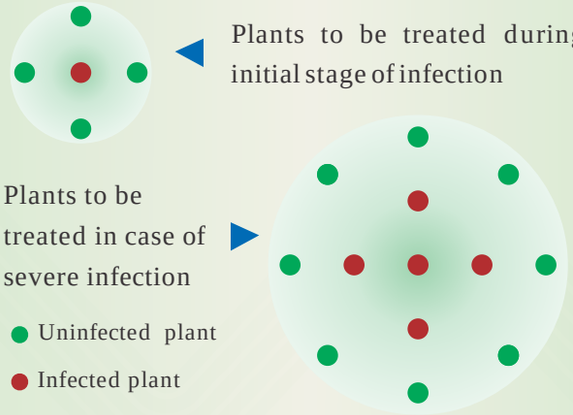

Instructions

- Remove dead mulberry plants, burn and expose the soil to sunlight
- Replant with new saplings, after dipping roots in 0.4% **ROT*fix*** solution for 20 min.
- Treat the surrounding plants also, to prevent spread of the disease
- Treat at the initial stage of infection, when the plants show symptoms such as drying of leaf margins and withering
- Water the treated mulberry plants 2-3 days after application
- Repeat treatment after 30 days if plants do not revive
- Apply compost / manure sufficiently to increase soil organic carbon content
- Keep the soil moisture level above 40% to prevent the spread of disease
- Before taking up new mulberry plantation, expose the soil to sun light by deep digging and ploughing

Precautions

- Keep the contents in air tight packs
- Keep the product away from the reach of children
- Do not expose the product to direct sunlight

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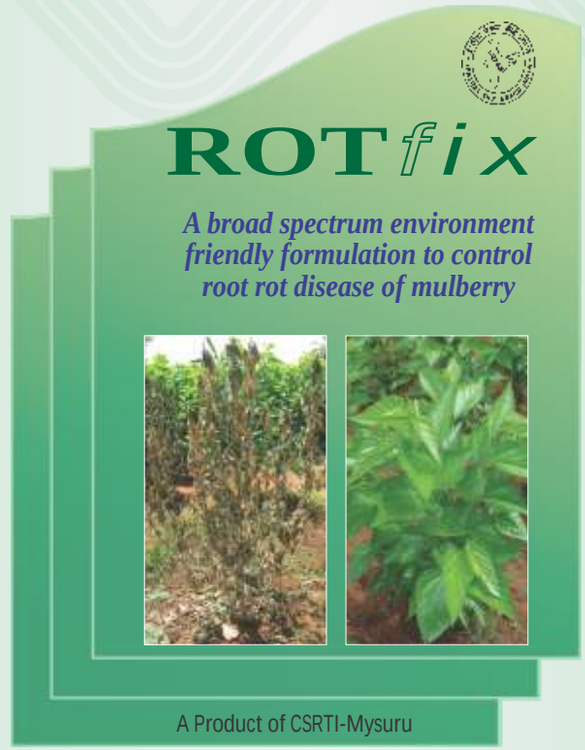
ROT*fix*

A broad spectrum environment friendly formulation to control root rot disease of mulberry



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Root rot disease of mulberry

Root rot is a serious disease of mulberry. It is widely distributed in almost all the mulberry growing areas. Fungi such as *Fusarium solani*, *Fusarium oxysporum*, *Rhizoctonia bataticola* and *Botryodiplodia theobromae* are the causative pathogens associated with root rot. It occurs throughout the year.

Symptoms and Disease Development

- The disease is characterized by sudden withering of plants, wilting and defoliation
- This is followed by decaying of roots and death of affected plants
- The disease causes about 30% mortality of plants with 14% reduction in leaf yield
- The disease spreads at a faster rate in soils with 30-35°C temperature and <40% moisture

- The disease initially appears in a few plants in isolated patches, which act as infective center, leading to mortality of large number of plants within a short span
- The pathogens enter into the root cortex, establish, colonise and form numerous black spores
- As the cortex around root dry, it disintegrates the cortex and root decays. The infected plants can be easily pulled out

Method of Application

Prune the plant 30 cm above the ground

Dig and remove soil 20-30 cm around the plant

Mix 10g **ROT *fix*** in 2 litre water

Pour 2 *l* **ROT *fix*** solution, drenching the stump

Cover with soil immediately

Press the soil firmly around the plant

Advantages

- Environment friendly, broad spectrum formulation effective against all fungal pathogens associated with root rot
- Complete revival of the plants, if applied in the initial stages of infection
- The formulation contains 89.5% eco-friendly organic material and 8% organic chemicals
- Economically viable disease management practice
- Does not affect beneficial soil microbes
- No adverse effect on silkworm rearing
- Shelf life of the formulation is two years