

SITE NAME Rowden Lane, Chippenham		PROFILE NO. Pit 1	SLOPE AND ASPECT 0°	LAND USE PGR	Av Rainfall: 749 mm ATO: 1479 day °C FC Days: 169 Climatic Grade: 1 Exposure Grade: 1	PARENT MATERIAL Kellaway Clays
JOB NO. 64/94		DATE 25/5/94	GRID REFERENCE ASP 13 St 915724	DESCRIBED BY H Lloyd-Jones/G M Shaw		SOIL SAMPLE REFERENCES RPT/HLJ 46,47

Horizon No.	Lowest Av. Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness: Size, Type, and Field Method	Mottling Abundance, Contrast, Size and Colour	Mangan Concs	Structure: Ped Development Size and Shape	Consistence	Structural Condition	Pores (Fissures)	Roots: Abundance and Size	Calcium Carbonate Content	Horizon Boundary: Distinctness and form
1	20	MCL	10YR43	None	Com RR	None					CF + VF	None	Clear smooth
2	34	MCL	10YR54	None	cdm 10YR56, 63	None	MCSAB tending to MCAB	Friable	Moderate	Good	CF + VF	None	Clear smooth
3	60	HCL	10YR64	None	10YR58, 63	None	MCSAB	Friable	Moderate	Good	FF + VF	None	Abrupt smooth
4		SCL	10YR72	None	7.5YR58	None	MVCAB	Friable	Moderate	Good	FF + VF	None	

Profile Gleyed From: 34 cm

Depth to Slowly Permeable Horizon: No SPL

Wetness Class: II

Wetness Grade: 2

VP336-14

Available Water Wheat: 154 mm

Potatoes: 115 mm

Moisture Deficit Wheat: 104 mm

Potatoes: 96 mm

Moisture Balance Wheat: 50 mm

Potatoes: 19 mm

Droughtiness Grade: 1 (Calculated to 120 cm)

Final ALC Grade: 2

Main Limiting Factor(s): Wetness

Remarks:

SITE NAME Easton Lane, Chippenham		PROFILE NO. Pit 2	SLOPE AND ASPECT 1°	LAND USE PGR	Av Rainfall: 749 mm ATO: 1479 day °C FC Days: 169 Climatic Grade: 1 Exposure Grade: 1	PARENT MATERIAL Kellaway Clays
JOB NO. 64/94		DATE 1/6/94	GRID REFERENCE ASP 24 ST 901718	DESCRIBED BY P Barnett/G M Shaw		SOIL SAMPLE REFERENCES RPT/PB 140

Horizon No.	Lowest Av. Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness: Size, Type, and Field Method	Mottling Abundance, Contrast, Size and Colour	Mangan Concs	Structure: Ped Development Size and Shape	Consistence	Structural Condition	Pores (Fissures)	Roots: Abundance and Size	Calcium Carbonate Content	Horizon Boundary: Distinctness and form
1	20	HCL	10YR42	5% HR Visual	None	None		-	-	-	MF	-	Abrupt smooth
2	38	C	2.5Y64	10% HR Visual	CFF 10YR66	None	MMPr	Friable	M	Good	CF	-	Clear smooth
3	60+	C	2.5Y64	None Visual	MDF+M 10YR62 7.5YR68	None	WCPr	Firm	P	Low	CF	-	

Profile Gleyed From: 20 cm

Depth to Slowly Permeable Horizon: 38 cm

Wetness Class: IV

Wetness Grade: 3b

VP336-14

Available Water Wheat: 83 mm

Potatoes: 89 mm

Moisture Deficit Wheat: 104 mm

Potatoes: 96 mm

Moisture Balance Wheat: -21 mm

Potatoes: -7 mm

Droughtiness Grade: 3b (Calculated to 60 cm)

Final ALC Grade: 3b

Main Limiting Factor(s): Wetness

Remarks: