

IRS formulations and dosages

S. No.	Name of insecticide	Amount of insecticide to prepare 10 litres of suspension	Dosage per sq. metre of active ingredient	Residual effect in weeks	Area (in sq. m) to be covered by 10 litres of suspension	Requirement of insecticide per million population (in MT)
1.	DDT 50% WP	1.000 Kg	1 gm.	10-12	500	150.00
2.	Malathion 25% WP	2.000 Kg	2 gm.	6-8	500	900.00
3.	Deltamethrin 2.5% WP	0.400 Kg	20 mg.	10-12	500	60.00
4.	Cyfluthrin 10% WP	0.125 Kg	25 mg.	10-12	500	18.75
5.	Lambdacyhalothrin 10% WP	0.125 Kg	25 mg.	10-12	500	18.75
6.	Alphacypermethrin 5% WP	0.250 Kg	25 mg.	10-12	500	37.50
7.	Bifenthrin 10% WP	0.125 Kg	25 mg.	10-12	500	18.75

- In the case of Malathion, the requirement shown above, is for the three rounds

Larvicide formulations and dosages

S.No	Name of Larvicide	Commercial formulation	Preparation of ready to spray formulation	Dosage			Frequency of application	Equipment required	Remarks
				1 square meter	50 Linear meter	Per Hectare			
1	MLO	100% petroleum product	As it is	20 c.c.	1 Litre	200 Litres	Weekly	Knapsack/ Hand compression sprayer	To be applied along the shore of water body
2	Temephos (Abate)	50% EC	2.5 c.c. in 10 Litres of potable water	20 c.c.	1 Litre	200 Litres	-do-	Knapsack/ Hand compression sprayer	Can be applied in clean water
3	Bacillus thuringiensis israelensis WP	Wettable Powder	5 Kg in 200 litres of Water	-	-	5 Kg	Fortnightly	Knapsack/ Hand compression sprayer	For both clean and non-potable polluted water
4	Bacillus thuringiensis israelensis 12 Aqueous Suspension (AS)	Aqueous Suspension 12 Aqueous Suspension	1 litre in 200 Litres of Water	-	-	1 Lit.	Weekly	Knapsack/ Hand compression sprayer	Clean Water
			2 Litres in 200 Litres of Water	-	-	2Lit	Weekly	Knapsack/ Hand compression sprayer	Polluted Water