PEST MANAGEMENT DECISION GUIDE: GREEN AND YELLOW LIST



Bean rust

Uromyces phaseoli; local name: Kutu ya maharagwe (Swahili)



Bean rust spots on bean leaf (Photo by AgrEvo)

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
\ *	Practice two year crop rotation with non-leguminous plants. Remove and burn old crop residues since the disease can live for one year on the material.	orange to yellow halo like powdery pustules on the upper side and orange to red circular pustules on the upper side and orange to red circular pustules on the lower leaf surface. 127 new mwezi moja, New e coco, Kutuless (J12). clean bean seeds originating in non-diseased plants or from ified seeds dealers. p plough to about 45 cm to residues into the soil to burage rotting of the plant ains and reduce the amount lingal disease carried over to next bean seeds during the end the rainy season and not at the to for rainy season because in rust thrives during the wet ditions. Intain weed free field in inclular remove alternate host	 Pick affected leaves, place in a plastic bag and destroy as soon as possible to prevent spores from spread Avoid walking through the field during wet weather to prevent disease spread from one plant to another. Pick affected leaves into the polythene bags (prevents spread) and burn them. 	Hexaconazole (e.g. Anvil)	◆ Slightly hazardous (WHO Class III)
	left in the field. ◆ Plant resistant varieties like GLP-X 1127 new mwezi moja, New			Chlorothalonil (e.g. Daconil)	 Unlikely to cause harm in normal use (WHO Class U) FRAC mode of action 3.
	rose coco, Kutuless (J12). Use clean bean seeds originating from non-diseased plants or from certified seeds dealers.				 Toxic to aquatic organisms. Do not spray near surface water or empty into water drains.
	◆ Deep plough to about 45 cm to turn residues into the soil to encourage rotting of the plant remains and reduce the amount of fungal disease carried over to			◆ Mancozeb	 Unlikely to cause harm in normal use (WHO Class U) FRAC mode of action 3. Toxic to aquatic organisms.
	the next bean season.Plant bean seeds during the end of the rainy season and not at the				 Do not spray near surface water or empty into water drains.
	 start of rainy season because bean rust thrives during the wet conditions. Maintain weed free field in particular remove alternate host crops e.g. Oxalis spp. 			◆ General	◆ Always use PPE and follow the instructions on the product label (dosage, timing of application and pre- harvest interval)





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