

Brighton ChaMP for Water
Protecting our precious groundwater in the South Downs

Welcome

Soils and Nutrients Workshop with Joel Williams


15 November 2018



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Agenda

- 10:00 Welcome and introductions – Susie Howells ChaMP Project Manager
- 10:05 ChaMP project and rural incentives – Shai Gilad ChaMP CSFO (NE)
- 10:15 Southern Water grant schemes – Robin Kelly (Southern Water)
- 10:25 Part 1 - Fundamentals of soil health - Joel Williams
- 11:35 Part 2 - Practical soil demonstration - Joel Williams
- 12:15 Break
- 12:25 Part 3 - Integrated Nitrogen Management - Joel Williams
- 13:15 Discussion and feedback – Susie Howells ChaMP Project Manager
- 13:30 Buffet Lunch
- 14:00 Close



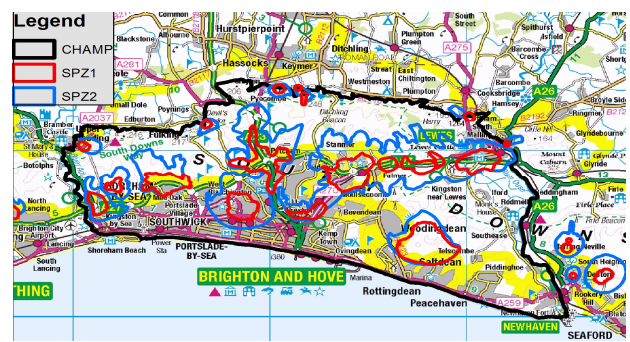

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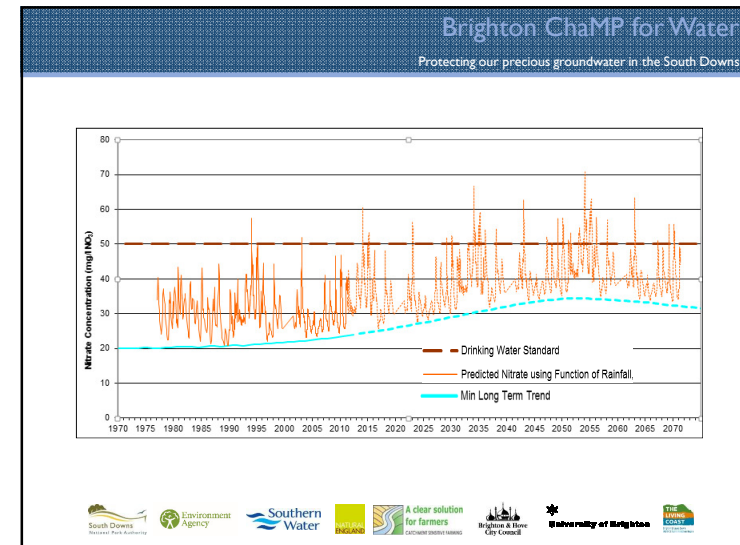
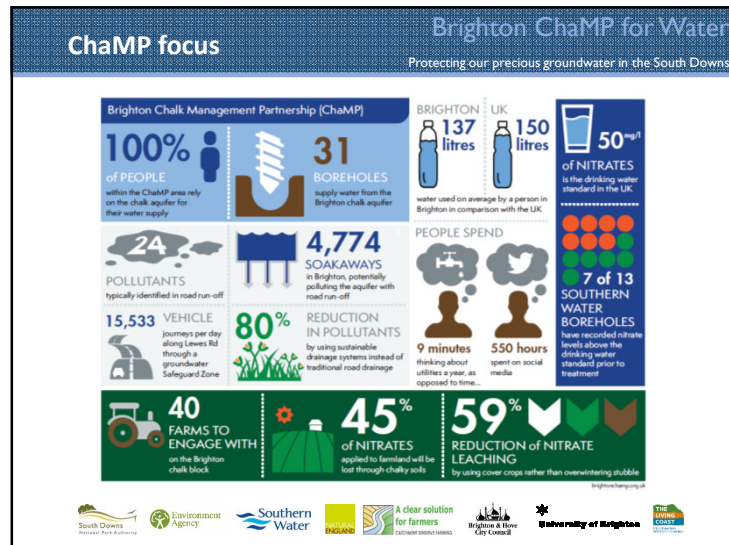
ChaMP Project and Rural Incentives

Shai Gilad ChaMP CSFO (NE)



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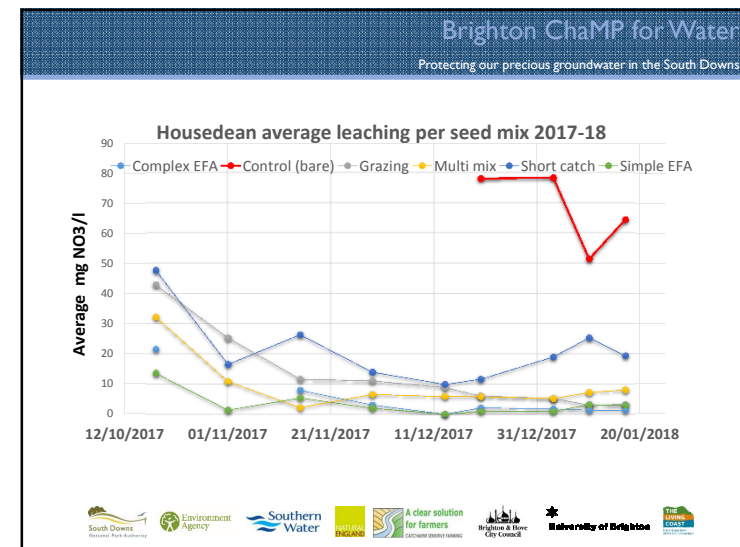


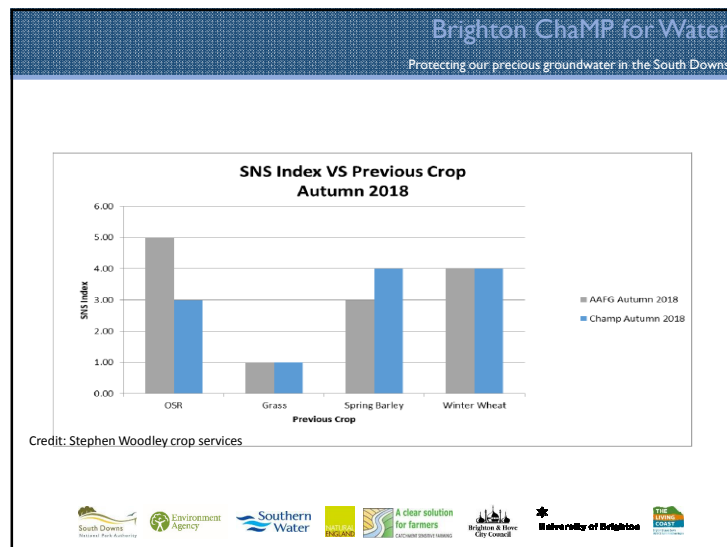
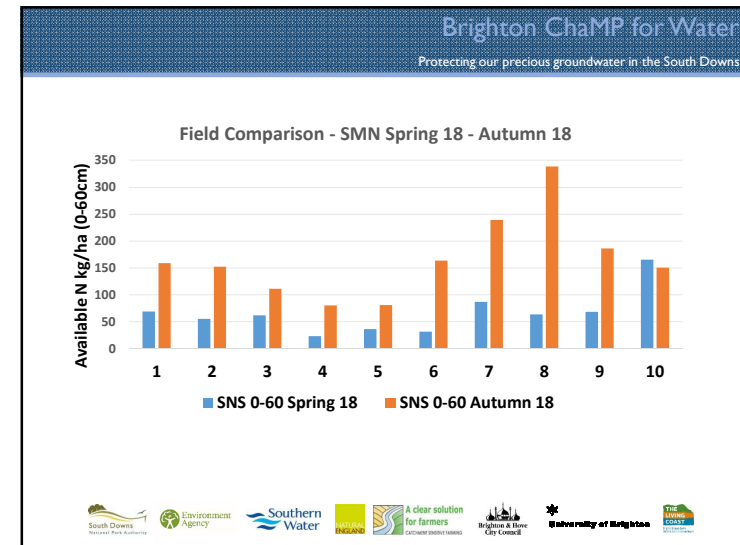
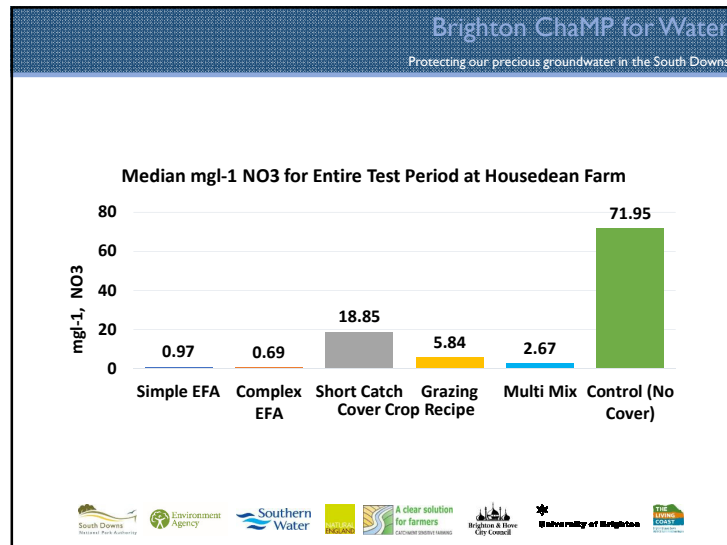
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What have we done	What did we learn
1 to 1 farm visit with over 30 farm holdings	<ul style="list-style-type: none"> Farms follow good practice Majority of farms in environmental stewardship. Farms are open for improvements where possible
Specialist advice where needed	
Cover Crop trials and training	<ul style="list-style-type: none"> Cover Crops reduce N leaching There is potential and interest to include cover crops in the farm system
Offered Rural measures for high priority farms	<ul style="list-style-type: none"> Great uptake Very high Residual available nitrogen post harvest Over 100 Ha of cover crops drilled this winter
<ul style="list-style-type: none"> SMN Sampling in Spring and Autumn Cover the Establishment and seed cost of cover crops 	

Logos: South Downs National Park Authority, Environment Agency, Southern Water, Brighton & Hove City Council, University of Brighton, The Food Chain Coalition.





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We need to do more to reduce nitrate leaching


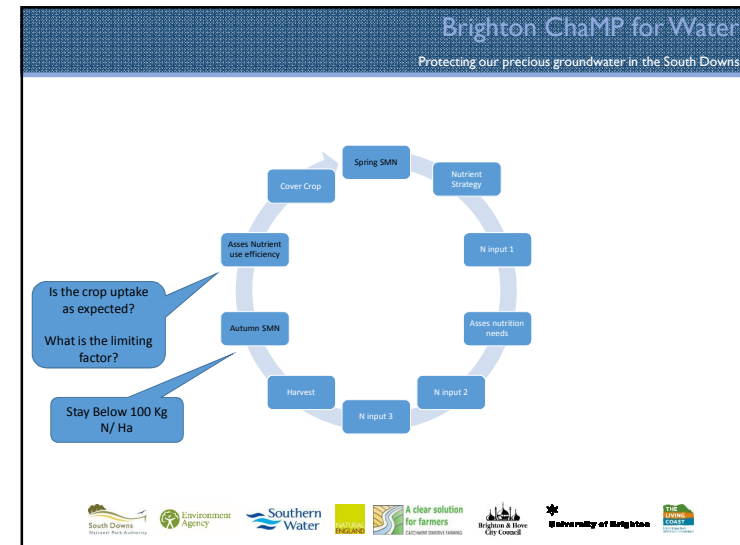
- Tissue and soil testing for trace elements?
- Precision technology (N-Tester, N-Sensor, precision N)?
- Foliar application?
- Input reduction strategies?
- Other ideas?

Logos: South Downs National Park Authority, Environment Agency, Southern Water, Nuffield Institute for Food, A clear solution for farmers, Brighton & Hove City Council, University of Brighton, The Food Co-Op.

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ChaMP plans for the coming months

Winter – N leaching from porous pots
 Early Spring – SMN Tests on all eligible fields
 Spring training – Review of SMN and Porous pots data so far and specialist workshop on N use efficiency
 Summer - Foliar N trial - TBC
 Summer - reduced input trial – TBC


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Southern Water Grant Schemes
Robin Kelly
Southern Water



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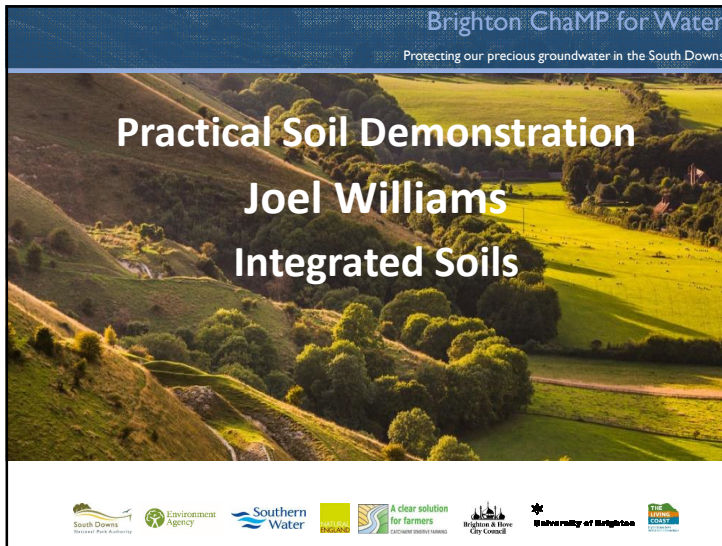
Fundamentals of Soil Health
Joel Williams
Integrated Soils



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Practical Soil Demonstration

Joel Williams
Integrated Soils

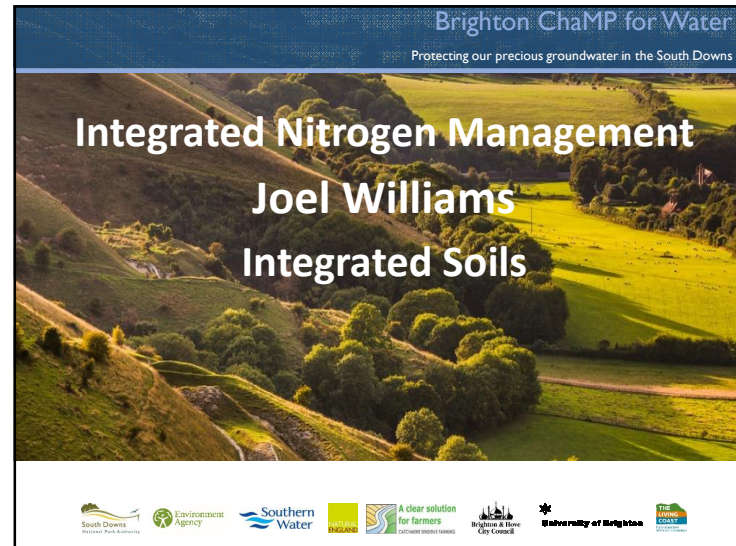


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Integrated Nitrogen Management

Joel Williams
Integrated Soils



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Discussion and Feedback



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Thanks



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