



Development Action Planning (DAP)

“Vegetable – From seed to table and Beyond” in Module 3

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Three topics the most useful

- ❖ Project Monitoring and Evaluation
- ❖ Data collection, sampling methods for social surveys
- ❖ Systems thinking and integrated agriculture in development projects





Collection and varietal development of Thai landrace chilli

Germplasm is considered as valuable resource and preserve for sustainable agriculture, creating jobs in the community.

Preservation of genetic diversity of crops is very necessary for developing the high potential variety.





Collection and varietal development of Thai landrace chilli

Objective

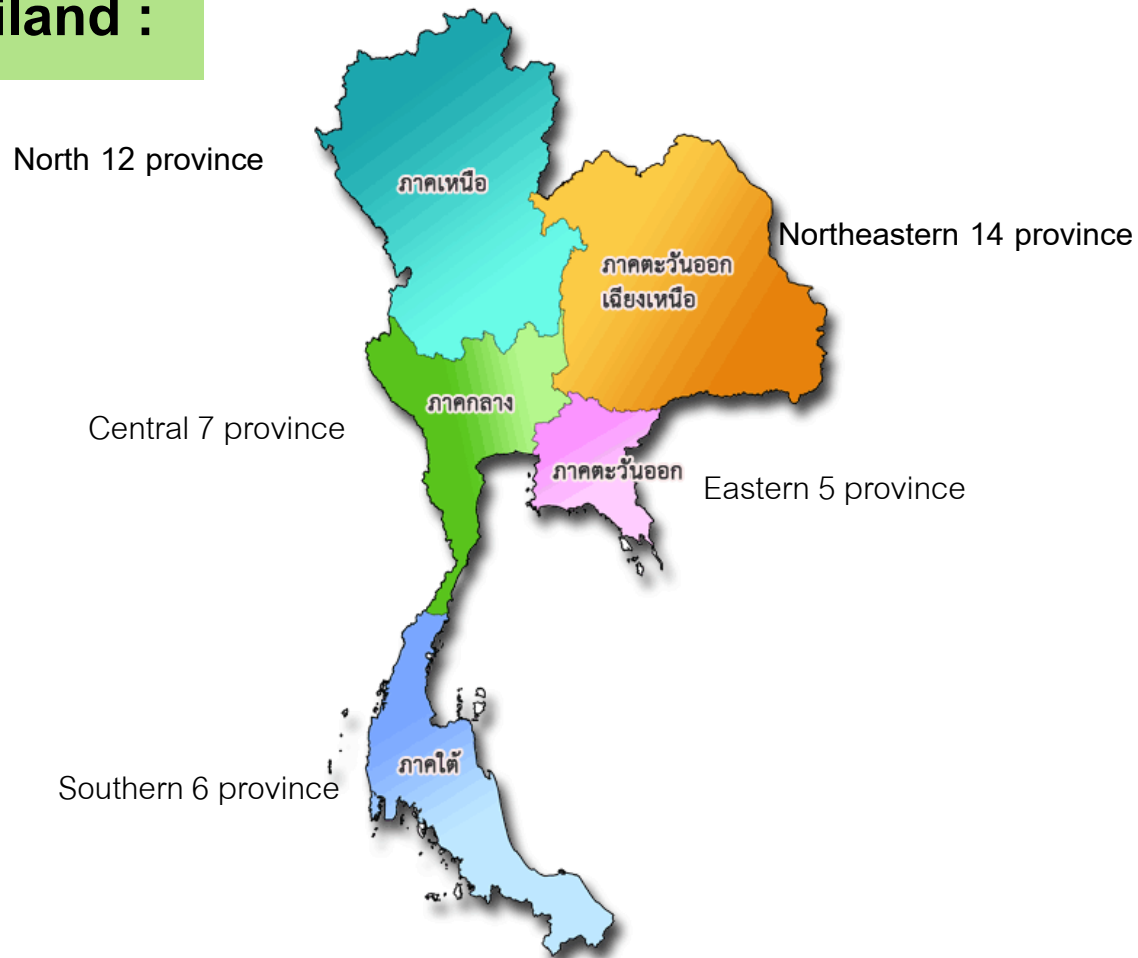
1. To reduce the loss of chilli varieties through collection and characteristic
2. To screen the high potential varieties of Thai landrace chilli for releasing in local location.
3. To conserve chilli varieties for using in variety crisis.





Collecting of Thai landrace chilli

Source in Thailand :





Characterization

variety: Karang Nong Yha Phong



Collector : Buppharhus Rodpai

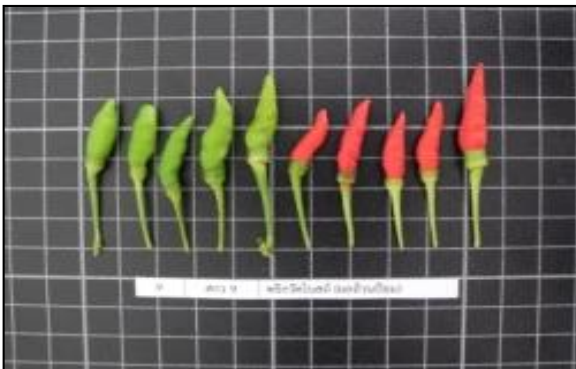
Source: Phetchaburi

Characteristic

type *frutescens*

fruit weight	0.7	(g)
fruit width	0.51	(cm.)
fruit length	3.59	(cm.)
fruit thickness	0.38	(mm.)
fruit color	Immature	
	ripe	
height	110	(cm.)
Width	80	(cm.)

Remarkable : dry pepper 400-500 Bath





Maintain Germplasm



Nilon net frequency
32 mesh

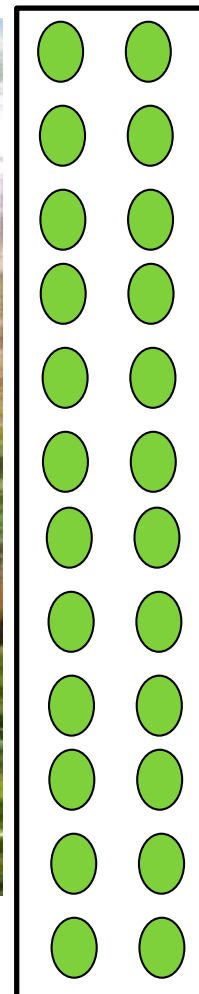
Nilon net 3x3x2 m.

24 plants/1nilon net





Evaluation and selection



24 plants/plot
Spacing 0.5x0.5 m.

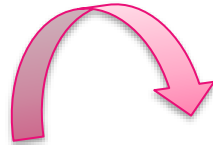




Process



Select plant high potential



Processing seeds



Seeds dry



Aluminium foil



Medium term storage Temp. 5 C, 45% RH



Implementation process

No.	Activity plan	Responsible person	2017				2018				2019				Result/outcome
			1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	
1	Data collection of Thai landrace chilli	researcher	↔												Data area grow Thai landrace chilli
2	Survey collect and characterization of Thai landrace chilli		↔												Germplasm of Thai landrace chilli
3	Maintain Germplasm and characterization														Thai landrace chilli seeds
	- sowing				↔										
	- transplanting				↔										
	- harvest and Processind seeds						↔								
4	Evaluation, selection, and characterization														Thai landrace chilli seeds for stock seed and releasing in local location
	- sowing							↔							
	- transplanting								↔						
	- harvest and Processind seeds										↔				





Challenge

- ❖ Un-update information of variety source
- ❖ Controlling pest damage
- ❖ Uncertain of crop growing season



Thank You

