្នាំង	Lotus seeds	<i>Nelumbinia nucifera</i>	500
33	កប្បាស	Raw cotton	<i>Gossypium hirsutum</i>	215
34	គ្រាប់ឆ្នាំង	Castor bean	<i>Jatropha curcas</i>	45
35	ផ្កាប័ណ្ណ	Dried Frangipani	<i>Plumeria acuminata</i>	40
36	ទឹកឆ្នាំង	Noni Juice	<i>Morinda citrifolia</i> L.	34
37	កោតបារាំង	Okra	<i>Abelmoschus esculentus</i>	20
38	ផ្លែស្លា	Betel nut	<i>Areca catechu</i> L.	17
39	គ្រាប់ប្រាំង	Basil seed	<i>Ocimum basilicum</i>	9
40	មីម្សៅ និង ឆ្នាំង	Turmeric & Ginger	<i>Turmeric Aromatico</i> and <i>Ginger kaempferia</i>	8
41	ម្រេច	Dry chili	<i>Capsicum frutescens</i>	2
42	គល់ស្លឹកត្រៃ	Lemongrass	<i>Cymbopogon citratus</i>	2
43	ផ្លែឆ្នាំង	Durian	<i>Durio zibethinus</i> Murray	2
44	ផ្លែឆ្នាំង	Dried mushroom	<i>Phellinus linteus</i>	1
សរុប				3,659,527





3. Cambodia Plant Pest Surveillance : More Important Roles

The Important Role in Regionalization & Globalization

Free Trade Area (FTA):

- **ATIGA** (Asean Trade in Goods Agreement): 2015/ Asean Economic Community;
- **AFP** (Asean Free Trade Area Partnerships):
      
- **Free from Tax in trade**, but the SPS measure will become the technical barrier that will be more pressure to trade of the developing countries as Cambodia;
- **Cambodia is the Agriculture base Economic Country:** So the trade of Agricultural Product firstly are facing with phytosanitary measures of the importing country with the sound of Scientific evidence (PRA by using the pest list resulted from pest surveillance to manage the risk caused by plant pest)





3. Cambodia Plant Pest Surveillance : More Important Roles

The Important Role in Regionalization & Globalization

Land Road Connection

- **Asean High way connection & GMS cross border trade facilitation:**
the new potential of plant pest spread through import, export and transit activities

Asian Highways Network



Trans-Asian Railway Network



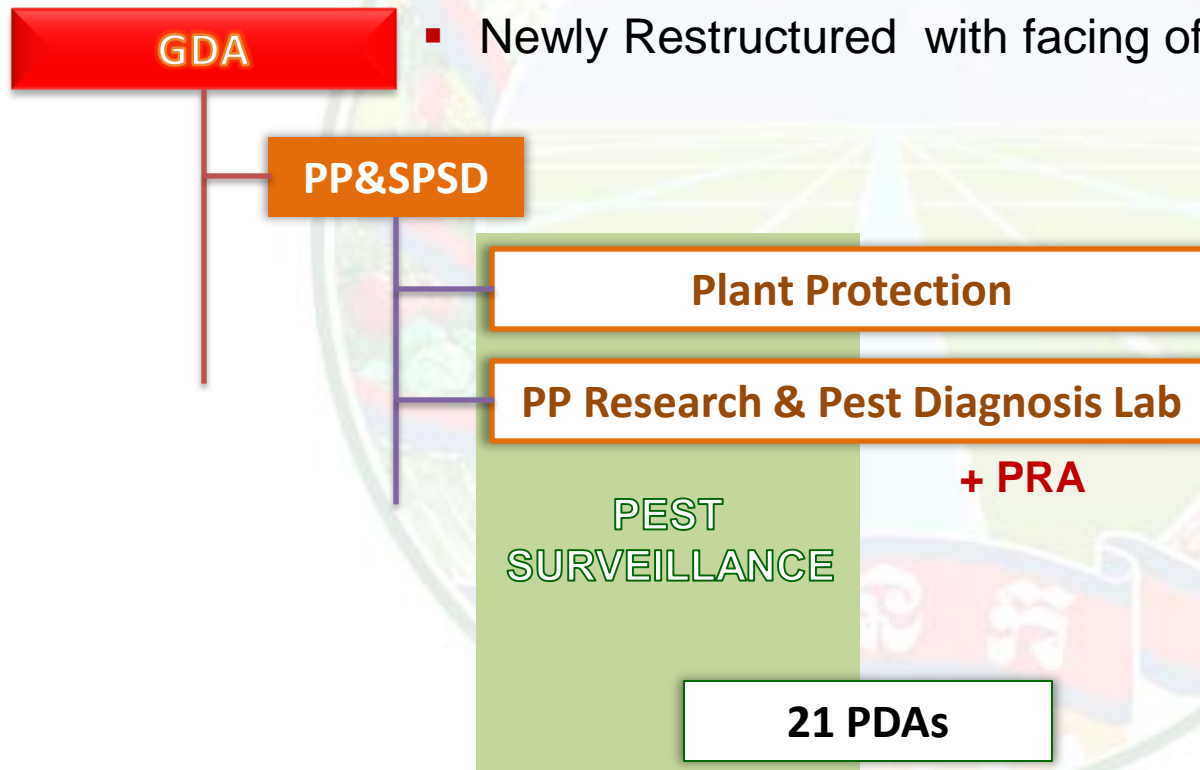


4. Cambodia Plant Pest Surveillance

Capacity Status

Staffing:

- involving by staff of the Plant Pest Diagnosis Lab and Plant Protection Office / PPSPSD/GDA in collaboration with the PDA Supporting Staffs;
- Newly Restructured with facing of skilled staff shortage





4. Cambodia Plant Pest Surveillance

Capacity Status

Staff Capacity:

- The staff of PPSPSD/GDA are qualified basically in Bachelor degree of Agronomy ;
- Some of them have been trained (regional & in country) in pest surveillance, pest diagnosis and pest risk analysis based in general pest surveillance under supported by
 - **AusAID/AADCP:** Strengthening ASEAN Plant Health Capacity Project (37709)
 - **AusAID/** SPS Capacity Building Programmes
 - **NZAID II/** Phytosanitary Capacity Building in the Mekong Region
- After administration restructure in early 2014 (MAFF Decision on the Office of PP&PSD/GDA), so the 2 offices that involving in pest surveillance & PRA are remain only 15 Staffs
- Due to limit capacity in plant pest identification , there are no any one crop that we can finalized of completed the pest list





4. Cambodia Plant Pest Surveillance

Capacity Status

Supporting Infrastructure:

- **Finance:** Small fund to support for pest surveillance of main priority crop/ consignment for export/ import
- **Lab Equipment:** There are some basic and limited equipment supported by NZAID II that not support to identify the whole plant pest,
- **Pest Recording:** to record data into the old version of NPD in Excel format, but this record are no more ability since the use of New NPD.





4. Cambodia Plant Pest Surveillance

Activities

in Mango

- **For Korean market Access:** start this surveillance since 2009-2010 and still in the process to negotiate for export mango to Korea.



in Rice & Cassava

- **For Chinese market Access:** start in since 2007-2009 and signed the protocol in export milled rice in October 2010 and tapioca chip in December to China.

in Corn

- **For Chinese market Access:** start in since 2009- 2010 and still in the process to negotiate for export corn to China.





4. Cambodia Plant Pest Surveillance

Activities

in Other Export potential Crop

- The activities of pest surveillance in other export potential crop (vegetable, cashew nut, cereal bean) are on-going, but slowly due to our main capacity only in limited of arthropod pest.
- Many of specimen still can not identify





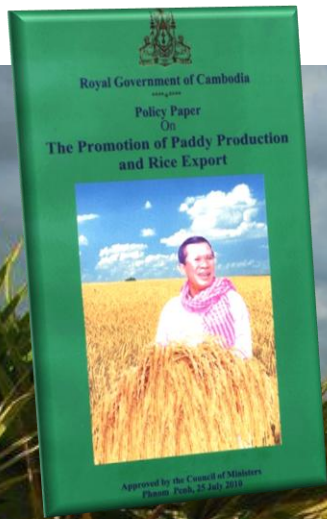
5. Conclusion

The Sustainable way to build capacity of NPPO in pest surveillance are:

- **Full Support:** Awareness raising amount stakeholder from policy maker to the grass root level on the role of pest surveillance and market access in FTA and the protection of country economic, especially the country with base in agriculture economic;
- **Clear Strategic Planning:** Staff allocation, clear activities plan
- **Capacity Building:** Staff Training (Specialized) with full supporting infrastructure for pest surveillance, pest identification, pest recording, specimen keeping, pest list formulation , Pest Risk Analysis (PRA) and market access (Phytosanitary Negotiation).

Pest of each crop are consisted by Insect, Plant diseases and weed, so the shortage in capacity of NPPO in identification of any Type of plant pest resulted in not completed pest surveillance.





Thank You for Your Attention

