

➔ NEW PRODUCT!

Pea Necrotic Yellow Dwarf Virus was first detected in Germany (Saxony-anhalt) in pea fields in 2009 and has spread since in Germany and Austria. The virus causes severe yield loss in faba bean, peas and lentils.



Family: Nanovirus

Distribution: Germany, Austria

Host range: *Pisum sativum*, *Vicia faba*, *V. sativa*, *L. culinaris*

Transmission: Aphids

Symptoms: yellowing and stunting in pea and faba bean, sometimes followed by necrosis

Further Literature:

- GAAFAR, Y. et al., 2016. *Vicia faba*, *V. sativa*, and *Lens culinaris* as new hosts for *Pea necrotic yellow dwarf virus* in Germany and Austria. *New Disease Reports* 34, 28.
- GRIGORAS, I. et al., 2014. Genome diversity and evidence of recombination and reassortment in nanoviruses from Europe. *Journal of General Virology* 95, 1178-1191.
- MAKKOUK, K.M.et al., 2012. Virus diseases of peas, beans, and faba bean in the Mediterranean region. *Viruses and virus diseases of vegetables in the Mediterranean basin. Advances in Viruses Research*, 84, 367-402.
- MAKKOUK, K.M., et al., 1994. Survey of faba bean (*Vicia faba* L.) for viruses in Egypt. *Phytopathologia Mediterranea* 33, 207-211.

Detection of PNYDV by LOEWE® DAS ELISA

LOEWE® Reagents are available as ELISA sets or complete kits for many test sizes:

07112S/100	Pea Necrotic Yellow Dwarf Virus set / 100 tests	100 tests
07112S/300	Pea Necrotic Yellow Dwarf Virus set / 300 tests	300 tests
07112S/500	Pea Necrotic Yellow Dwarf Virus set / 500 tests	500 tests
07112C/096	Pea Necrotic Yellow Dwarf Virus complete kit /96 tests	96 tests
07112C/480	Pea Necrotic Yellow Dwarf Virus complete kit /480 tests	480 tests
07112PC	Positive Control Pea Necrotic Yellow Dwarf Virus	1 vial (10 tests)
07112NC	Negative Control Pea Necrotic Yellow Dwarf Virus	1 vial (10 tests)

Complete PCR reaction kits

08112C/100	Pea Necrotic Yellow Dwarf Virus PCR complete DNA PCR reaction kit	100 reactions
08112PC	Positive PCR Control Pea Necrotic Yellow Dwarf Virus (DNA-based)	1 vial (10 reactions)
08112NC	Negative Control Pea Necrotic Yellow Dwarf Virus (DNA-based)	1 vial (10 reactions)

For more information contact us or visit our web-site: www.loewe.info.com