Woburn Experimental Farm Soil and Field Maps

DOI: 10.23637/ws-soil-maps-01

Prepared by: Watts, C. W., Glendining, M.J. and Castells-Brooke, N. I. D, Rothamsted Research, Harpenden, Herts, AL5 2JQ, UK.

Published by: Rothamsted Research

Date: 2017

Description:

- **Page 1:** Cover Page
- **Page 2:** Woburn Experimental Farm Soil Texture
- **Page 3:** Woburn Experimental Farm Soil Series
- **Page 4:** Complete Legend to Soil Series Revised 2017
- **Page 5:** Woburn Farm Field Map
- **Page 6:** Woburn Farm OS map, including Stackyard

Site: Woburn Experimental Station, Latitude 52.02 N, Longitude 0.62 W

Cite as: Watts, C.W., Glendining, M.J. and Castells-Brooke, N.I.D., Rothamsted Research (2017) *Woburn Experimental Farm Soil and Field Maps*. *Rothamsted Research*. 10.23637/ws-soil-maps-01

Funding: Rothamsted Research receives strategic funding from the UK Biotechnology and Biological Sciences Research Council (BBSRC). The Rothamsted Long-term Experiments National Capability is supported by the BBSRC Grant BBS/E/C/000J0300 and the Lawes Agricultural Trust.

A Plan of WOBURN EXPERIMENTAL FARM Scale 1:2500

72 Butt Close	82 Kiln Yard
73 Butt Furlong	83 Great Hill Bottom
76 Lansome Piece	84 Road Piece
77 Mill Dam Close	85 Great Hill
78 Pot Culture Station	86 Honey pot
79 Orchard & Garden	87 Broad Mead
80 House & Buildings	88 Long Mead
81 Stackyard 7 Feeding Boxes	115 Warren Field
	170 Stackyard Field

SOILS	SURFACE TEXTURE	SOILS	SURFACE TEXTURE
BROWN EARTHS { On Re-sorted Lower Greensand; On Sandy Drift	Sand to Loamy Sand — A Loamy Sand to Sandy Loam — B	GLEY SOILS { On Colluvial Lower Greensand / Oxford Clay; On Re-worked Lower Greensand & Oxford Clay; On Re-sorted Oxford Clay; Sandy Drift / Chalky Jurassic Boulder Clay	LoamySand to Sandy Loam — C Loam to Sandy Clay Loam — D Silty Clay Loam to Clay Loam — E Loamy sand to Sandy Loam — F
ALLUVIAL COMPLEXES { Heavy; Light; Undifferentiated & Made Ground	Silty Clay Loam to Clay Loam — G Loam to Sandy Clay Loam — H — J		

Woburn Experimental Farm, Husborne Crawley, Bedford

Woburn Experimental Farm Soil Series Revised legend 2017

Sub-group code	Map Legend	Series Name		Broad description	Approximate texture range	Major Soil Group	Soil Group	Soil Sub-group	Series Description	Approximate correlation at soil group level with US and FAO systems *	
		Old name	Current name							US	FAO
5.51	C	Cottenham	Cottenham	Light	sand to loam sand	Brown Soils	Brown Sands	typical brown sands	ferruginous medium or coarse sandy material passing to sand or soft sandstone	Udipsamments	Cambic and Luvic Arenosols
5.47	S	Stackyard	**Lowlands**	Light	Loamy sand to sand loam	Brown Soils	Brown earths	colluvium brown earth	light loamy non-calcareous colluvium	Dystrochrepts	Dystric and Eutric Cambisols
5.46	F	Flitwick	Flitwick	Light	Loamy sand to sand loam	Brown Soils	Brown earths	gleyic ferritic brown earths	ferruginous light loamy drift with siliceous stones	Dystrochrepts	Dystric and Eutric Cambisols
7.11	H	Husbourne	**Beccles**	Heavy	Loam to sandy clay loam	Surface water Gley Soils	Stagnogley soils	typical stagnogley soils	medium loamy over clayey chalky drift (shallow phase)	Haplaqualfs, Albaqualfs,	Gleyic Luvisol
7.11	Hs	Husbourne	**Beccles**	Heavy	Loam to sandy clay loam	Surface water Gley Soils	Stagnogley soils	typical stagnogley soils	medium loamy over clayey chalky drift	Haplaqualfs, Albaqualfs,	Gleyic Luvisol
7.11	P	Pightle	**Beccles**	Heavy	Loam to sandy clay loam	Surface water Gley Soils	Stagnogley soils	typical stagnogley soils	medium loamy over clayey chalky drift	Haplaqualfs, Albaqualfs,	Gleyic Luvisol
8.11	R	Ridgmont	**Enborne**	Medium	Loam to sandy clay loam	Ground water Gley soils	Alluvial gley soils	typical alluvial gley souls	medium loamy river alluvium	Fluvaquents	Fluvisol
8.11	Ri	Ridgmont	**Enborne**	Medium	Loam to sandy clay loam	Ground water Gley soils	Alluvial gley soils	typical alluvial gley souls	medium loamy river alluvium	Fluvaquents	Fluvisol
5.11	Ro	Rowsham	**Bardsey**	Heavy	Silty clay loam to clay loam	Brown Soils	Brown calcareous earths	typical brown calcarious earths	medium loamy material over calcareous gravel	Eutrochrepts	Calcic Cambisols
4.11	E	Evesham	Evesham	Heavy	clay to clay loam	Pelosol	Calcareous pelosol	typical calcareous	swelling clayey material passing to clay or soft mudstone	Eutrochrepts, Haplaquepts	Gleyic and Calcic Cambisols
8.11	W	Woburn	**Eversley**	Heavy	Silty clay loam to clay loam	Ground water Gley soils	Alluvial gley soils	typical alluvial gley souls	light loamy river alluvium	Fluvaquents	Fluvisol

* Avery, B.W. 1980. Soil classification for England &Wales (Higher catagories). Soil Survey, Tech Monograph 14.

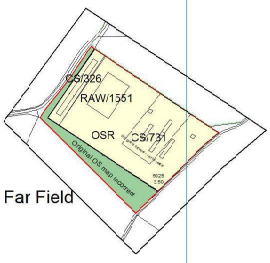
Prepared by Dr Chris Watts, 2017 Based on original soil series map prepared by Professor John Catt

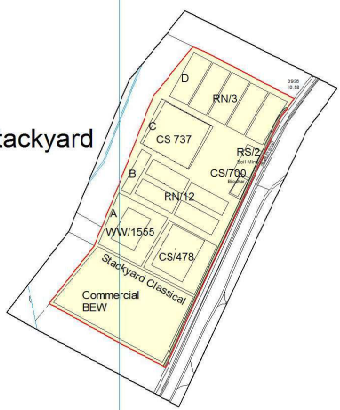
Harpenden, Hertforshire, AL5 2JQ
Tel: 01582 763133 Fax: 01582 760981

Woburn Farm

SCALE:	DATE:
1:10000	10/07/2009

MAP FILE REFERENCE:
Woburn Farm.mpd





Woburn Farm


To farm
I
Far Field
II
To M1 (Junction 13)
To Far Field
Horsepool Field
Bull Field
Workhouse Field
Lower Field
The Pightle
School Field
White Horse Field
II
Lansome
I
III
III
II
Mill Dam Close
I
Long Mead
To M1 (Junction 13)
Warren Field
II
I
II
Horsepool Lane Close
I
To Woburn and Stackyard
A418
Butt Close
Butt Furlong
Broad Mead
III
IV
I
II
Great Hill Bottom
I
Honey Pot
Road Piece
III
Great Hill
I
II
To Ampthill
N
Stackyard
III
II
I
II
I
A
B
C
D
To farm
Woburn Sands
To Bedford
F
S
X
M1
Husborne Crawley
Woburn
WOBURN PARK
X Experimental Farm
S Stackyard Field
F Far Field