

JOB DESCRIPTION TOWARDS DISINFESTATION TREATMENT OF STORED STOCKS

A. Prophylactic treatment : The stored stocks of rice should be treated as follows:-

Name of pesticides	Dosage	Remarks
1. Malathion 50% EC	Solution to be prepared in the ratio (1:100) and prepared solution be sprayed on bags surface, walls, alleyways of godown @ 3ltr./100 sq.mtr. to control insects and avoid infestation.	To be treated once in every fortnight. Bags of food grains should be brushed and cleaned and alleyways also should be cleaned after exposure of treatment.
2. D.D.V.P. 76 %	Solution to be sprayed in the ration(1:150) and 3 ltr. of prepared solution be sprayed on 150 sq.mtr. surface area, on the walls, alleyways, vacant space of the godown.	To be treated once in every fortnight. Bags of food grains should be brushed and cleaned and alleyways also should be cleaned after exposure of treatment.
3. Deltamethryn 2.5% WP	40 grams of Deltamethryn 2.5 % WP has to be dissolved in 1 ltr. Of water and 3 ltrs. Of solution to be sprayed on bags surface, walls, alleyways over 100 sq.mtr. surface area.	Once in 90 days. Bags of food grains should be brushed and cleaned and alleyways also should be cleaned after exposure of treatment.

B. Curative control measures(Fumigation) :

If huge infestation is observed and not eliminated by Prophylactic Control measures, Curative Control measures i.e. fumigation of the stocks must be undertaken to eliminate living pests so that at the time of delivery of stocks of rice/wheat etc. there remains no living pests.

Name of pesticides	Dosage	Remarks
Aluminium Phosphide	3 tablets i.e. 9 grams of Aluminium Phosphide to be used per Metric Ton of stored stocks after proper covering of stocks of food grains with airtight polythene covers. The exposure period is 5 to 7 days.	After exposure time cover should be removed and food grain bags should be brushed and cleaned.

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After Fumigation is carried out, it should be noticed if there are any crawling insects on the top of stacks or on sides, if fumigated under gas proof cover it should be presumed that the fumigation operation has not been successful. The cause should be looked into and avoided for future operation and stocks should be fumigated again and after exposure period, the bags and the stacks should be cleaned and brushed thoroughly to remove ash and dead pest and stocks should be sprayed with Deltamethryn or with Malathion (in case of crawling infestation) to eliminate the chances of any living pests.

C. Rodent control :

Normally, RIDF godowns have been designed and constructed in such a fashion that there are minimum chance of rodent infestation. However, if presence of rodents are noticed, rodent control measures must be undertaken by using rodenticides. Detailed technique is enclosed in separate sheet as **enclosed**.

D. Classification of stocks of food grains:

Prior to disinfestation measures, stocks of food grains stored in the godown must be classified as follows:-

Classification	No. of living Pests
Clear	Stock completely free from any living pests.
Few	Stock having two living pests per 500 grams of food grains of representative sample.
Heavy	Stock having more than 2 living pests in 500 grams of representative sample.

After classification, following disinfestation treatments are to be undertaken :

- (a) In case of stocks classified as 'clear', spraying with Melathion 50 % EC or Deltamethryn 2.5% WP is recommended.
- (b) In case of 'few' classified stocks, spraying with either Deltamethryn 2.5% WP or cover fumigation with Aluminium Phosphide is recommended.
- (c) (b) In case of 'heavy' classified stocks, spraying with either Deltamethryn 2.5% WP or cover fumigation with Aluminium Phosphide is recommended.
- (d) After disinfestation treatment the stocks of food grains must be re-classified in order to assess whether disinfestation treatment has been properly undertaken or not and stocks of food grains are free from any living pests.
- (e) Classification of stocks of food grains must be done once in each fortnight prior to treatment and after treatment and proper notings should be recorded in a 'Register'.

