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Woodford JaT, 1992. Virius transmission by aphids in potato crops. Netherlands Determination of aphid transmission efficiencies for N, NTN and Wilga strains of
Potato virus Y. Annals of Applied Biology 156, $39-49$.
 Singh RP, Valkonen JPT, Gray SM, et al. 2008. Discussion paper: The naming of
Potato virus Y strains infecting potato. Archives of Virology 153, 1-13. pomme de terre (PVY) en vue de strategies de lutte raisonnées. Gembloux: Faculté
des Sciences agronomiques de Gembloux, Ph.D. Rolot J-L, 2005. Analyse des facteurs régulant la dissémination du virus Y de la Rolland M, Lacroix C, Blanchard A, Baldwin T, Kerlan C, Jacquot E. 2008. Potato
virus Y (PVY): from its discovery to the latest outbreaks. Virologie 12, 261-73.



 References potato production fields. of the $\mathrm{PVY}{ }^{\mathrm{N}}$-W group shows a trend toward stabilization in Swiss seed the $100 \%$ increase observed between 2003 and 2008. It seems that incidence Switzerland. Nevertheless, this $33 \%$ increase in the last 4 years is lower than PVY ${ }^{\mathrm{N}}$. This data confirmed the increasing incidence of $\mathrm{PVY}^{\mathrm{N}}-\mathrm{W}$ in

 evolution through a new survey in 2012. PVY-positive samples based on a virulence of the isolates of the PVY-W group, it was decided to track this


 Rigotti et al., 2011). It has been demonstrated that specific $P V Y^{-}-W$ isolates
are better transmitted by aphids than $P V Y^{\star}$ isolates and are also better recombinant PVY ${ }^{\text {NTN }}$ and $P V Y^{N}-W$ (Rolland et al., 2008, Singh et al., 2008,
 (Woodford, 1992). PVY isolates are usually assigned to three main groups, potato seed production in Europe (Rolot, 2005). This Potyvirus is
transmitted in a non-persistent manner by aphids of various species


 RECENT EVOLUTION OF THE POTATO VIRUS Y (PVY)
POPULATIONS IN SWISS SEED POTATO PRODUCTIO:

