Ministry of Agriculture and Cooperatives



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Three topics in module 3 most useful

- Participatory approach and tools for livelihoods context analysis.
- Scaling up extension project.
- Experimental design analysis of variance.

Development / Research Action Planning



Problem :

- Damage caused by flea beetles in Chinese kale
- High pesticide residue in Chinese kale, increase cost of production

Chinese kale

flea beetle (*Phyllotreta flexuosa*)

Insecticides

Higher rales

Residue



Title : Biological control of flea beetle (*Phyllotreta flexuosa*) through application of insect- Parasitic nematodes in Chinese kale production in Central Region of Thailand



Objective

 To reduce pesticide use by promoting Insect-Parasitic Nematodes in Chinese kale.

To increase farm income through reducing cost of production of Chinese kale.

Impact pathway biological control program

Problem : Damage caused by flea beetles in Chinese kale



- Target group and beneficiaries?





Target group :The framer group in the Central Region

Beneficiaries : healthier for Consumer

Objective	Inputs/ Activities	Outputs	Outcomes/ Impacts
 ◆ To reduce pesticide use by promoting Insect-Parasitic Nematodes in Chinese kale production 	Conducting a Training program for kale farmers	 Minimum of 100 farmers trained on use of adopt Insect- Parasitic Nematodes. Training materials and extension materials developed. 	 -Change in knowledge and attitude of Chinese kale farmers pesticide use and adopt Insect-Parasitic Nematodes to control flea beetles - Reduced pesticide use - Reduced cost of production - Increased income of farmers
◆To increase farm income though by reducing cost of production of Chinese kale.	 Farmer Field Schools for biological control of flea beetle organized 	 About 40 farmers involved in filed school 	
	Free distribution of stock nematodes to selected farmers by DOA	- 100 packs of stock nematodes distributed to farmers	

- Collaborators and partners? DOAE

when will you start ? :January 2016
when will you complete?
:August 2016

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ต้อง ทำ

การฝึกอบรบเกษตรกร การเพิ่มประสิทธิภาพการฝลิดข้าว ดามแข้อปฏิบัติ "3 ลด 1 เพิ่ม 2 ปฏิบัติ" โครบการพัฒนาข้าวสูพรรณปลอดสารเกมี สู่ตลาดประชากมอาเซียม (AEC) วันที่ 5 - 6 มิถุนายน 2557

อำเภอนของหญ้าไป อึงหวัดสุพรสมบ



THANKYOU FOR YOUR ATTENTION

