

SITE NAME		PROFILE NO.		SLOPE AND ASPECT		LAND USE		Av Rainfall: 837 mm			PARENT MATERIAL		
Whelpley Farm, White Parish		Pit 1		0°		Cereal stubble		ATO: 1453 days			Upper chalk		
JOB NO.		DATE		GRID REFERENCE		DESCRIBED BY		FC Days: 185					
88/93		4/10/93		ASP9 SU227250		GMS		Climatic Grade: 1					
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness: Size, Shape, Type, and Field Method	Mottling Abundance, Contrast, Size and Colour	Structure: Development Size and Shape	Pores and Fissures	Structural Condition	Consistence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness
1	28	7.5YR34	C	2% >2 cm flint sieved	None	WCSAB	Good	-	Friable	Common, fine	Yes	None	Smooth, abrupt
2	80+	5Y81, white	Chalk	>70% chalk	None	-	-	-	-	Few very fine observed to 80 cm	Yes	None	

Profile Gleyed From: None

Depth to Slowly Permeable Horizon: None

Wetness Class: I

Wetness Grade: 3b

Available Water Wheat: 90 mm

Potatoes: 89 mm

Moisture Deficit Wheat: 99 mm

Potatoes: 89 mm

Moisture Balance Wheat: -9 mm

Potatoes: +0 mm

Droughtiness Grade: 3A (to 80 cm)

Final ALC Grade: 3B

Main Limiting Factor(s): Workability

Remarks:

Chalk horizon well fractured; strong soil staining to 80+, but decreasing quantity of soil in between chalk stones with depth. Pit dug to 80 cm. Topsoil texture confirmed by PSD analysis.

SITE NAME		PROFILE NO.		SLOPE AND ASPECT		LAND USE		Av Rainfall: 837 mm			PARENT MATERIAL		
Whelpley Farm, White Parish		Pit 2		0°		Cereal stubble		ATO: 1453 days			Upper chalk		
JOB NO.		DATE		GRID REFERENCE		DESCRIBED BY		FC Days: 185					
88/93		4/10/93		ASP7 SU225250		GMS		Climatic Grade: 1					
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness: Size, Shape, Type, and Field Method	Mottling Abundance, Contrast, Size and Colour	Structure: Development Size and Shape	Pores and Fissures	Structural Condition	Consistence	Roots: Abundance, Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary: Distinctness
1	26	10YR43	HCL	5% HR >2 cm Sieved	None	MCSAB	Good	-	Friable	Common, fine	Yes	None	Smooth, abrupt
2	60+	7.5YR46	C	25% HR Sieved	None	MCSAB	Good	Moderate	Friable	Common, fine	Yes	None	

Profile Gleyed From: Not
Depth to Slowly Permeable Horizon: None
Wetness Class: I
Wetness Grade: 3A

Available Water Wheat: 80 mm
Potatoes: 86 mm
Moisture Deficit Wheat: 99 mm
Potatoes: 89 mm
Moisture Balance Wheat: -19 mm
Potatoes: -3 mm
Droughtiness Grade: 3A to 60 cm

Final ALC Grade: 3A
Main Limiting Factor(s): Workability

Remarks:
Topsoil texture confirmed by PSD analysis.