



Drought

- In bad years drought can have a significant effect on yield
- Can exacerbate other issues
- Increasing yields have been masking the problem
- Important to breed varieties to overcome these issues





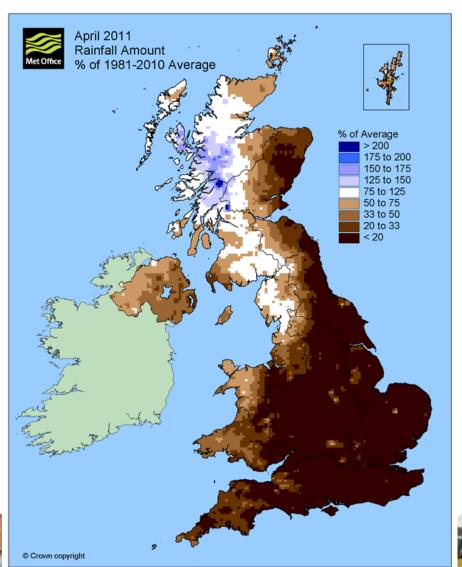
Drought in the UK







Drought in the UK

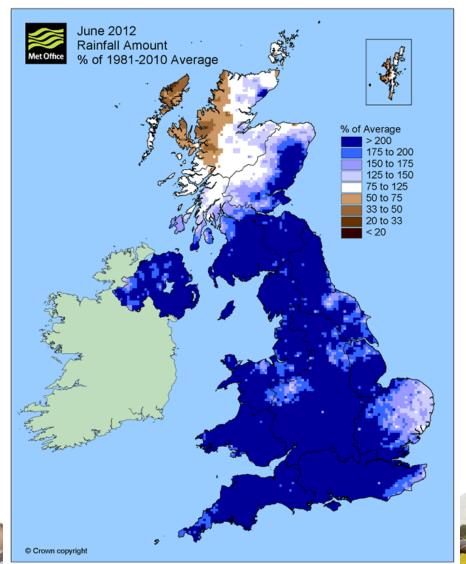








2012!!









Researching drought in the UK







Layout

10m gap

D	48 plots								D
D	≈ 2m x 10 m							D	
D									D

D					D
D					D
D					D

D		D					
D	Allows yield + destructive measurements						
D		D					

D					D
D					D
D					D

Tunnel

Rainfed/Irrigated



The material

- Still open to discussion
- Modeling the effect and timing of drought
 - Necessity of smaller trial means in depth monitoring
- Starch mutants
- Small amount of legume work (for rotation)





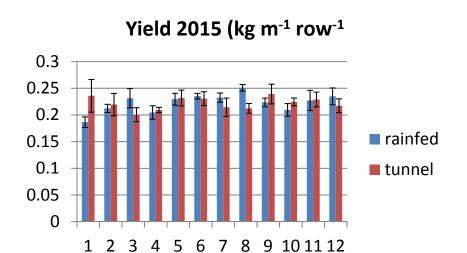
Potential crossovers with other DFW work packages

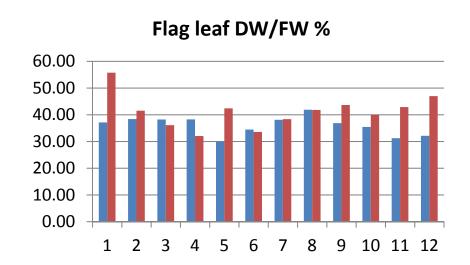
- Modelling
- Root/soil analysis
- Disease
- Remote sensing
- Extreme environments





Previous drought studies









Acknowledgements



Contact:

alison.bentley@niab.com

robert.jackson@niab.com

