

Virus detection in plants

Testing for Life

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Virus Testing

		POSPVIROÏDES : PSTVD, TCDVD, CEVD, CLVD, PCFVD, TPMVD, TASVD*																																												
		ALFALFA MOSAIC VIRUS (AMV)**	ARABIS MOSAIC VIRUS (ARMV)*	PEPINO MOSAIC VIRUS (PEPMV)**	TOBAMOVIRUS (TMV, TOMV, TOBRFV, TOMMV)**	PEPPER MILD MOTTLE VIRUS (PMMOV)**	CUCUMBER GREEN MOTTLE MOSAIC VIRUS (CGMMV)**	TOMATO BROWN RUGOSE FRUIT VIRUS (TOBRFV)*	TOMATO BLACK RING VIRUS (TBRV)*	TOMATO BUSHY STUNT VIRUS (TBSV)*	TOMATO RINGSPOT VIRUS (TORSV)*	TOMATO YELLOW LEAF CURL VIRUS (TYLCV)*	TOMATO SPOTTED WILT VIRUS (TSWV)**	IMPATIENS NECROTIC SPOT VIRUS (INSV)	POTYVIRUS (POTY)	CUCURBIT APHID-BORNE YELLOW'S VIRUS (CABY VIRUS)	SQUASH MOSAIC VIRUS (SQMV)	ZUCCHINI YELLOW MOSAIC VIRUS (ZYMV)**	MELON NECROTIC SPOT VIRUS (MNSV)	TOBACCO NECROSIS VIRUS (TNV)	WATERMELON MOSAIC VIRUS (WMV2)*	ZUCCHINI GREEN MOTTLE MOSAIC VIRUS (ZGMMV)*	BEEET NECROTIC YELLOW VEIN VIRUS (BNYVV)*	CUCUMBER MOSAIC VIRUS (CMV)	CITRUS TRISTEZA VIRUS (CTV)*	LEEK YELLOW STRIPE VIRUS (LYSV)*	ONION YELLOW DWARF VIRUS (OYDV)*	APPLE CHLOROTIC LEAF SPOT VIRUS (ACLSV)*	APPLE MOSAIC VIRUS (APMV)*	TURNIP YELLOWS VIRUS (TUYV) = BEET WESTERN YELLOW VIRUS (BWVV)*	HOSTA VIRUS X (HVX)*	TOBACCO RATTLE VIRUS (TRV)*	LETTUCE MOSAIC VIRUS (LMV)*	MAIZE CHLOROTIC MOTTLE VIRUS (MCMV)*	SUGARCANE MOSAIC VIRUS (SCMV)*	PEA EARLY BROWNING VIRUS (PEBV)	PEA SEED BORNE MOSAIC VIRUS (PSBMV)	BEAN COMMON MOSAIC VIRUS (BCMV)	PEA ENATION MOSAIC VIRUS (PEMV)*	BARLEY STRIPE MOSAIC VIRUS (BSMV)*	WHEAT STREAK MOSAIC VIRUS (WSMV)*					
Tomato seeds		●	●	●	●	●		●	●	●	●	●	●																																	
Tomato fruit/leaves			●		●			●					●	●	●										●																					
Capsicum spp. fruit/leaves			●		●	●							●	●	●																															
Capsicum spp. seeds		●		●	●	●						●	●												●																					
Cucurbitaceae seeds							●				●							●				●	●		●																					
Cucurbitaceae fruit/leaves			●				●								●	●	●	●	●	●																										
Eggplant/aubergine seeds		●																																												
Water					●		●	●																																						
Ornamental leaves													●	●	●										●																					
Citrus leaves																										●																				
Garlic cloves																											●		●																	
Apple leaf/fruit/branch																													●	●																
Beetroot and spinach roots																								●																						
Beet leaves																								●										●												
Carrot seeds			●																																											
Hosta leaves			●																																●	●										
Lettuce seeds																																				●										
Maize seeds																																					●	●								
Pea seeds																																							●	●	●	●				
Wheat seeds																																											●		●	

* = Analyzed at external laboratory
** = Analyzed at external laboratory or Eurofins Agro depending on matrix



Virus testing requires specialist work

Detecting plant viruses requires specialist expertise - expertise that Eurofins Agro offers through its dedicated team of Plant Doctors. Using advanced methods such as ELISA, PCR, and qPCR, we accurately identify viral infections in crops.

Presence of plant pathogens - including fungi and oomycetes, bacteria and viruses - can cause a large range of symptoms. This may result in significant yield losses, thus causing major financial damage. Early detection enables targeted action, preventing major yield loss and financial damage. A selection of testable viruses is listed inside; contact us for additional options.

IDENTIFY CAUSE OF DAMAGE

By identifying the cause of the problem, targeted action can be taken, and thus substantial economic damage can be avoided. Based on visual assessment of the submitted crop material combined with careful evaluation of any information provided, the Plant Doctor identifies the necessary analyses for subsequent diagnosis of the sample. Alternatively, testing on specific viruses can also be requested.

The European authorities have set strict guidelines for the import of plant material into the European Union. Eurofins Agro can only receive plant samples sent from outside the European Union if these are sent in compliance with these guidelines. If not, delays will occur, or the authorities will destroy the samples. Take the necessary steps to deliver the samples correctly.

You can find these steps on our website:
www.sending-samples.com.
 Please scan the QR-code:

