

How to use pesticide

13/5/2021 Domestic rice project
8/9/2021 reviewed

Evaluating from current farmers practice, rotation of pesticide is needed. Rotation means using different types of pesticide with appropriate intervals. Below is the case of Model farmer in Maliana. You applied pesticide 4 times with the same type of pesticide (Dharmabas and Bassa those effective chemical content is B P M C = Carbamate system) which is wrong. Because if you continue to use the same pesticide with a short interval then the pest will acquire tolerance against pesticide. The application of pesticide usually gives 10days protection depending on rainfall. I recommend 3 times application maximum in the season by different types of pesticide.

- First, nursery application for wereng Coklat & beetles **by Regent**. Especially Natar, where those pests were observed the previous season.
- Second, around 40 days for various butterfly/moss after weeding (Rice case worm & Rice stem borer) **by Bassa**. Carefully observe adult pests flying in the field.
- Third, around 80days at the beginning of flowering for Rice bugs **by Besvidor**. In any case, please carefully observe the field before application. If there is no insect, it is not necessary to apply it.

Insektisida	Effect	Dose	Attention
Regent	phenyl pyrazole. Use it for nursery against already Bassa tolerance pests (wereng Coklat etc.). Different working system from existing insektisida. Only a small amount may have a long lasting (30-60days) residual effect.	1:5000 for water 250ml for 1ha	Only once at early stage. It can cause damage to the shrimp family. Appreciation until 90days before harvest.
Bassa (Dharmabas)	BMPC(Fenobucarb) insecticides which have a quick effect for paddy insects.	1:500 for water	3 times. Until 7days before harvest. Preferably 30days before.
Besvidor	Imidakloprid.Neonicotino id type. Good for rice bugs and can penetrate plants.	1:1000 for water	Two times until 7days before harvest

Below Red is recommendation Yellow is current application for MF.

0	Sowing Seed 48 kg (Nakroma)	55	pes control		
15	soil preparation	56	pull out the grass in the rice field		
16		57			
17	Pesticide for nursery	58	rice growing well and rice many tillers		
18	25kg NPK for Basal fertilizer because of rain they apply half	59			
19	Transplanting 30*15	60			
20	25kg NPK for Basal fertilizer	61	pull out the grass in the rice field		
32		62			
33	Thrid training Weeding	63			
34	Distribute Urea 50 kg	64	pull out the grass in the rice field		
35		65			
36	Urea 30kg+NPK 25kg as top dress fertilizer + Hormonic	66			
37		67			
38		68	Measure the area cultivation PAD system 0.804 ha		
39		69			
40	Pesticide for butterfly and moss	70			
41		71			
47		72	spray greentonik,3cawa+ Harmonik 3cawa,16ltr water *4		
48		73	Spray Dharmabasa 1cawa,16ltr water *4		
49	Urea 20kg+NPK 25kg as top dress fertilizer + Hormonic	74	Use the machine, cut the grass in the fields		
50	GM Aas62cm Kain18, 285/M-2	75			
54		76	water control		
		77			
				78	spray pestisida basa 3 cawa 16ltr water *4 pesticide for rice bugs
				79	
				80	
				81	GM A:119 O:304 F19% pest control
				82	
				83	
				84	spray bassa 1cawa 16ltr water *5
				85	Estimation 50% Funan
				86	
				87	
				88	pest control
				89	remove the water in the rice field
				90	Fourth Training seed maintenance with area 245 m2. total: 13 LF.
				91	
				92	
				93	
				94	
				95	spray bassa 1 cawa 16ltr water * 4
				96	
				101	
				102	preparation the harvest
				110	
				111	
				113	harvest 20 hills