

AGRICULTURAL LAND CLASSIFICATION  
LEEDS UDP, TOPIC 345 & 367  
GUISELEY  
WEST YORKSHIRE  
JUNE 1995

ADAS  
Leeds Statutory Group

Job Nos :- 111/95 & 143/95  
MAFF Ref:- EL 49/13  
Commission No :- 1905

2FS 10798

## SUMMARY

A detailed Agricultural Land Classification survey of two sites west of Ings Lane, Guiseley, West Yorkshire (ref. Leeds UDP, Topic 345 and 367) was carried out in June 1995.

Agricultural land on both sites was under permanent pasture.

Soils on the sites are boulder clay derived, slowly permeable, clayey, poorly drained and subject to a significant soil wetness limitation.

The site next to the Ings Hotel, Topic 367, was all Subgrade 3b. Soil wetness and workability problems limit the ALC grade. The site measures 4.3 ha.

The land adjacent to New Birks Farm, topic 345, was also all Subgrade 3b, again limited by soil wetness and measures 6.5 ha. Farm buildings occupy a further 0.3 ha.

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1. AGRICULTURAL LAND CLASSIFICATION

AGRICULTURAL LAND CLASSIFICATION REPORT ON SITES AT GUISELEY, WEST YORKSHIRE, TOPIC 345 AND 367, LEEDS UDP

1. INTRODUCTION AND SITE CHARACTERISTICS

1.1 Location and Survey Methods

Two sites west of Ings Lane, Guiseley were surveyed in June 1995. Soils on the site were examined by hand auger borings at 100 m intervals predetermined by the National Grid. Soil pits allowed profiles to be described in greater detail. Land quality was assessed using the methods described in "Agricultural Land Classification of England and Wales. Revised guidelines and criteria for grading the quality of agricultural land " (MAFF, 1988).

1.2 Land Use and Relief

At the time of the survey, both sites were under permanent pasture. The sites are level or gently sloping with an average altitude of 140 m AOD.

1.3 Climate

The two sites are within 300 m and one set of climate data has been used to describe them both.

Grid Reference	:	SE 182 427
Altitude (m)	:	140
Accumulated Temperature above 0°C (January - June)	:	1257 day°C
Average Annual Rainfall (mm)	:	809
Climatic Grade	:	2
Field Capacity Days	:	204
Moisture Deficit (mm) Wheat	:	81
Moisture Deficit (mm) Potatoes	:	65

#### 1.4 Geology, Soils and Drainage

Soils on both sites are developed from boulder clay drift. Solid Upper Carboniferous deposits are not exposed within a metre of the surface. Topsoils are medium textured over gleyed, slowly permeable, clayey subsoils. Profiles are soil Wetness Class IV, poorly drained, and the land is subject to significant soil wetness and workability limitations.

2 AGRICULTURAL LAND CLASSIFICATION. TOPIC 345

The ALC grades occurring on this site are as follows:

<u>Grade/Subgrade</u>	<u>Hectares</u>	<u>Percentage of Total Area</u>
1		
2		
3a		
3b	6.5	96
4		
5		
(Sub total)	(6.5)	(96)
Urban		
Non Agricultural		
Woodland		
Agricultural Buildings	0.3	4
Open Water		
Land not surveyed		
(Sub total)	(0.3)	(4)
	_____	_____
TOTAL	4.3	100
	_____	_____

2 AGRICULTURAL LAND CLASSIFICATION. TOPIC 367

The ALC grades occurring on this site are as follows:

<u>Grade/Subgrade</u>	<u>Hectares</u>	<u>Percentage of Total Area</u>
1		
2		
3a		
3b	4.3	100
4		
5		
(Sub total)	(4.3)	(100)
Urban		
Non Agricultural		
Woodland		
Agricultural Buildings		
Open Water		
Land not surveyed		
(Sub total)		
	_____	_____
TOTAL	4.3	100
	_____	_____

2.1 Subgrade 3b

All the agricultural land on both sites is Subgrade 3b. Significant soil wetness and workability problems limit the ALC grade of this land.

2.2 Farm Buildings

The semi derelict farm house and buildings at New Birks Farm (Topic 345) were mapped off separately.

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RPT Files : 2FCS 10778 and 2FCS 10779