

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	1003 mm	PARENT MATERIAL	
Pingry Farm Coleford		Pit 1 (ASP 16)	3 E	Ley	ATO	1291 day °C	Carboniferous Limestone	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	212	PSD SAMPLES TAKEN	
49/97		22/7/97	SO 5702 0960	SH/PB	Climatic Grade	2	TS 0 25 cm MZCL (S15 Z60 C25%)	
					Exposure Grade	1		

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	26	MZCL	7 5YR43	0	0	0	MFSAB	Fr		G	MF VF		Ab smooth
2	73	HZCL	5YR43	0	0	0	MCSAB	Fm	M	G	CVF		Clear smooth
3	88	C	2 5YR34 (2 5YR54)	0	0	0	WCSAB	VM	M	P	FVF		Ab wavy
4	93+	C	2 5YR34	50% HR* (VIS)	0	0	WCSAB	VM	M	P	FVF		

Profile Gleyed From	Available Water	Wheat	130 mm	Final ALC Grade	3a
Depth to Slowly Permeable Horizon		Potatoes	124 mm	Main Limiting Factor(s)	We
Wetness Class	73 88 cm *	Moisture Deficit	Wheat 73 mm		
Wetness Grade	II		Potatoes 56 mm		
	3a	Moisture Balance	Wheat +57 mm	Remarks	*H4 stone content increases rapidly with depth H3 SPL borderline depth and thickness profile judged to be Wetness Class II
			Potatoes +68 mm		
		Droughtiness Grade	1 (Calculated to 100 cm)		

SITE NAME		PROFILE NO	SLOPE AND ASPECT	LAND USE	Av Rainfall	995 mm	PARENT MATERIAL	
Pingry Farm Coleford		Pit 2 (ASP 29)	3 SE	PGR	ATO	1325 day C	Dolomitic Limestone	
JOB NO		DATE	GRID REFERENCE	DESCRIBED BY	FC Days	212	PSD SAMPLES TAKEN	
49/97		23/7/97	SP 576 095	SH/PB	Climatic Grade	2	TS 0 25 cm MCL/MSZL (S29 Z53 C18%)	
					Exposure Grade	1		

Horizon No	Lowest Av Depth (cm)	Texture	Matrix (Ped Face) Colours	Stoniness Size Type and Field Method	Motthing 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	22	MCL	75YR43 44	3% HR (VIS)	None	None	MDMSAB	Fr		G	CF VF		Clear smooth
2	40	HZCL	5YR43 44	3% HR (VIS)	None	None	MDCSAB	Fr	M	G	CVF		Gradual smooth
3	70	HCL/C	5YR43 44	8% HR (VIS)	None	None	MDCSAB	Fm	M	G	FVF		Gradual smooth
4	120*	C	5YR43 44	10% HR (VIS)	None	None	WDCSAB	Fr	M	G	FVF		

Profile Gleyed From	Available Water	Wheat	138 mm	Final ALC Grade	2
Depth to Slowly Permeable Horizon		Potatoes	113 mm	Main Limiting Factor(s)	Wk
Wetness Class	I	Moisture Deficit	Wheat	73 mm	
Wetness Grade	2		Potatoes	56 mm	
		Moisture Balance	Wheat	+65 mm	
			Potatoes	+57 mm	
		Droughtiness Grade	1	(Calculated to 120 cm)	
		Remarks	* Pit dug to 100 cm augered to 120 cm		

SITE NAME Pingry Farm Coleford		PROFILE NO Pit 3 (ASP 1)	SLOPE AND ASPECT 4 NW	LAND USE GRA	Av Rainfall 1000 mm	PARENT MATERIAL Dolomitic Limestone	
JOB NO 49/97		DATE 23/7/97	GRID REFERENCE SO 5698 0990	DESCRIBED BY SH/PB	ATO 1290 day C	PSD SAMPLES TAKEN	
					FC Days 212		
					Climatic Grade 2		
					Exposure Grade 1		

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	30	MSZL	75YR42 43	8% < 2cm (S+D) 2% 2 6 cm (S) 18% > 6 cm (S) 28% Total HR	0	0	MDFSAB	FR		G	MF		Clear wavy
2	80+	FSL	75YR44	4% < 2cm (S+D) 10% 2 6 cm (S) 50% > 6cm (S) 64% Total HR	0	0	WKCSAB	VF	G	G	CF FF VF		

Profile Gleyed From	Available Water	Wheat	91 mm	Final ALC Grade	3b
Depth to Slowly Permeable Horizon		Potatoes	76 mm	Main Limiting Factor(s)	Topsoil stone content
Wetness Class	1	Moisture Deficit	Wheat	73 mm	
Wetness Grade	2		Potatoes	56 mm	
		Moisture Balance	Wheat	18 mm	
			Potatoes	20 mm	
		Droughtiness Grade	2	(Calculated to 100 cm)	Remarks