

Best practices: Health diagnosis in forage grasses genebanks

Plant species	Virus							Fungi				Phytoplasma		Insects and others	
	BYDV	EMV	JGMV	MDM V	MSV			Smut							
Tropical grasses															
<i>Bothriochloa pertusa</i>															
<i>Brachiaria decumbens</i>			√												
<i>Cenchrus ciliaris</i>			√					√							
<i>Chloris gayana</i>				√	√										
<i>Cynodon dactylon</i>				√				√							
<i>Melinis minutiflora</i>															
<i>Panicum coloratum</i>					√										
<i>Panicum maximum</i>				√	√										
<i>Paspalum dilatatum</i>	√			√											
<i>Paspalum plicatulum</i>															
<i>Pennisetum clandestinum</i>					√			√							
<i>Pennisetum purpureum</i>		√	√		√			√				Stunt disease	NASH PCR	Spidermite Scale insects	VME
<i>Setaria sphacelata</i>					√										
<i>Sorghum almum</i>			√												
<i>Urochloa mosambicensis</i>															

Acronyms

ELISA – Enzyme-linked immunosorbant assay

NASH – Nucleic acid hybridization

PCR – Polymerase chain reaction

VME – Visual and microscopic examination of infected leaves or seeds

BYDV – Barley yellow dwarf virus

JGMV - Johnsongrass Mosaic Virus

EMV – Elephant grass Mosaic Virus

MDMV – Maize dwarf mosaic virus

MSV – Maize streak virus