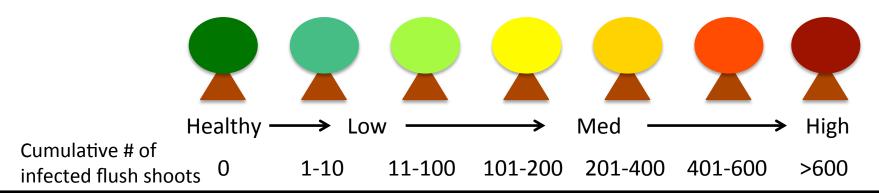
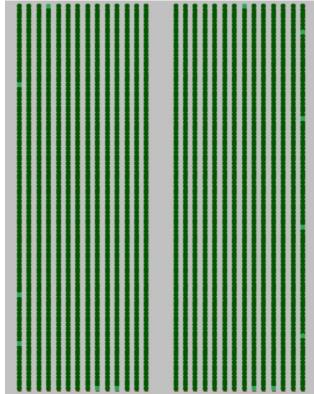
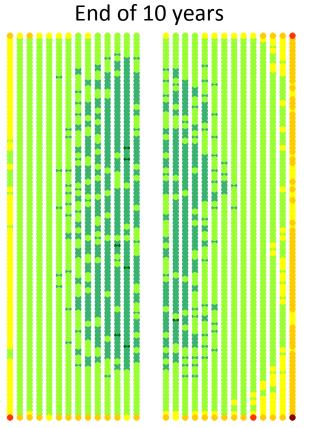
- **7.4** Modeling the impact of RNAi treatments on the spread of HLB among asymptomatic trees
- Recent experiments show that the time to infectiousness in flush shoots is as short as 22 days
- We incorporate this in a mathematical model that predicts the rapid asymptomatic spread of HLB through a grove
- We use this model to analyze the effectiveness of potential psyllid control strategies, most notably, a new biological control in the form of RNAi constructs.



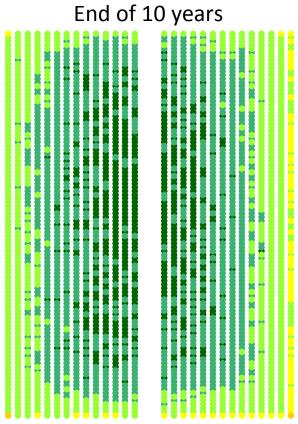
Movie ending at 1 year and 4 months



No control



Weak RNAi constructs: 40% nymphs that normally live will die 33% of adults die over a 15 day period



Strong RNAi constructs: 80% nymphs that normally live will die 66% of adults die over a 15 day period