



## exploring the relationship between cropland fires and modern farming.

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### CROPLAND FIRES – THE KNOWLEDGE GAP

↑  
“No-till farming”  
organic matter  
crop productivity  
fire risk??

↓  
Use of firebreaks  
economics  
area of cropped land  
fire risk ??

Crop placement  
• type & flammability  
• asset protection  
• crop rotation

2005 “Wangary” fire  
79,000 hectares < 6 hrs  
9 human deaths

2015 “Pinery” fire  
86,000 hectares < 8 hrs  
2 human deaths

#### RESEARCH DRIVERS:

- Climate change
- Securing food certainty
- Safety of assets, property & animals
- Human well-being and resilience

Photo: the Rockleigh Fire South Australia 2014. Rachel Westcott

