Verticillium Stripe (*Verticillium longisporum*) in Manitoba: A Field-Focused Review

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The objective of this work was to review current and emerging research on *Verticillium longisporum* in canola (*Brassica napus*), with emphasis on the Canadian context, and to present findings from the 2025 Canola Disease Survey in Manitoba. The survey, conducted in collaboration with AAFC Brandon (Yong Min Kim), assessed verticillium stripe prevalence and incidence across rural municipalities with canola production. Stem samples from visually confirmed cases were further analyzed using qPCR to detect *V. longisporum* colonization. A comprehensive literature review was performed to summarize knowledge of *V. longisporum* in Canadian, canola-specific, and historical contexts, highlighting ongoing research addressing this emerging disease. Survey results indicated increased visual prevalence and incidence of verticillium stripe, with preliminary qPCR confirming *V. longisporum* in 38 of 60 tested fields. The review identified significant knowledge gaps in the Canadian context but noted multiple active projects aimed at addressing these gaps. *V. longisporum* represents a potential emerging challenge for canola production in Manitoba, underscoring the need for continued surveillance and research to mitigate its impact.