

SWEETPOTATO DISEASE LIST

Name		Virus type	Synonym	Symptom	Diagnosotic method	Anti-sera available and source	Bioassay - Host range	Factors affecting test reliability	Countries where pest found	Economic Significance	Means of transfer
Viruses											
Sweet potato feathery mottle virus	SPFMV	Order: Unassigned Family: Potyviridae Genus: Potyvirus		Y?	ELISA, NASH,RT-PCR, qRT-PCR	Polyclonal / CIP	G I. SETOSA		Worldwide	Over 50% (SPVD)	Aphid
Sweet potato latent virus	SPLV	Order: Unassigned Family: Potyviridae Genus: Potyvirus			ELISA NASH,RT-PCR	Polyclonal / CIP	G I. SETOSA		Asia, Africa, India, Egypt		Aphid
Sweet potato virus G	SPVG	Order: Unassigned Family: Potyviridae Genus: Potyvirus			ELISA,RT-PCR qRT-PCR	Polyclonal / CIP	G I. SETOSA		Asia, Africa, , Egypt, Barbados USA, Peru		Aphid
Sweet potato mild speckling virus	SPMSV	Order: Unassigned Family: Potyviridae Genus: Potyvirus			ELISA	Polyclonal / CIP	G I. SETOSA		Asia, Africa, New Zealand, S. America		Aphid
Sweet potato mild mottle virus	SPMMV	Order: Unassigned Family: Potyviridae Genus: Ipomovirus		Y?	ELISA, RT-PCR	Polyclonal / CIP	G I. SETOSA		Asia, Africa, PNG, India, Egypt, New Zealand	40% (with SPCSV)	Whitefly ?
Sweet potato chlorotic fleck virus	SPCFV	Order: Tymovirales Family: Betaflexiviridae Genus: Carlavirus			ELISA	Polyclonal / CIP	G I. SETOSA	Transient symptoms on <i>I.setosa</i>	Africa, Asia, S. America, N. Zealand, Cuba, Panama	Over 50% (SPVD), 30% (single infection)	
C-6 virus	C6	Carlavirus?, Flexiviridae?			ELISA	Polyclonal / CIP	G I. SETOSA		USA, Peru, Cuba, Dom. Rep., Indonesia, Philippines, P. Rico, Egypt, Uganda?, Kenya, South Africa, N. Zealand	50% (with SPCSV)	
Sweet potato chlorotic stunt virus	SPCSV	Order: Unassigned Family: Closteroviridae Genus: Crinivirus		Y?	ELISA NASH,RT-PCR qRT-PCR	Polyclonal / CIP	G I. SETOSA		Worldwide		Whitefly
Sweet potato caulimo-like virus	SPCaLV	Caulimovirus?, Caulimoviridae?			ELISA PCR	Polyclonal / CIP	G I. SETOSA		South Pacific Region, Madeira, China, Egypt, Puerto Rico, Uganda, Kenya?, Nigeria.		

Sweet potato little leaf					PCR	None available	Need to define detection procedure. Possibility of PCR on grafted I. Setosa. Titre low and symptom expression delayed.			
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