



Shumei Natural Agriculture Yatesbury Farm The Impact on Soil Health

Shumei International
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REPORT

Report No. 42613	Cropping: Kale Grazed into Kale Grazed	Farm Details: SHUMEI UK 3 YATESBURY HOUSE FARM COTTAGES CALNE SOIL	Client: ANALYSIS SERVICES DIRECT NRM LABORATORIES COOPERS BRIDGE BRAZIER'S LANE BRACKNELL BERKS	R600
Sample No. 422367	Field Area: .3 Ha			
Sample Ref. KALE				
Date Received: 06/02/2019	Date Reported: 14/02/2019			

Soil Chemical Analysis

	Index	Result	Low	Marginal	Target	Marginal	High	
1 P	4	66.4 mg/l						
K	2+	208 mg/l						
Mg	3	108 mg/l						
Organic Matter (LOI)		6.7%						

Soil pH	7.2	Very Acid	Acid	Neutral	Alkali	Very Alkali

Where no future crop code has been given, levels are calculated assuming an arable crop. If general fertilizer and lime recommendations have been requested, these are given on the following sheets. The analytical methods used are as described in DEFRA Reference Book 427. The index values are determined from the DEFRA Fertiliser Recommendations R8209 9th Edition.

Microbial Activity

	Index	Result	Very Low	Low	Moderate-Low	Moderate	High	Very High	
2 CO ₂ Burst	5.0	166 mg/kg							

Potential N Mineralisation (kg/ha/yr) - Based on CO₂ Burst:

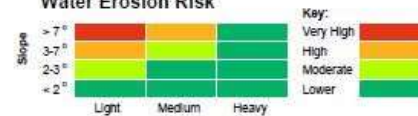
Very Low (<15)	Low (15-25)	Moderate-Low (25-45)	Moderate (45-75)	High (75-105)	Very High (105-123)
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Textural Classification

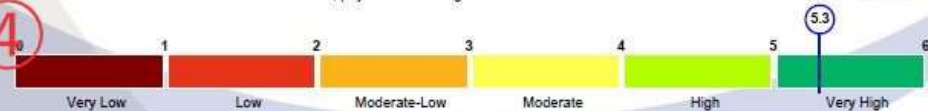


Breakdown:	Sand 37%	Silt 48%	Clay 15%
Soil Textural Class:	Sandy Silt Loam		
Major Soil Classification:	Medium		
Slope:	0°		

Water Erosion Risk



Soil Health Index - Based on soil chemical, physical and biological results:



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 Registration Number: 09002711

PAAG
 Professional Agricultural Analysis Group

REPORT (Continued)

Report No. 74049	Cropping: Courgettes into Courgettes	Farm Details: SHINYA IMHASHI 3 YATESBURY HOUSE FARM SOIL	Client: ANALYSIS SERVICES DIRECT COTTINGBEL LABORATORIES COOPERS BRIDGE BRAZERS LANE BRACKNELL BERKS	RS00
Sample No. 456835	Field Area: .03 Ha			
Sample Ref. COURGETTE				
Date Received: 15/10/2019	Date Reported: 22/10/2019			

Soil Chemical Analysis

	Index	Result	Low	Marginal	Target	Marginal	High	
P	4	61.0 mg/l						
K	2-	134 mg/l						
Mg	3	115 mg/l						
Organic Matter (LOI)		6.9%						

	Very Acid	Acid	Neutral	Alkali	Very Alkali
Soil pH			7.3		

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Microbial Activity

	Index	Result	Very Low	Low	Moderate-Low	Moderate	High	Very High	
CO₂ Buret	4.8	115 mg/kg							

Potential N Mineralisation (kg/ha/yr) - Based on CO₂ Buret

■ Very Low (<15)
 ■ Low (15-25)
 ■ Moderate-Low (25-45)
 ■ Moderate (45-75)
 ■ High (75-105)
 ■ Very High (105-125)

Textural Classification



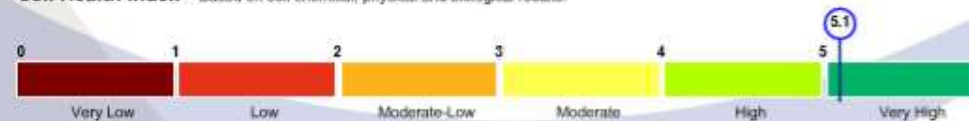
Breakdown:	Sand 17%	Silt 57%	Clay 26%
Soil Textural Class:	Silty Clay Loam		
Major Soil Classification:	Medium		
Calcium Carbonate Content:	<1% Non-calcareous		
Slope:	20 °		

In very calcareous soils (>10% calcium carbonate) the silt and clay sized fractions are likely to contain particles of carbonate which may result in the incorrect classification of soil type.

Water Erosion Risk

Slope	Light	Medium	Heavy	Key:
> 7 °				Very High
3-7 °				High
2-3 °				Moderate
< 2 °				Lower

Soil Health Index - Based on soil chemical, physical and biological results.



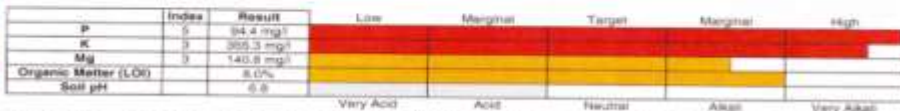


2014 ジャガイモ Potato



Report No. 52885	Cropping: Potatoes Main into Potatoes Main	Farm Details: SHIYU IMAHASHI 3 YATESBURY FARM COTTAGES SOLE	Client: SOIL ANALYSIS OFFER 2014 SOIL ASSOCIATION SOUTH PLAZA MARLBOROUGH STREET BRISTOL BS1 2JX
Sample No. 204450	Field Area: .01 Ha		NBS02
Sample Ref. SHIYU YATESBURY P			
Date Received: 24/11/2014	Date Reported: 01/12/2014		

Soil Chemical Analysis



Where no future crop code has been given, levels are calculated assuming an arable crop. If general fertilizer and lime recommendations have been requested, these are given on the following sheets. The analytical methods used are as described in DEFRA Reference Book 427. The index values are determined from the DEFRA Fertiliser Recommendations (FR0706) tables.

Microbial Activity



Potential N Mineralisation (kg/ha/yr) - Based on CO₂ Burst

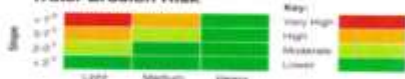


Textural Classification

- Heavy Soil
- Medium Soil
- Light Soil

Breakdown:	Sand 43%	Silt 39%	Clay 18%
Soil Textural Class:	Sandy Silt Loam		
Class:	Medium		
Major Soil Classification:	Medium		
Slope:	3°		

Water Erosion Risk



Soil Health Index - Based on soil chemical, physical and biological results.



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Registration No. 1120207

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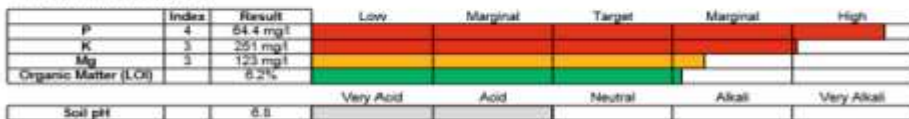
2019 potato



REPORT

Report No. 74049	Cropping: Potatoes Main into Potatoes Main	Farm Details: SHIYU IMAHASHI 3 YATESBURY HOUSE FARM COTTAGES SOLE	Client: ANALYSIS SERVICES DIRECT COTTELE LABORATORIES COOPERS BRIDGE BRAZERS LANE BRACKNELL BERKS
Sample No. 456834	Field Area: .05 Ha		R600
Sample Ref. POTATO			
Date Received: 15/10/2019	Date Reported: 22/10/2019		

Soil Chemical Analysis



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Microbial Activity



Potential N Mineralisation (kg/ha/yr) - Based on CO₂ Burst

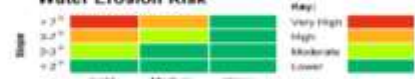


Textural Classification

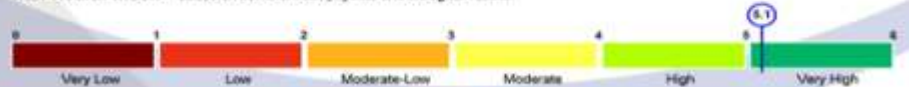
- Heavy Soil
- Medium Soil
- Light Soil

Breakdown:	Sand 19%	Silt 59%	Clay 22%
Soil Textural Class:	Silty Clay Loam		
Major Soil Classification:	Medium		
Calcium Carbonate Content:	<1% Non-calcareous		
Slope:	20°		

Water Erosion Risk



Soil Health Index - Based on soil chemical, physical and biological results.



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