

## **GOOD RESULTS OF EM IN A MUSHROOM FARM AT NIKHOM LOPBURI**

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He had a few varieties of mushroom in his farm which he experimented using EM for one year, and he had got a standard formula for his farm already. He had 150,000 bags of flowering mushrooms in the houses and 50,000 bags were in the storage house. He started his experiment in June 1995 to May 1996. His purposes were developing his career, and producing more yield with better quality and preventing insects and disease. The formula for using EM were as follows,

### **USE OF EM FOR FLOWERING MUSHROOMS**

EM	10-15 cc.
Molasses	10-15 cc.
Water	5 liters

The above was mixed together then left for one night minimum, and not more than 3 days. When we wanted to spray on the mushroom flowers, we mixed the mixture (1 liter) with water (500 liters) then sprayed on them twice a day (in the morning, and evening). If we wanted to spray more than two times, water would be sprayed during daytime.

### **USE OF SUTOCHU (EM5)**

EM5	1 liter
Molasses	1 liter
Water	500 liters

After mixing the above, it would be sprayed on the very small flowers until they were harvested, and also sprayed on the bags once a day after they were harvested.

### **USE OF EM TO FERMENT SAWDUST AND OTHER MATERIALS**

EM	600 cc.
Molasses	600 cc.
Water	60 liters

He used this mixture for one ton of sawdust which had mixed with the other materials. He mixed everything together then sprayed the mixture on the pile of materials. He added more water if the water was not enough. It was covered over it with a piece of plastic for one night. The next morning it was turned up and put into the small bags.

### **USE OF EM5 TO PREVENT OR REPEL INSECTS**

This formula is for the storage houses.

EM5	1.5 liters
Molasses	1.5 liters
Water	500 liters

This mixture was sprayed in the storage houses every ten days and in the growing houses once a month. When we wanted to use it, we had to mix it (40 cc.) with molasses (40 cc.) and water (5 liters) then sprayed it not only in the storage houses and the growing houses, but also for the

garbage and any places where the insects hid inside, both in the farm and outside the farm for a distance of 50 meters between the farm and the area around the farm, for three days once a month, in order to cut the growth cycle of the insects.

## **RESULTS**

1. All mushrooms were soft, fresh, durable and good weight.
2. They were earlier to have new flowers by 10-15 days after they were harvested.
3. The yield was increased by 25%.
4. There were not any problems about yellow mushrooms and the other faults.
5. There were no vinegar flies and other insects in the growing houses.
6. The insects could not lay eggs in the bags which were in the storage houses and also there were no insects in the houses.
7. Metamorphosis of the insect was inhibited such as egg, larvae and pupa they could not become insects at all. Mites and vinegar flies were repelled except for big insects.
8. Normal rubber tree sawdust was used for the mushrooms. We could use any kinds of sawdust after using EM. EM could make any kinds of sawdust soft in which mushroom mycelium could grow rapidly.
9. There was no fungus infection in the bags because the sawdust was fermented by EM.

If you want more details , please contact :- Khajornvit mushroom farm.

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