Before exposure Exposure feed on uncontaminated foliage able to detect virus survival unsuccessful infection unable to detect virus feed on contaminated incubating virus successful foliage infection Source: **FIELD** LAB **LAB MNPV MNPV** Fitter morphotype: **MNPV SNPV SNPV SNPV** Average 1 – Avoidance metric $(\overset{ extsf{O}}{ extsf{O}})$ 0.010 0.60 Average infectiousness ($\overline{\mathrm{v}}$) Average Proportion Killed 1.00 0.009 0.50 0.95 0.008 0.40 0.007 0.30 0.90 increasing fitness 0.006 0.20 0.85 0.005 0.10 Grand fir Douglas-fir Grand fir Douglas-fir Grand fir Douglas-fir Source: **FIELD LAB LAB** Fitter morphotype: **MNPV MNPV** SNPV SNPV MNPV MNPV Inverse CV of 1– Avoidance metric $(\mathring{\mathsf{D}})$ 0.40 Inverse CV of Infectiousness (C) 0.30 Inverse CV of Proportion Killed 8.0 0.25 0.35 0.20 6.0 0.30 0.15 4.0 Grand fir Douglas-fir Grand fir Douglas-fir Grand fir Douglas-fir Morphotype **MPNV** → SNPV