

# SARDI



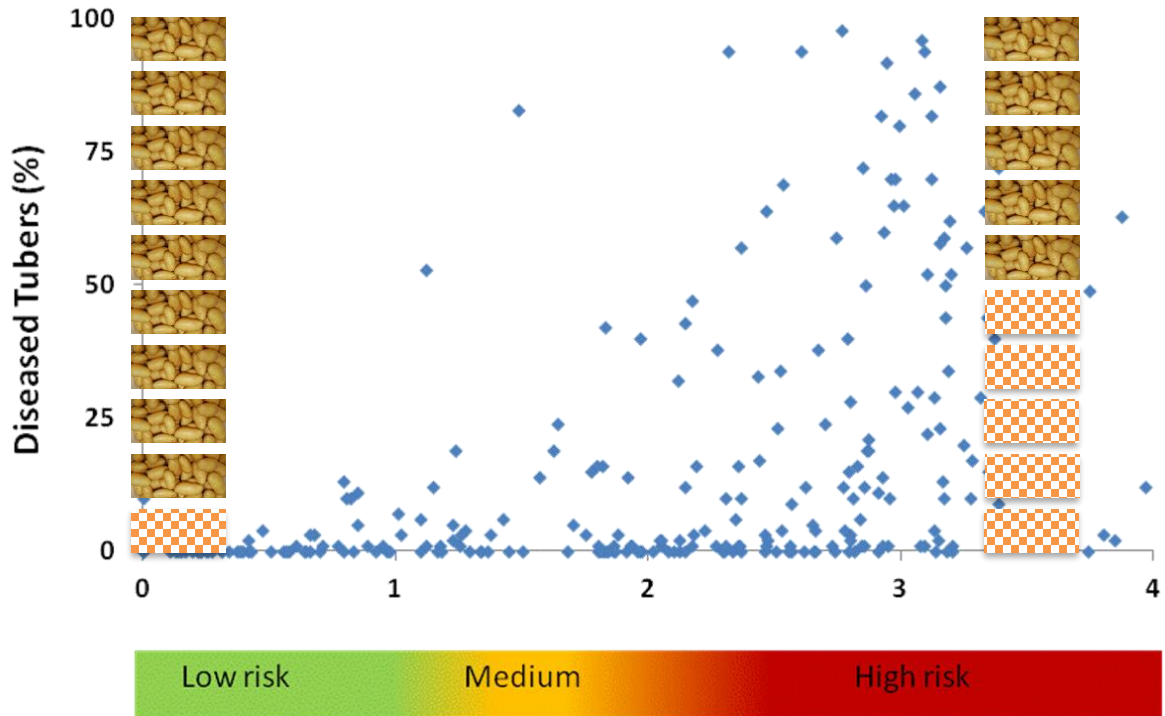
.... to assess risk and  
understand crop performance

Michael Rettke

6 October



# Risk of disease - Probability



Pre-plant soil inoculum Log (DNA *Spongospora subterranea*)

# Can PREDICTA Pt testing assist?



Can see and quantify  
what the eye cannot

# Risk from soilborne inoculum



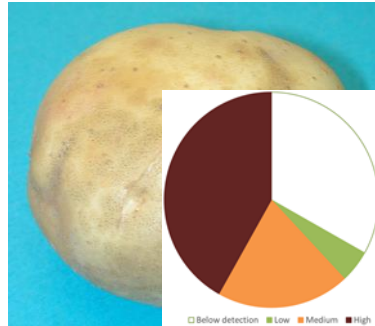
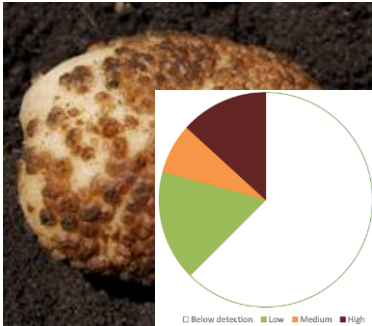
**Powdery scab**

**Black dot**

**Root knot nematode**

**Verticillium wilt**

# Risk from soilborne inoculum



**Powdery scab**

**Black dot**

**Root knot nematode**

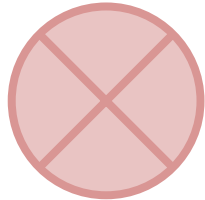
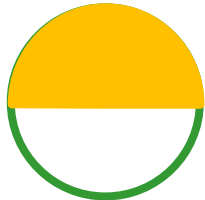
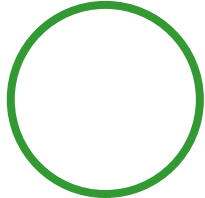
**Verticillium wilt**

# Risk from seedborne inoculum



**Rhizoctonia**  
**Common scab**  
**Silver scurf**

# Achieving the best outcome

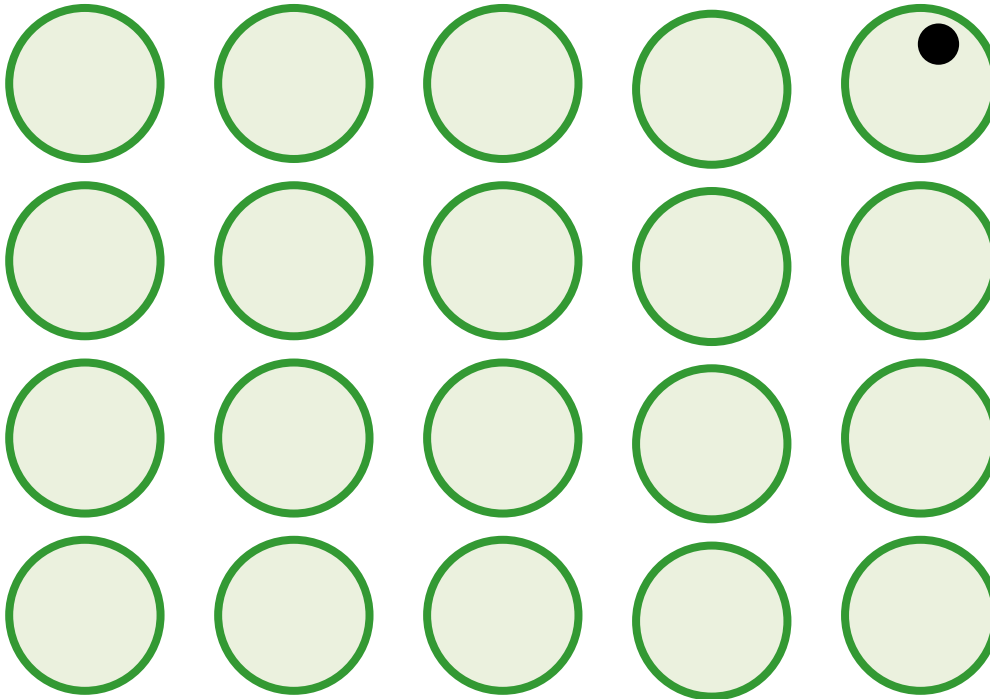


**Right seed  
Right variety  
Right paddocks  
at the Right time**

**Appropriate management  
to the risk**

**Avoiding situations that  
cannot be managed**

# Relative cost of testing





# **Diagnostic tests for soil and seed-borne pathogens**

**Crop management decisions**



**Having a test is a start**