

SUMITHION SUPER®



A broad spectrum organophosphate /synthetic pyrethroid insecticide for the control of leafminers, antestia bugs and thrips in coffee.

ACTIVE INGREDIENT: 12.5gm Esfenvalerate per litre
250gm Fenitrothion per litre.

FORMULATION Emulsifiable Concentrate.

REGISTRATION NO: PCPB (CR) 0799

MODE OF ACTION Sumithion Super is a combination of an organophosphate and a synthetic pyrethroid. Both are Stomach and Contact poisons. The organophosphorus compound acts as an inhibitor of the enzyme acetylcholinesterase at the nerve junctions. The insects nervous system operations are hindered, followed by death. The pyrethroid has a quick knockdown effect as it paralyses the nervous system.

SPECTRUM OF CONTROL Sumithion Super controls the major groups of insect pests namely *Lepidoptera*, *Diptera*, *Orthoptera*, *Hemiptera* and *Coleoptera*.

APPLICATION RATES AND TIMING

Crop	Insect controlled	Dosage / Rate		Remark	Pre-Harvest interval
		Litre/ha	mls/20 litres of water		
Coffee	Leafminer, Antestia bug, Thrips.	0.8 (1,000 Litres of water /ha)	16	Apply if more than 35 moths (leafminer) per tree are seen at one week later. Repeat sprays at 2-3 weeks after first spray if necessary	7 days

REMARKS For leaf miner, apply first one week after moths reach 25 - 35 per bush. Repeat 2 -3 weeks later. For antesia, apply when there are 2 or more insects per bush. For other insects, spray when attack is noticed. Repeat application at 14 day intervals if necessary. Last spray should be 4 weeks before harvest.

COMPATIBILITY Sumithion Super is compatible with most commonly used pesticides except those which are alkaline e.g. Kocide DF and Bordeaux mixture.

MAIN ADVANTAGES

- Sumithion Super has a broad spectrum activity meaning that most insect pests on coffee would be controlled.
- Sumithion Super is of very low mammalian toxicity requiring only basic protective clothing.
- Sumithion Super has a strong contact and stomach poison properties with some translaminar action.
- Sumithion Super has a quick knockdown effect. Sumithion Super is relatively of short persistence posing little danger to the environment.
- Sumithion Super is compatible with most farm pesticides except the strongly alkaline ones.

AVAILABLE PACK SIZES 20 Lts, 1 Lt, 500 ml, 200 ml, 100 ml, 50 ml

HANDLING PRECAUTIONS

- Harmful to eyes and skin. Wear protective clothing including gloves, boots and face mask when handling the concentrate. When spraying wear overalls, boots, gloves and cap. Harmful if inhaled. Avoid breathing spray mist. Harmful if swallowed. Do not eat, smoke or drink when handling the product. Wash hands before eating. Wash overall work clothes after use.
- Flammable. Do not store for long periods under direct sunlight, or hot and humid conditions. Store in tightly closed original container away from children, livestock, feed stuff, food and flammable materials. Keep in cool dark place. Do not re-use empty containers for any other purpose. Puncture and bury empty containers well away from water sources. If concentrate is spilled, absorb spillage with soil or sawdust and bury it. Clean down contaminated area with clean water and drain away from water sources.

ENVIRONMENT AND WILDLIFE The product has short persistence in the environment. Toxic to fish. Do not spray over water. Do not drain contaminated water into ponds or dams. Wash used sprayer away from drinking water. Toxic to bees, avoid spraying when the crop is heavily flowering.

FIRST AID INSTRUCTIONS Do not handle if under doctor's advice not to work with organophosphorus compounds.

For eye splashes - wash eye with clean water for 15 minutes.

If splashed onto skin, wash off immediately with soap and clean water. Clean under finger and toe nails.

If swallowed, do not make patient vomit as solvent can damage lungs. Remove patient from area where chemicals are being used. Keep patient warm and quiet. Go to the doctor and show the label.



LEADERS IN CROP PROTECTION

Sumithion Super® is a registered trademark of Sumitomo Chemical.