

On-Farm Evaluation of Foliar Fungicide Applications in Field Peas

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As pea acres increase in Manitoba, disease management questions have become more common. *Mycosphaerella* (Ascochyta) blight is the most widespread foliar disease of peas and it is the main disease target of fungicide applications. The Manitoba Pulse & Soybean Growers (MPSG) On-Farm Network (OFN) began investigating the agronomic and economic implications of foliar fungicide applications in peas in 2017. Over the past six growing seasons, there have been a total of 44 trials across the province evaluating pea fungicide using randomized and replicated strip trials in farmers' fields. Of those trials, 25 have investigated a single application at early flower vs. none and 16 have compared a single vs. double application. A single application of fungicide significantly increased pea yields 28% of the time vs. no application, improving yield by 4.8 bu/ac on average (range: 1.4 - 12.5 bu/ac). Double applications significantly increased pea yields 38% of the time vs. a single application, improving yield by 5.0 bu/ac on average (range: 2.7 - 7.1 bu/ac). To determine if a fungicide application is likely to be beneficial, consult MPSG's *Fungicide Decision Worksheet for Managing Mycosphaerella Blight in Field Peas*. For more information on each of the OFN pea fungicide trials and results, visit manitobapulse.ca/on-farm-research-reports.