



## Farm Plot Investigation

Case of Carbendazim ,Triazophos and Pyridaben in Sweet Basil found

Mr. Paithoon Inpapien

Our authorized officer was there in the farm as to do any feasibility risk test of Carbendazim, Triazophos, and Pyidabed Pesticides

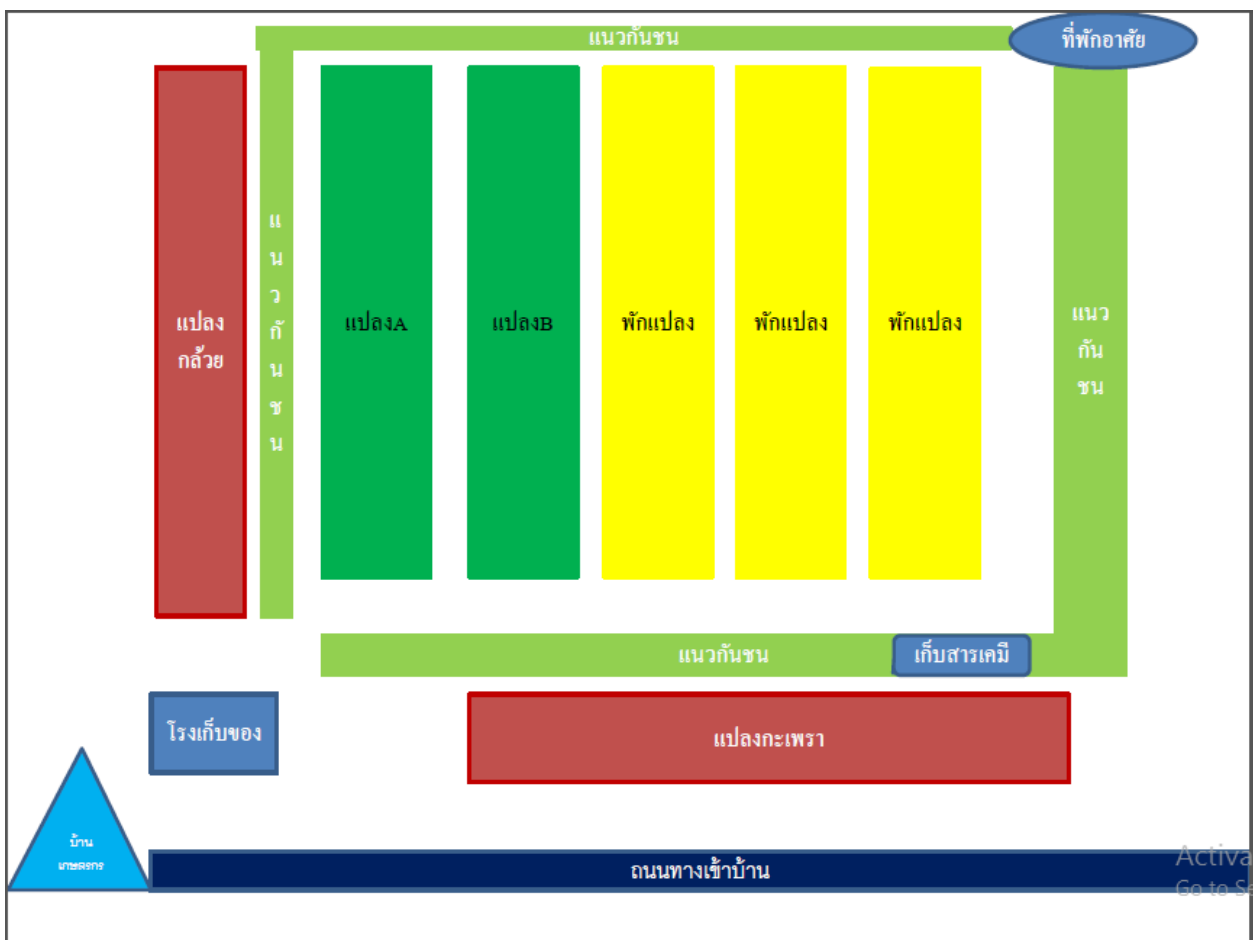
April 16<sup>th</sup>, 2020

The process of farm plot risk assessment are described as follows ;

- 1.1 Conducting a risk assessment of the area and all around
- 1.2 Conducting a risk assessment of the crop record
- 1.3 Conducting a risk assessment of pesticides usage in a farm plot
- 1.4 Conducting a risk assessment of others feasibility factors

## 1.1 Conducting a risk assessment of the area

- \*แปลงกล้วย banana plot
- \*แนวกันชน buffer zone
- \*แปลง A Plot A
- \*แปลง B Plot B
- \*พื้แปลง empty plot
- \*ที่พักอาศัย housing
- \*เก็บสารเคมี chemical storage area
- \*โรงเก็บของ storage
- \*แปลงกะเพรา holy basil plot
- \*บ้านเกษตรกร farmer house
- \*ถนนทางเข้าบ้าน Route to the farm



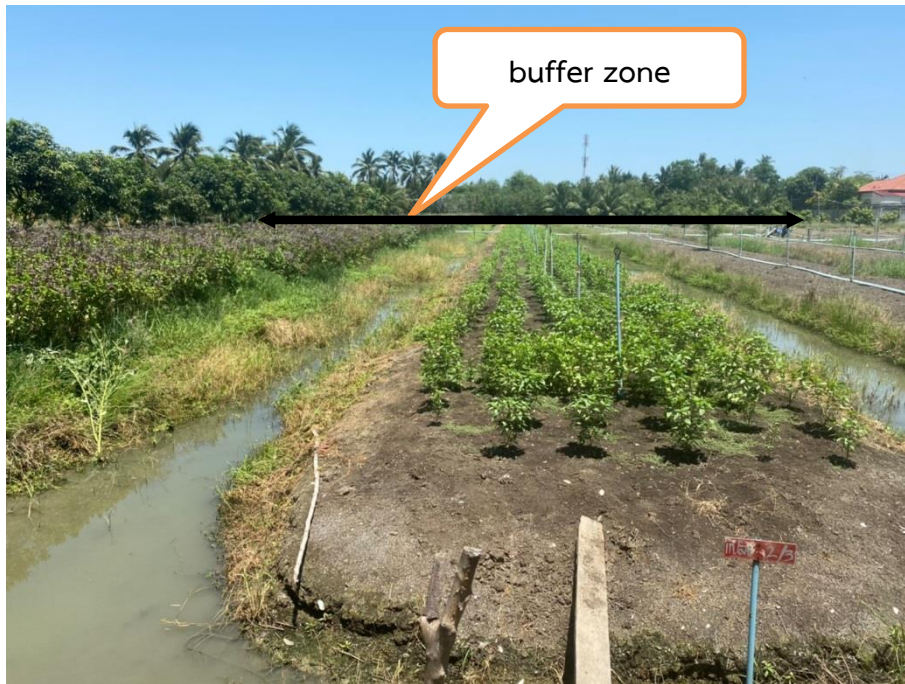


Photo 2 : The above photo was representing the holy basil plot which was connected to the buffer zone and not ever near others. This photo has taken on April 16<sup>th</sup>, 2020, so then there was no possibility to have pesticides found as claimed



Photo 3 : This photo has shown that the left plot has attached to the bumper line of longan, with the banana respectively. This photo has taken on April 16<sup>th</sup>, 2020 so then there was no possibility to have pesticides found as claimed



Photo 4 : This photo has shown that the sweet basil plot was connected to the buffer zone & just attached to Mr.Paithoon Inpapien, so then there was no possibility to have pesticides found as claimed



Photo 5 : On your right, you could see that the sweet basil plot has connected to the far longan buffer zone, and there was no other plot was ever nearby. This photo was taken on April 16<sup>th</sup>, 2020, so then there was no possibility to have pesticides found as claimed

With that being said, this could be meant there was no risk of said pesticides since Mr.Paithoon Inpapien’s farm and aside were purely safety farming as proven reliable sources

### 1.2 The risk assessment of crop

On April 16<sup>th</sup>, 2020 there has the sweet basil crop assessment reported as of photo 6<sup>th</sup> shown

According to the farmer’s record (photo 7<sup>th</sup>) has found that the farmer has used Dimethomorph or Forum, for fungicide application like 7 days Phytophthora residues and Copper hydroxide or funguran which is a contact fungicide and bactericide, which has a preventive effect against fungal and bacterial pathogens. The effect is based on the prevention of fungal and bacterial infections. This prevention was used on February 1<sup>st</sup>, 2020 as per recorded so then there was no possibility to have pesticides found as claimed

เอกสารบันทึกการใช้สารเคมี บริษัท โกรว์ พรอ **หัวหน้ากลุ่มบันทึก** 1 **ต้นฉบับ**

ลำดับ	ชื่อ		สารเคมีที่ใช้	อัตราการใช้	ระยะเวลาออกฤทธิ์ (วัน)	วันที่		ผู้บันทึก	หมายเหตุ
	เกษตรกร	พืช				ฉีด/ไร่	หมดฤทธิ์ปลอดภัย		
1	✓	น.พท - ไร่ทอง	อ.บ. 12.0 ลิตร + ฟอสฟอรัส	20 cc / 40 30 g / 20 L	7	11/11/62	19/11/62	✓	
2	✓	น.พท - ไร่ทอง	อ.บ. 12.0 ลิตร	20 cc	7	13/11/62	21/11/62	✓	
3	✓	น.พท - ไร่ทอง	ฟอสฟอรัส + ฟิงเกอร์	30 + 30 g	7	21/11/62	29/11/62	✓	
4	✓	ไร่ทอง	ฟอสฟอรัส + ฟิงเกอร์	30g + 30g	7	21/11/62	29/11/62	✓	
5	✓	ไร่ทอง	อ.บ. 12.0 ลิตร	20 cc	7	21/11/62	29/11/62	✓	
6	✓	ไร่ทอง	ฟอสฟอรัส + ฟิงเกอร์	30g + 30g	7	21/11/62	29/11/62	✓	
7	✓	ไร่ทอง	อ.บ. 12.0 ลิตร	20 cc	7	21/11/62	29/11/62	✓	
8	✓	ไร่ทอง	ฟอสฟอรัส + ฟิงเกอร์	30g + 30g	7	21/11/62	29/11/62	✓	
9	✓	ไร่ทอง	อ.บ. 12.0 ลิตร	20 cc	7	21/11/62	29/11/62	✓	
10	✓	ไร่ทอง	ฟอสฟอรัส + ฟิงเกอร์	30g + 30g	7	21/11/62	29/11/62	✓	
11	✓	ไร่ทอง	อ.บ. 12.0 ลิตร	20 cc	7	21/11/62	29/11/62	✓	

Photo 6 : Mr.Phaithoon Inpapien’s sweet basil farm working process during November – December, 2019 record (as photo shown above, this photo has taken on April 16<sup>th</sup>, 2020)

ลำดับ	ชื่อ	ชื่อ	สารเคมีที่ใช้	อัตราการใช้	ระยะเวลาออกฤทธิ์	วันที่	ผู้บันทึก	หมายเหตุ
12	Phai	Phai	อิมิดาโคลพรีด + ฟิโพรนิล	50cc/ลิตร	7 วัน	16-1-63	Phai	
13	Phai	Phai	อิมิดาโคลพรีด	50cc/ลิตร	7 วัน	16-1-63	Phai	
14	Phai	Phai	อิมิดาโคลพรีด + ฟิโพรนิล	50cc/ลิตร	7 วัน		Phai	
15	Phai	Phai	"	"	7 วัน	16-1-63	Phai	มี 2-2-63
16	Phai	Phai	"	"	7 วัน	1-2-63	Phai	มี 2-2-63
17	Phai	Phai	"	"	7 วัน	1-2-63	Phai	
18	Phai	Phai	"	"	7 วัน	10-2-63	Phai	
19	Phai	Phai	"	"	7 วัน	6-2-63	Phai	
20	Phai	Phai	"	"	7 วัน	10-2-63	Phai	
21	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
22	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
23	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
24	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
25	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
26	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
27	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
28	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
29	Phai	Phai	"	"	7 วัน	15-2-63	Phai	
30	Phai	Phai	"	"	7 วัน	15-2-63	Phai	

Photo 7 : Mr.Phaitoon Inpapien's sweet basil farm working process during January – March, 2020 record (as photo shown above, this photo has taken on April 11<sup>th</sup>, 2020)

เอกสารบันทึกการใช้สารเคมี บริษัท โกรว์ ฟรอส **หัวหน้ากลุ่มบันทึก** 1 **ต้นฉบับ**

ลำดับ	ชื่อ		สารเคมีที่ใช้	อัตราการใช้	ระยะเวลาออกฤทธิ์ (วัน)	วันที่		ผู้บันทึก	หมายเหตุ
	เกษตรกร	พืช				ฉีด/ใช้	หมดฤทธิ์ปลอดภัย		
31	Phai	Phai	อิมิดาโคลพรีด + ฟิโพรนิล	50cc/ลิตร	7	16-3-63	14-3-63	Phai	
32	Phai	Phai	"	"	7	1-4-63	1-4-63	Phai	
33	Phai	Phai	"	"	7	10-3-63	9-3-63	Phai	
34	Phai	Phai	"	"	7	10-3-63	8-3-63	Phai	
35	Phai	Phai	"	"	7	7-3-63	15-3-63	Phai	

Photo 8 : Mr.Phaitoon Inpapien's sweet basil farm working process during March, 2020 record (as photo shown above, this photo has taken on April 16<sup>th</sup>, 2020)

## 1.2 Conducting a risk assessment of pesticides usage in a farm plot

With the Carbendazim ,Triazophos and Pyridaben

Carbendazim notification found, which these are used for Funguran protection

Triazophos is a chemical compound used in acaricides, insecticides, and nematicides

Pyridaben is a pyridazinone, an organochlorine insecticide and an organochlorine acaricide

in which we found as follows;

The pesticide items found in the chemical storage area, investigated as of April 16<sup>th</sup>, 2020



Photo 9 : Chemical Storage Area



photo 10 : The chemicals found in the storage area, investigated as of April 16<sup>th</sup>, 2020

There was no Carbendazim, Triazophos and Pyridaben found in using as gathering from Mr.Paithoon Inpapien's chemical storage area, so then there was no possibility to have pesticides found as claimed The pesticide usage in the plot

### 1.3 Conducting a risk assessment of water usage from the plot

On April 16<sup>th</sup>, 2020 we have our authorized officer done the plot visit, and could see that Mr.Paithoon Inpapien's farm was using the water from their pond, never have other water sources used (as photo 11<sup>th</sup> shown below)





Photo 11 : Mr.Paithoon Inpapien's pond, photo was taken on April 16<sup>th</sup>, 2020

so then there was no risk to have pesticide residues from the outsources

#### 1.4 Conducting a risk assessment of other factors

Not only, Mr.Paithoon Inpapien's plot and all around were investigated by us, our authorized officer as for finding other feasibility factors but also had the farmers interviewed about the pesticide usage, none had done, so we have to find out where the problem actually was

#### **Conclusion of the Carbendazim ,Triazophos and Pyridaben found**

With the result of Mr.Paithoon Inpapien's sweet basil risk assessment dated April 16<sup>th</sup>, 2020

1. Conducting a risk assessment of the area & all around : No risk found
2. Conducting a risk assessment of the crop record : No risk found
3. Conducting a risk assessment of water usage in the farm plot : No risk found
4. Conducting a risk assessment of other feasibility factors : No risk found

## Rectifying the issue & Avoiding the problem

- Giving Mr.Paithoon Inpapien training and knowledge for sweet basil pesticide use for exporting and evaluate the result

- Following up with the production, having our authorized officer to visit & do the random investigation (for pesticide usage) once a week without giving the advanced notice, and once a month later on -

- Repeatedly checking for Carbendazim ,Triazophos and Pyridaben in Mr.Paithoon Inpapien's plot, the pesticide residues must be none