Will Precision Farming Change The Face of UK Agriculture?

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Farm Manager Overbury Farms
2013 Nuffield Scholar

Precision Farming

Definition

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Benefits

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Applications

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Case studies

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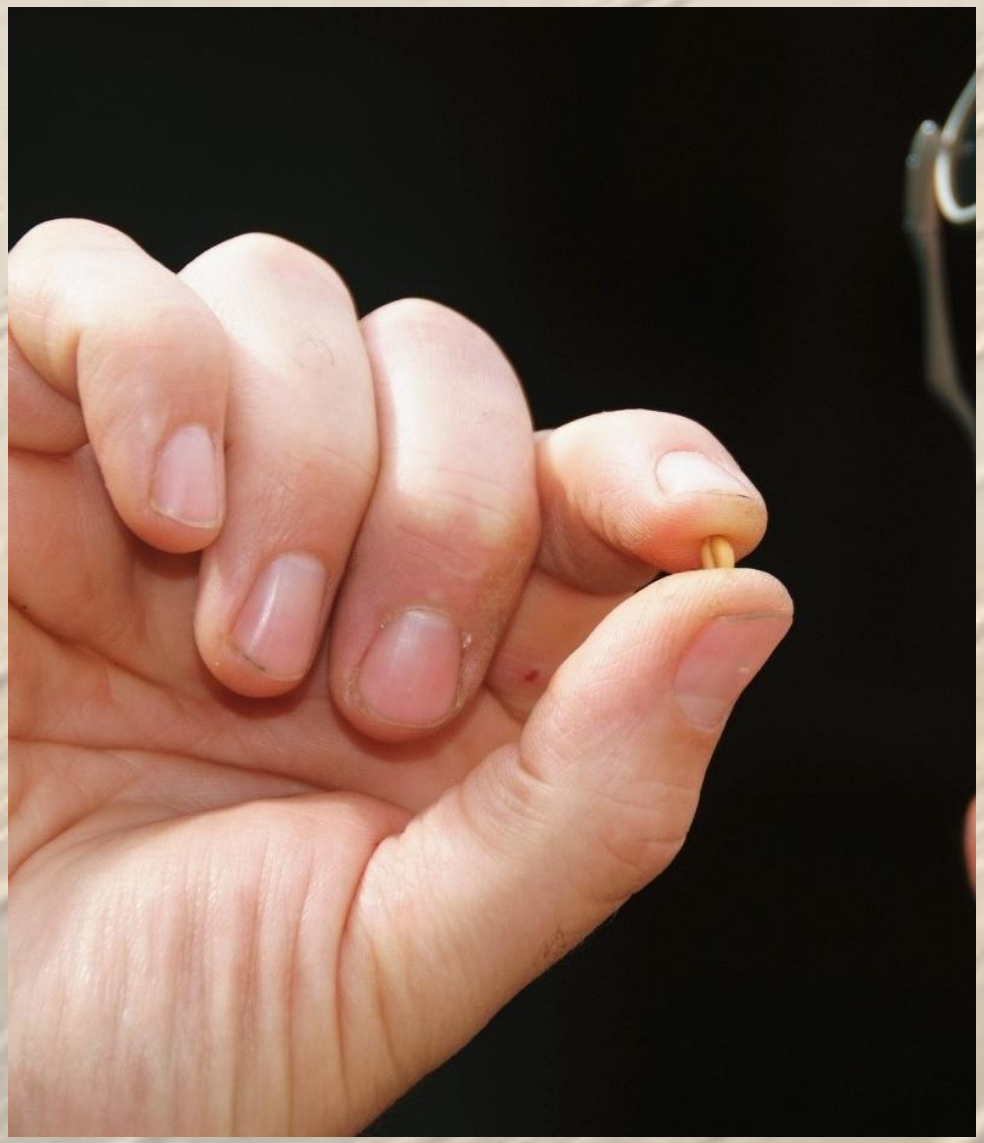
Definition



Definition

Definition

Definition


12/1945
1945
2007
N
Image © 2012 The GeoInformation Group
© 2012 Google
Google earth
Imagery Date: 1/1/1945
1945
52°00'50.23" N 2°03'28.54" W elev 27 m
Eye alt 603 m

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12/1945
1945
2007
Image © 2012 The GeoInformation Group
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Google earth
Imagery Date: 1/1/1945
1945
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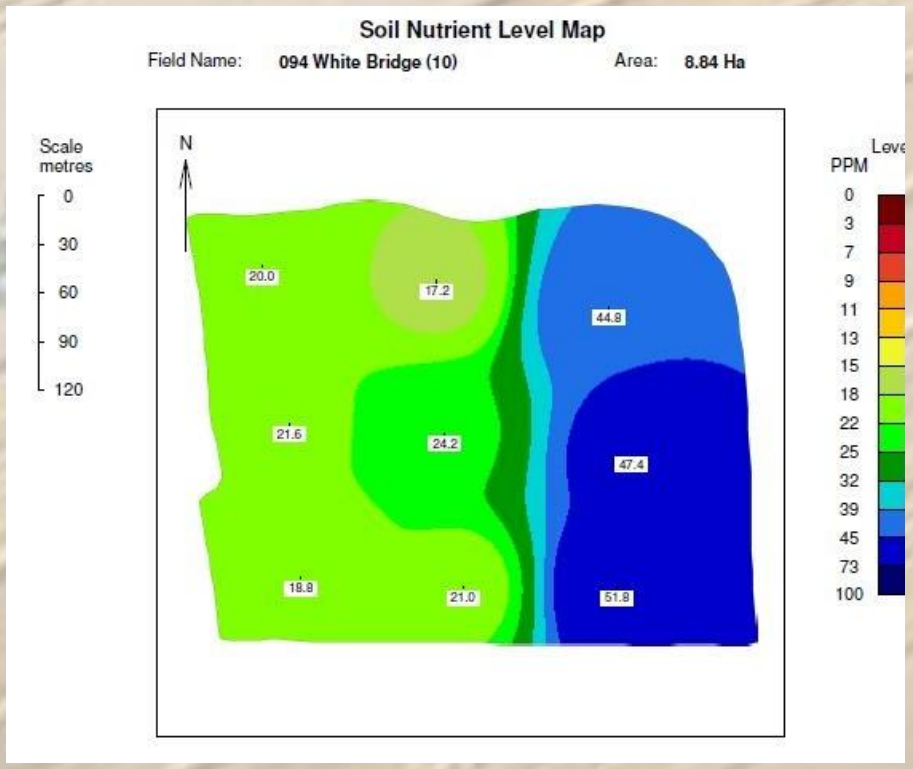
Soil Nutrient Level Map
Field Name: 094 White Bridge (10)
Area: 8.84 Ha
Scale metres
0
30
60
90
120
N
20.0
17.2
44.8
21.6
24.2
47.4
18.8
21.0
51.8
PPM
0
3
7
9
11
13
15
18
22
25
32
39
45
73
100

Benefits

Benefits

Benefits

MOLSON Coors

CONSERVATION GRADE
Nature friendly farming®

Unilever

FARM FOR LIFE
SAINSBURY'S FARMING PARTNERSHIP

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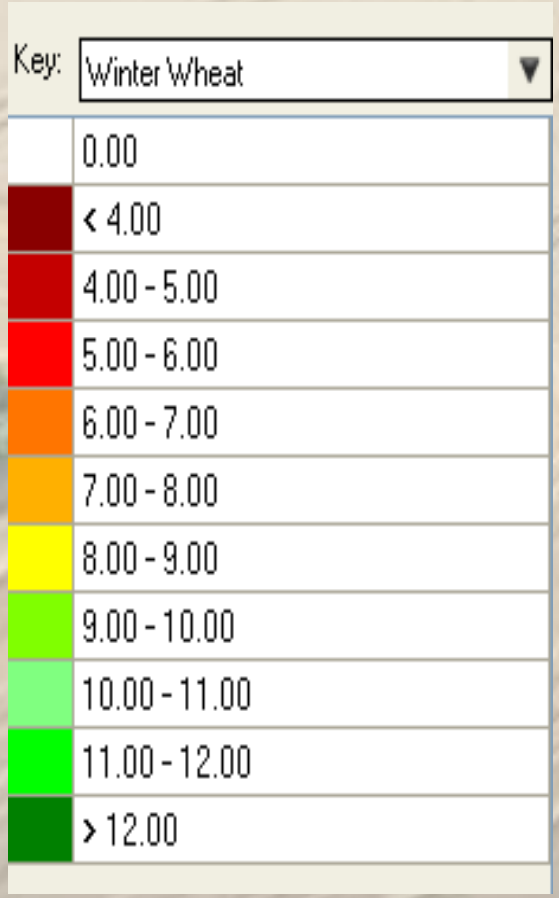
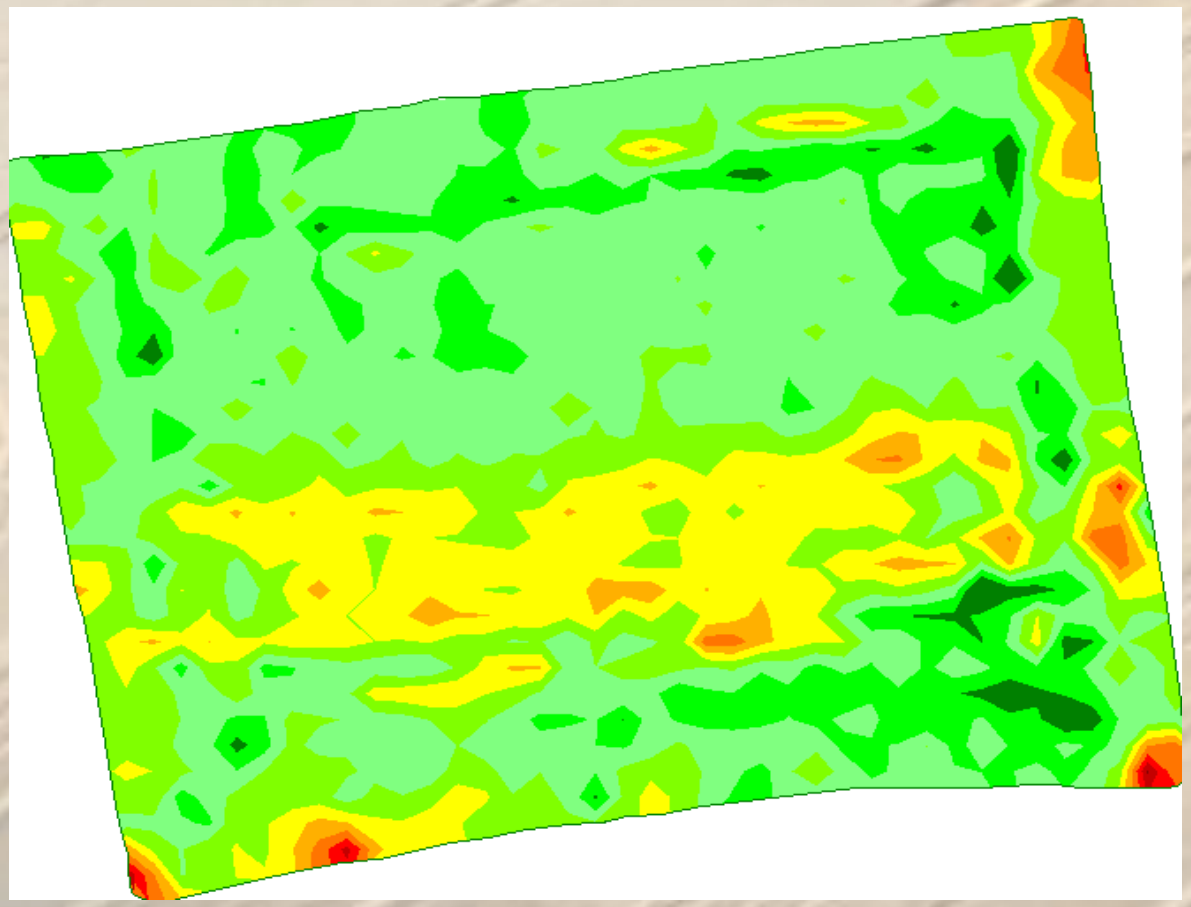
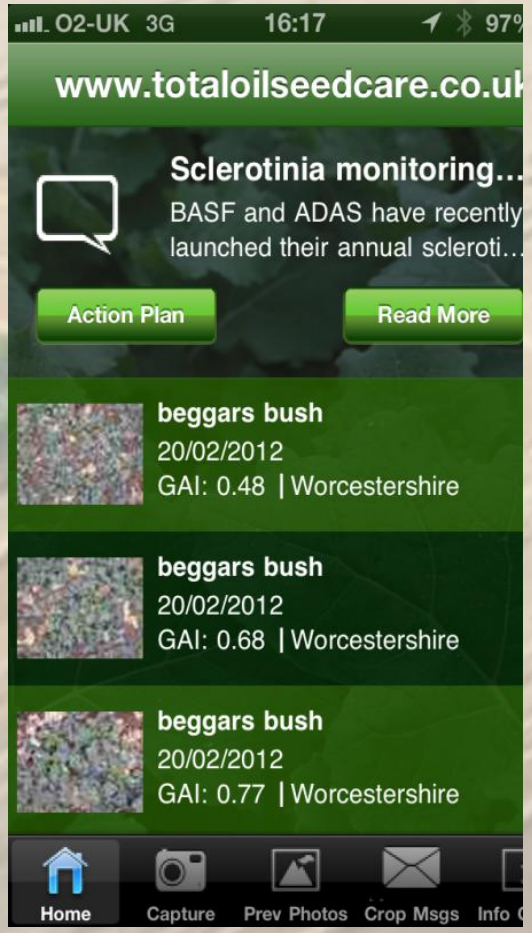
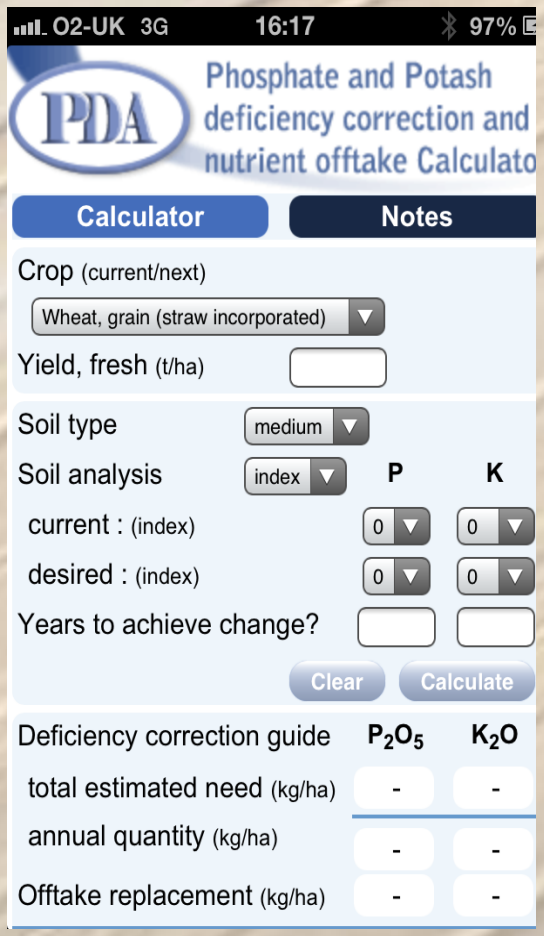




Applications





Applications

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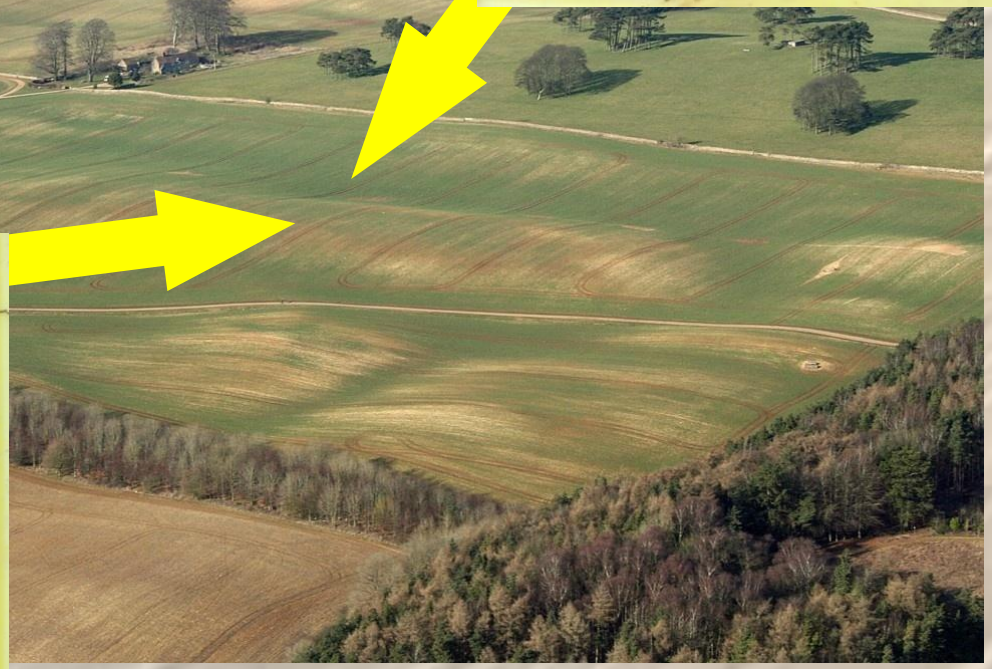
Case study 1

1,560 Hectare Arable Farm

Case study 1

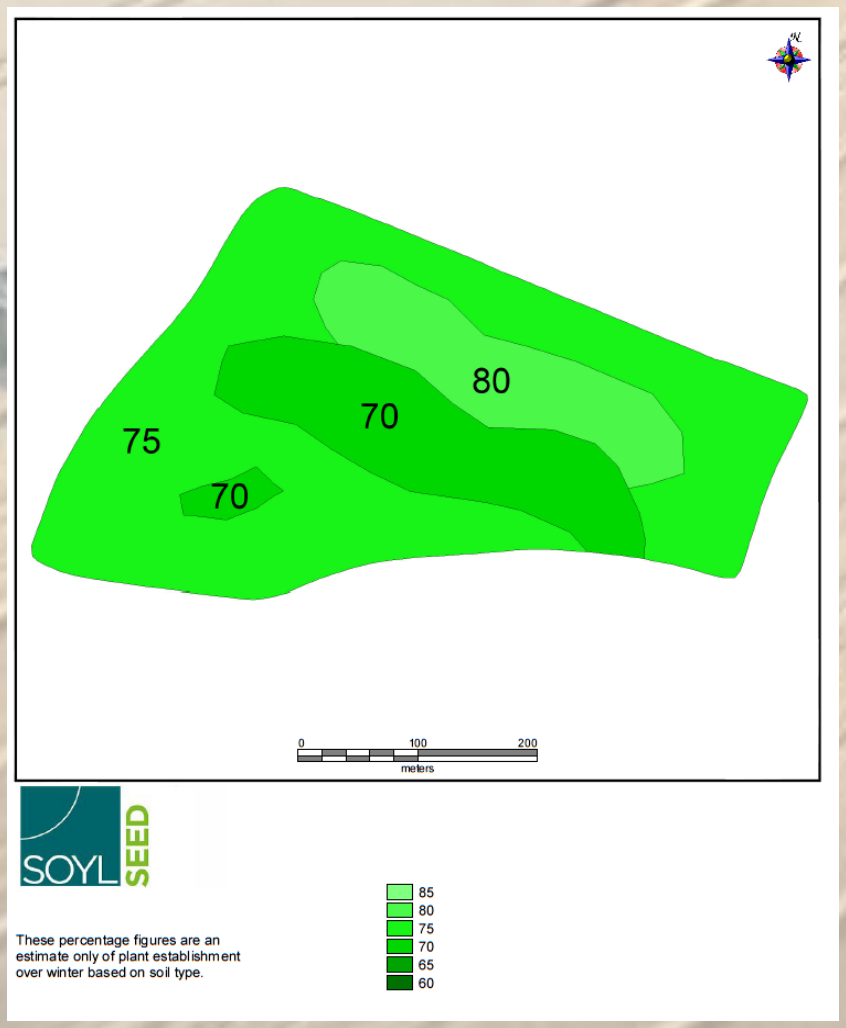


Case study 1

Case study 1

Field Conductivity Map

Seed Establishment Plan

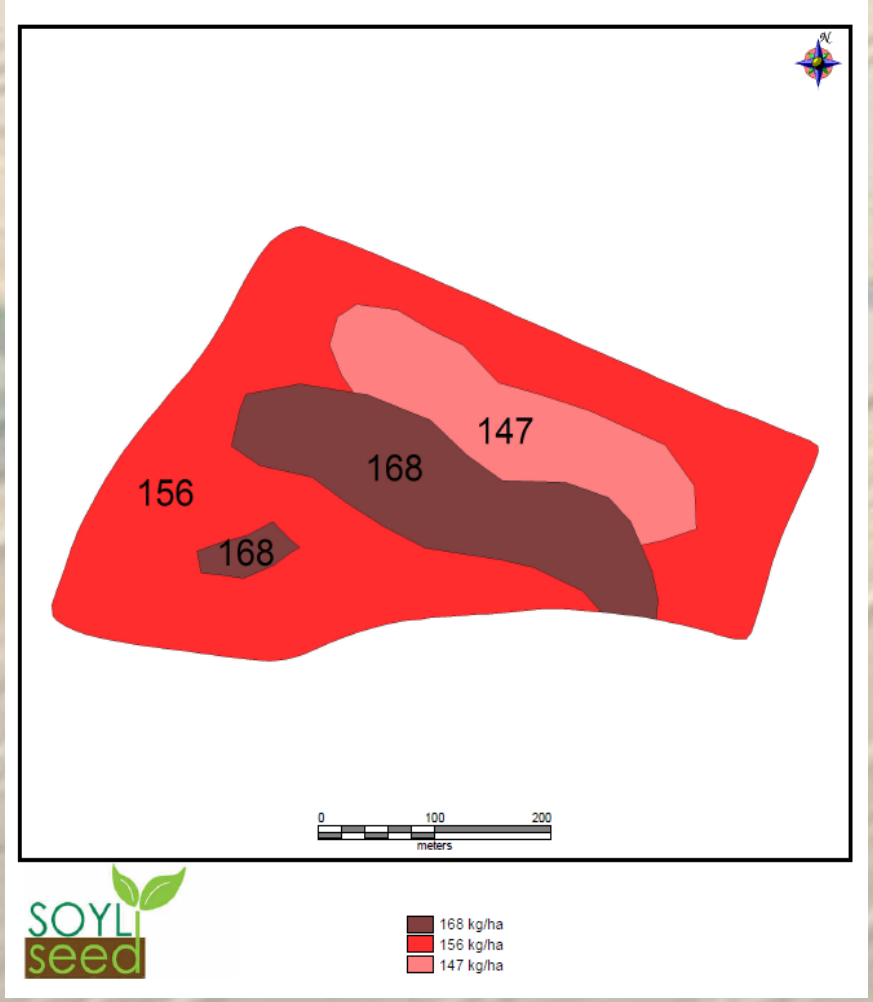


Case study 1

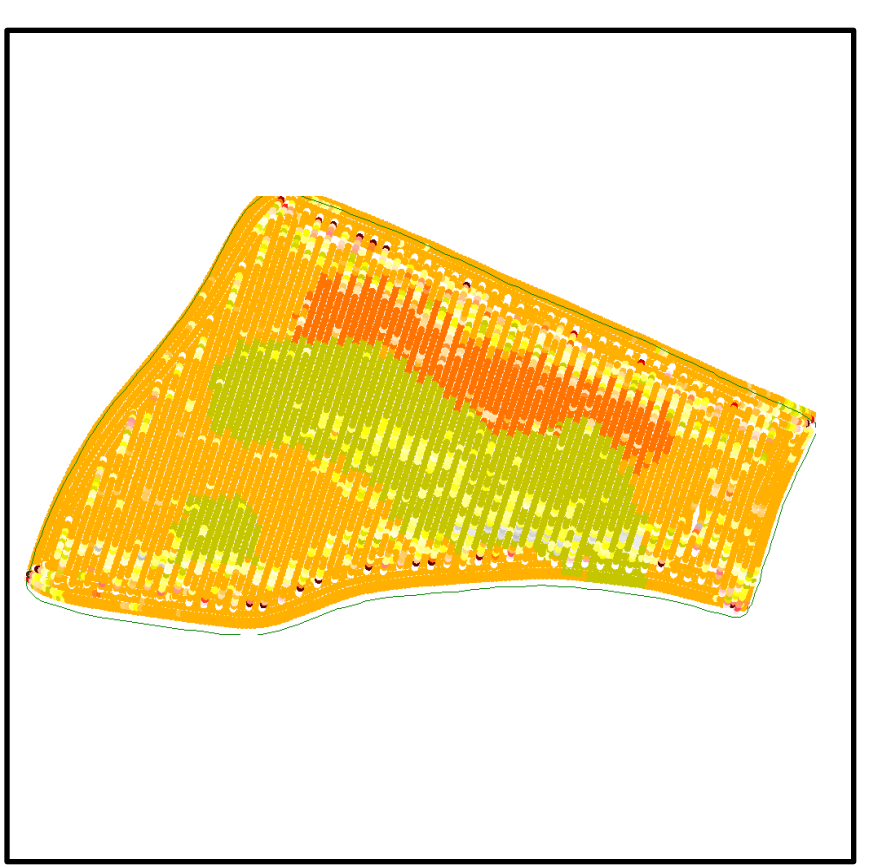
Variable Seed Rate in Action

Case study 1

Seed Rate Plan



Seed Rate Actual



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Case study 2

360 Hectare Single Operator Farm

Case study 2

Case study 2

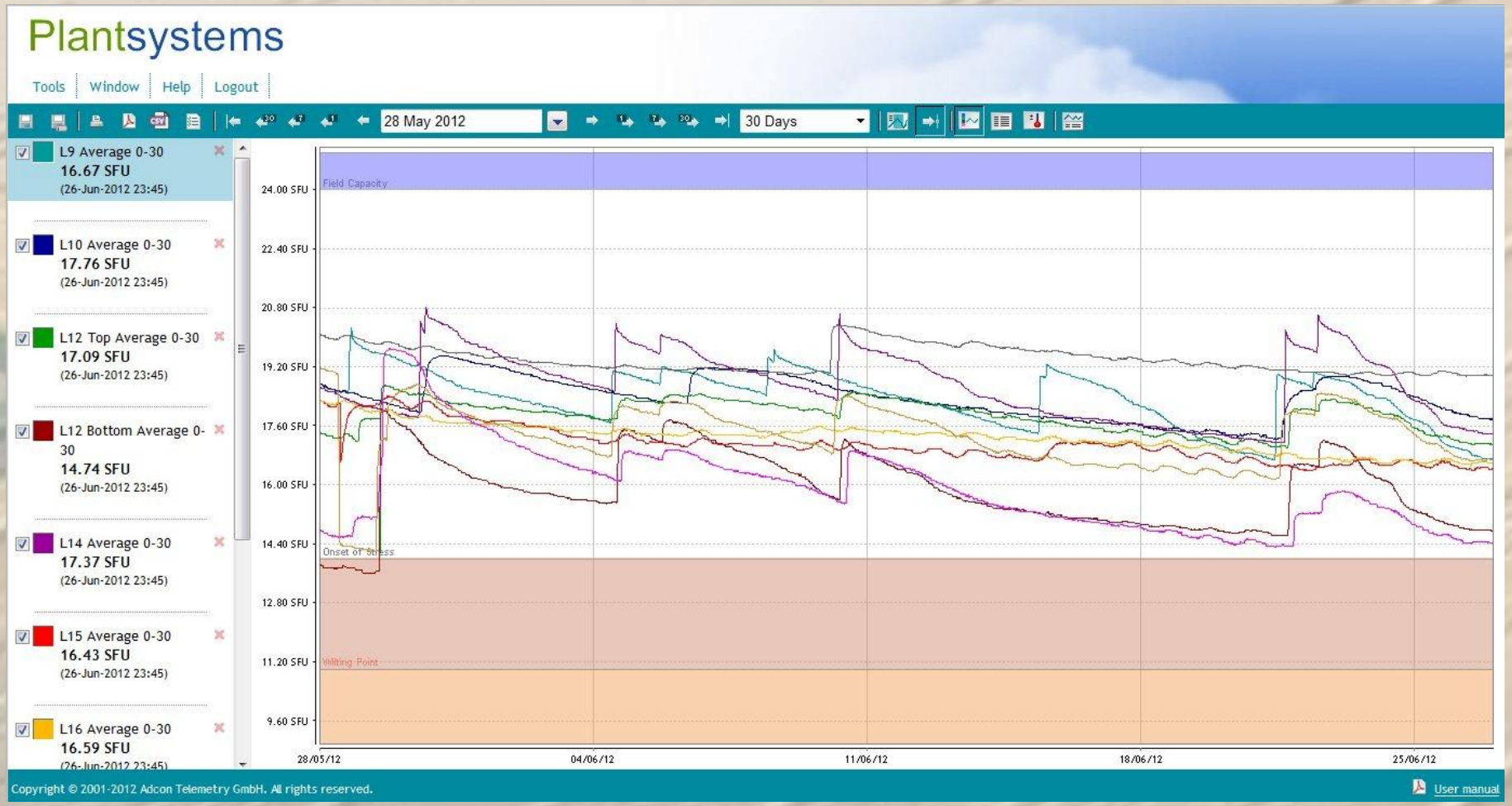
Case study 2

Case study 3

Large Scale Niche Grower

Case study 3

Case study 3


Plantsystems
Tools
Window
Help
Logout
28 May 2012
30 Days
L9 Average 0-30
16.67 SFU
(26-Jun-2012 23:45)
L10 Average 0-30
17.76 SFU
(26-Jun-2012 23:45)
L12 Top Average 0-30
17.09 SFU
(26-Jun-2012 23:45)
L12 Bottom Average 0-30
14.74 SFU
(26-Jun-2012 23:45)
L14 Average 0-30
17.37 SFU
(26-Jun-2012 23:45)
L15 Average 0-30
16.43 SFU
(26-Jun-2012 23:45)
L16 Average 0-30
16.59 SFU
Field Capacity
Onset of Stress
Wilting Point
24.00 SFU
22.40 SFU
20.80 SFU
19.20 SFU
17.60 SFU
16.00 SFU
14.40 SFU
12.80 SFU
11.20 SFU
9.60 SFU
28/05/12
04/06/12
11/06/12
18/06/12
25/06/12
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User manual

Case study 3


11_BC
10_BC
1_BC
BC_1b
12_BC
BC_2b
2_BC
BC_1a
BC_3b
6_BC
13_BC
3_BC
BC_2a
BC_4b
7_BC
BC_3a
15_BC
BC_5b
4_BC
8_BC
BC_4a
5_BC
9_BC
BC_5a
14_BC
Bluecoats Proposed GW location
Bluecoats_GW_poly
0
25
50
100
Metres
N

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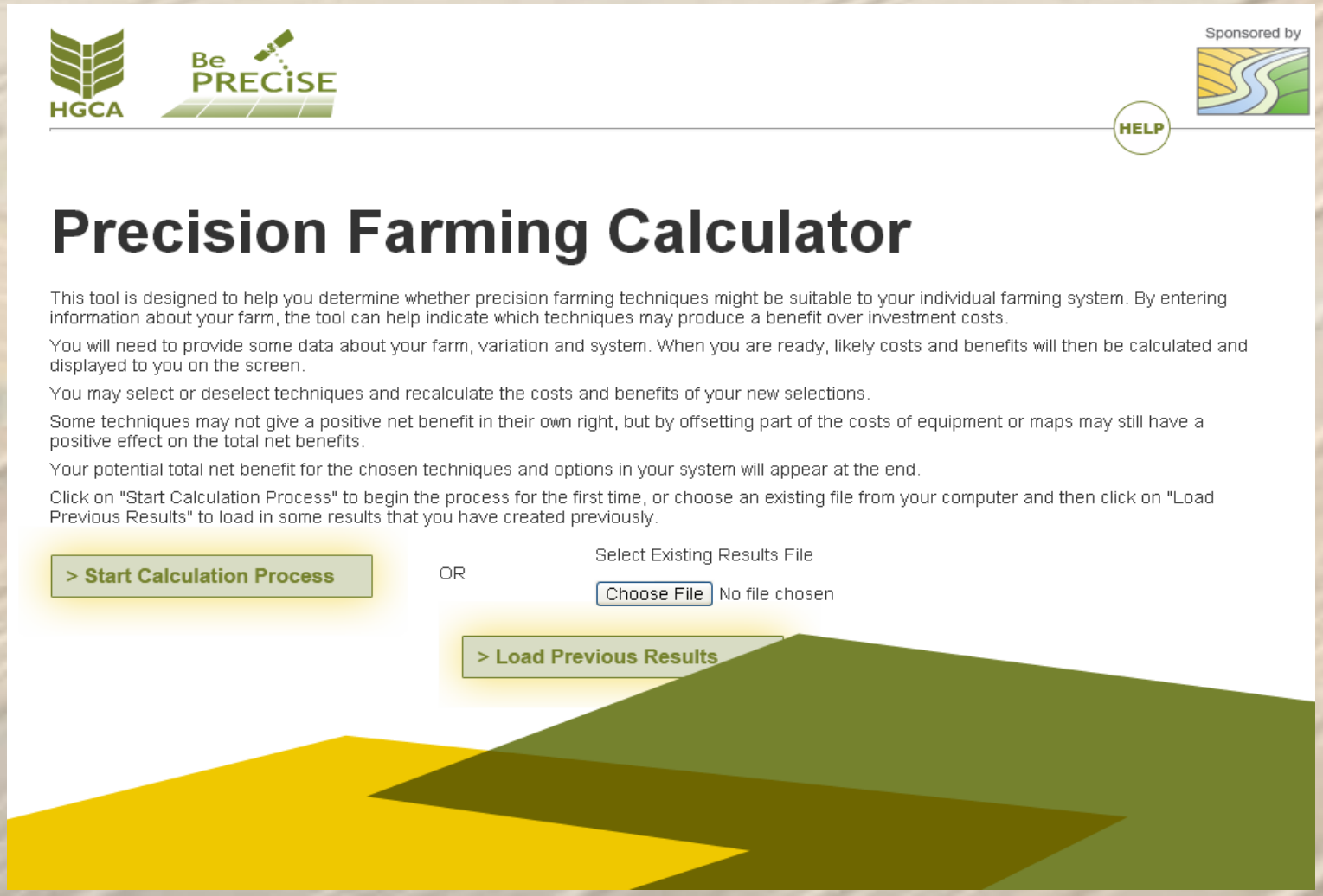
HGCA
Be PRECiSE
Sponsored by
HELP
Precision Farming Calculator
This tool is designed to help you determine whether precision farming techniques might be suitable to your individual farming system. By entering information about your farm, the tool can help indicate which techniques may produce a benefit over investment costs.
You will need to provide some data about your farm, variation and system. When you are ready, likely costs and benefits will then be calculated and displayed to you on the screen.
You may select or deselect techniques and recalculate the costs and benefits of your new selections.
Some techniques may not give a positive net benefit in their own right, but by offsetting part of the costs of equipment or maps may still have a positive effect on the total net benefits.
Your potential total net benefit for the chosen techniques and options in your system will appear at the end.
Click on "Start Calculation Process" to begin the process for the first time, or choose an existing file from your computer and then click on "Load Previous Results" to load in some results that you have created previously.
> Start Calculation Process
OR
Select Existing Results File
Choose File
No file chosen
> Load Previous Results

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