

SITE NAME Taunton E		PROFILE NO Pit 1	SLOPE AND ASPECT 0°	LAND USE Potatoes	Av Rainfall 764 mm	PARENT MATERIAL Keuper Marl	
JOB NO 9/95		DATE 10 4 95	GRID REFERENCE NR ASP 38 ST 232278	DESCRIBED BY NAD	ATO 1521 day °C	SOIL SAMPLE REFERENCES NAD 217	
					FC Days 168		
					Climatic Grade 1		
					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	MSL	75YR34	2% ZR vis est				Friable	M	G	Few fine		Gradual/ smooth
2	53	MSL	75YR34	2% ZR		Few	MDCAB + SAB	Friable	M	G	Few fine		Clear/ smooth
3	65	MSL	05YR24	40% ZR vis est		None	WDCSAB	Friable	G	G	None		Clear/ smooth
4	100	MSL	75YR46	10% ZR			MDCAB	Friable	M	G	None		Clear/ smooth
5	120	MS	5YR56/46				Assume WDCSAB	Friable	G	G	None		

Profile Gleyed From	Available Water	Wheat	140 mm	Final ALC Grade	1
Depth to Slowly Permeable Horizon		Potatoes	108 mm		
Wetness Class	1	Moisture Deficit	Wheat	Main Limiting Factor(s)	
Wetness Grade	1		Potatoes		
		Moisture Balance	Wheat	Remarks	
			Potatoes		
CW336		Droughtiness Grade	1 (Calculated to 120 cm)		

SITE NAME Taunton E		PROFILE NO Pit 2 (Asp320)	SLOPE AND ASPECT 3° S	LAND USE OSR	Av Rainfall 748 mm	PARENT MATERIAL Valley gravel	
JOB NO 9 95		DATE 11 4 95	GRID REFERENCE ST 271266	DESCRIBED BY HLJ/PB	ATO FC Days 1548 day °C 162	SOIL SAMPLE REFERENCES HLJ 136	
					Climatic Grade 1		
					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	10YR43	1% > 2 cm 8% < 2 cm 9% HR (S+D)	0	0				G	CF VF		Clear smooth
2	55	MCL	10YR63	2% > 2 cm 21% < 2 cm 23% HR (S+D)	CDFO+GM (10YR68) (10YR72)	0	WCSAB	Fr	M	G	FF VF		Clear wavy
3	75	MSZL	10YR73	3% > 2 cm 21% < 2 cm 24% HR (S+D)	CDMOM (10YR58)	0	WCSAB	Fr	G	G	FVF		Clear Irregular
4	95	MSL	10YR73	7% > 2cm 32% < 2 cm 39% HR (S+D)	CFFGM (10YR63)	0	Too stony	Fr	G	G	FVF		

Profile Gleyed From 30 cm
Depth to Slowly Permeable Horizon No SPL
Wetness Class II
Wetness Grade 1

CW336

Available Water Wheat 138 mm
Potatoes 106 mm
Moisture Deficit Wheat 110 mm
Potatoes 104 mm
Moisture Balance Wheat +28 mm
Potatoes +2 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 2
Main Limiting Factor(s) Dr

Remarks

SITE NAME Taunton E		PROFILE NO Pit 3	SLOPE AND ASPECT 0°	LAND USE Fallow	Av Rainfall 764 mm	PARENT MATERIAL Keuper marl	
JOB NO 9/95		DATE 13 4 95	GRID REFERENCE ST 259 280	DESCRIBED BY PB/HLJ	ATO 1531 day °C	SOIL SAMPLE REFERENCES HLJ 137	
					FC Days 165		
					Climatic Grade 1		
					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	28	MCL	10YR44	5% HR total (vis)	None	None					CF + VF		Abrupt smooth
2	43	HCL	7 5YR64	5% HR total (vis)	CDFO + G (7 5YR58/72)	None	WCSAB	Frable	M	Good	FF + VF		Clear smooth
3	66	C	10YR63	10% HR total (vis)	CDMO + G (7 5YR58/62)	Common	WCSAB	Firm	P	Poor	FVF		Gradual smooth
4	95 +	C	7 5YR64	None	MAMO + G (7 5YR68/72)	Common	WCSAB	Firm	P	Poor	FVF		

Profile Gleyed From 28 cm
Depth to Slowly Permeable Horizon 43 cm
Wetness Class IV
Wetness Grade 3b

Available Water Wheat 127 mm
Potatoes 103 mm
Moisture Deficit Wheat 110 mm
Potatoes 104 mm
Moisture Balance Wheat +17 mm
Potatoes 1 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 3b
Main Limiting Factor(s) Wetness

Remarks

CW336

SITE NAME Taunton E		PROFILE NO Pit 4 (ASP 44)	SLOPE AND ASPECT 3° South East	LAND USE Maize	Av Rainfall 764 mm	PARENT MATERIAL Keuper marl	
JOB NO 9/95		DATE 13 4 95	GRID REFERENCE ST 241 279	DESCRIBED BY PB/HLJ	ATO 1531 day °C	SOIL SAMPLE REFERENCES HLJ 144	
					FC Days 165		
					Climatic Grade 1		
					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	22	MCL	10YR44	0% > 2cm (vis) 12% < 2cm (S+D) 12% total	None	None					MF + VF		Abrupt smooth
2	57	MCL	7 5YR44	0% > 2cm (vis) 16% < 2cm (S+D) 16% ZR total	None	None	WCSAB	Frable	M	Good	FVF		Gradual smooth
3	85	MCL	7 5YR54	5% ZR total (vis)	FFFO + G (7 5YR63/56)	None	MCSAB	Frable	M	Good	FVF		Gradual smooth
4	105+	C	0 5YR64	1% ZR total (vis)	MAMO + G (7 5YR68/73)	Few	WCPr breaking WCSAB	Frable	M	Poor	FVF		

Profile Gleyed From 85 cm
Depth to Slowly Permeable Horizon 85 cm
Wetness Class I
Wetness Grade 1

Available Water Wheat 140 mm
Potatoes 109 mm
Moisture Deficit Wheat 104 mm
Potatoes 96 mm
Moisture Balance Wheat +36 mm
Potatoes +13 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 2
Main Limiting Factor(s) Droughtiness

Remarks
H1 PSD MCL/MSZL

CW336

SITE NAME Taunton NE		PROFILE NO Pit 5 (ASP 282)	SLOPE AND ASPECT 1° South	LAND USE Ley	Av Rainfall 780 mm	PARENT MATERIAL Valley gravel	
JOB NO 9/95		DATE 13 4 95	GRID REFERENCE ST 248 267	DESCRIBED BY PB/HLJ	ATO 1520 day °C	SOIL SAMPLE REFERENCES HLJ 148	
					FC Days 168		
					Climatic Grade 1		
					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	20	M52L	10YR44	< 1% > 2 cm (s) 18% < 2 cm (S+D) 18 % HR total	None	None					CF+VF		Abrupt smooth
2	50	MCL	7 5YR54	< 1% > 2 cm (s) 40% > 2 cm (S+D) 40 % HR total	None	None	WCSAB	Friable	M	Good	CVF		Gradual wavy
3	100+	HCL	0 5YR44	3% > 2 cm (s) 47% < 2 cm (S+D) 50 / HR total	FFFO (7 5YR66)	Common	Too stony		M (assumed)	Good	FVF		

Profile Gleyed From Not gleyed

Depth to Slowly Permeable Horizon No spl

Wetness Class I

Wetness Grade 1

CW336

Available Water Wheat 98 mm

Potatoes 79 mm

Moisture Deficit Wheat 110 mm

Potatoes 104 mm

Moisture Balance Wheat 12 mm

Potatoes 25 mm

Droughtiness Grade 3a (Calculated to 120 cm)

Final ALC Grade 3a

Main Limiting Factor(s) Droughtiness

Remarks

Augered to 120 H3 is compact but no evidence of spl

SITE NAME Taunton E		PROFILE NO Pit 6 (Asp 349)		SLOPE AND ASPECT 1° South		LAND USE PGR		Av Rainfall 780 mm ATO 1520 day °C FC Days 168		PARENT MATERIAL Valley gravel			
JOB NO 9 95		DATE 13 4 95		GRID REFERENCE ST 246 262		DESCRIBED BY HLJ/PB		Climatic Grade 1 Exposure Grade 1		SOIL SAMPLE REFERENCES HLJ 145			

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	23	MCL	10YR44	4% < 2 cm HR (S+D)	0	0				G	CF VF		Clear smooth
2	48	MCL	7 5YR54	9% < 2 cm HR (S+D)	FFFOM (75YR66)	0	WCSAB	Fr	M	G	CF VF		Clear smooth
3	70	HCL	10YR63	13% < 2 cm HR (S+D)	MDMOM (10YR56)	F	WCSAB	Fr	M	P	FF VF		Gradual smooth
4	105	C	10YR64	40% < 2 cm ZR (S+D)	CDMOM (10YR66)	0	WCSAB	Fr	M	P (in ped)	FVF		Clear smooth
5	120	C	2 5YR46	40% < 2 cm ZR (S+D)	MDMOM (10YR66)	0			M	P in ped	0		

Profile Gleyed From 48 cm
Depth to Slowly Permeable Horizon 48 cm
Wetness Class III
Wetness Grade 3a

CW336

Available Water Wheat 131 mm
Potatoes 107 mm
Moisture Deficit Wheat 110 mm
Potatoes 104 mm
Moisture Balance Wheat +21 mm
Potatoes +3 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 3a
Main Limiting Factor(s) We

Remarks
H4 porous between stones not spl
H1 PSD MCL/HCL

SITE NAME Taunton E		PROFILE NO Pit 7 (ASP 509)		SLOPE AND ASPECT 1° West		LAND USE Horticulture		Av Rainfall 780 mm ATO 1520 day °C FC Days 168		PARENT MATERIAL Alluvium			
JOB NO 9/95		DATE 13 4 95		GRID REFERENCE ST 260 250		DESCRIBED BY PB/HLJ		Climatic Grade 1 Exposure Grade 1		SOIL SAMPLE REFERENCES HLJ 143			

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	25	MCL	10YR34	2% > 2 cm (s) 9% < 2 cm (S+D) 11% HR total	None	None				Good	MF + VF		Abrupt smooth
2	53	MCL	7.5YR44	2% > 2 cm (s) 13% < 2 cm (S+D) 15% HR total	None	None	WCSAB	Frable	M	Good	CF + VF		Gradual smooth
3	75	HCL	7.5YR44	15% > 2 cm (s) 43% < 2 cm (S+D) 58% HR total	FFFO (10YR66)	None	Weak structure determined by stones		M (assumed)	Good	FVF		Gradual smooth
4	105+	SCL	7.5YR54	25% > 2 cm (s) 50% < 2 cm (S+D) 75% HR total	CFMG (7.5YR72)	None	Weak structure determined by stones		M (assumed)	Good	None		

Profile Gleyed From Not gleyed

Depth to Slowly Permeable Horizon No spi

Wetness Class I

Wetness Grade 1

CW336

Available Water Wheat 105 mm

Potatoes 91 mm

Moisture Deficit Wheat 110 mm

Potatoes 104 mm

Moisture Balance Wheat 5 mm

Potatoes 13 mm

Droughtiness Grade 3a (Calculated to 120 cm)

Final ALC Grade 3a

Main Limiting Factor(s) Droughtiness

Remarks

Augered to 120 cm

SITE NAME Taunton East		PROFILE NO Pit 8 (Asp 458)	SLOPE AND ASPECT 0°	LAND USE PGR	Av Rainfall 764 mm	PARENT MATERIAL Alluvium	
JOB NO 9 95		DATE 13 4 95	GRID REFERENCE ST 269 256	DESCRIBED BY HLJ/PB	ATO 1531 day °C	FC Days 165	SOIL SAMPLE REFERENCES HLJ 139
					Climatic Grade 1	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	15	C	10YR52	0	RRC only	0				G	MF VF		Gradual smooth
2	38	C	10YR62	0	CFMOM (75YR58)	0	WCPr breaking to WC + MAB	Fm	P	P	CF VF		Clear wavy
3	70 (pit)	C	10YR61	0	FFFOM (10YR66)	0	WAdhCAB	Fm	P	P	FVF		

Profile Gleyed From 15 cm
Depth to Slowly Permeable Horizon 15 cm
Wetness Class IV
Wetness Grade 3b

Available Water Wheat 120 mm
Potatoes 97 mm
Moisture Deficit Wheat 110 mm
Potatoes 104 mm
Moisture Balance Wheat +10 mm
Potatoes 7 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 3b
Main Limiting Factor(s) We

Remarks
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CW336

SITE NAME Taunton E		PROFILE NO Pit 9 (ASP 439)	SLOPE AND ASPECT 0°	LAND USE Permanent Grassland	Av Rainfall 764 mm	PARENT MATERIAL Alluvium	
JOB NO 9/95		DATE 13 4 95	GRID REFERENCE ST 263 258	DESCRIBED BY PB/HLJ	ATO 1531 day °C	SOIL SAMPLE REFERENCES HLJ 141	
					FC Days 165		
					Chmatic Grade 1		
					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	MCL	7 5YR34	4% HR < 2 cm total (S+D)	None	None				Good	MF + VF		Clear smooth
2	75	MCL	7 5YR44	2% HR < 2 cm total (S+D)	None	None	WCSAB	Frnable	M	Good	CF + VF		Gradual smooth
3	100+	MCL	7 5YR44	< 1% HR total (S+D)	FFFO + G (75YR56/72)	Few	WCPr breaking to WCSAB	Firm	M	Good	FF + VF		

Profile Gleyed From Not gleyed

Depth to Slowly Permeable Horizon No spl

Wetness Class I

Wetness Grade 1

Available Water Wheat 152 mm
Potatoes 114 mm
Moisture Deficit Wheat 110 mm
Potatoes 104 mm
Moisture Balance Wheat 42 mm
Potatoes 10 mm
Droughttness Grade 1 (Calculated to 120 cm)

Final ALC Grade 1

Main Limiting Factor(s)

Remarks

H1 PSD MCL/MS2L

CW336

SITE NAME Taunton East		PROFILE NO Pit 10 (ASP 455)	SLOPE AND ASPECT 1° South		LAND USE PGR		Av Rainfall 764 mm ATO 1531 day °C FC Days 164		PARENT MATERIAL Alluvium			
JOB NO 9/95		DATE 13 4 95	GRID REFERENCE ST 263 256		DESCRIBED BY HLJ/PB		Climatic Grade 1 Exposure Grade 1		SOIL SAMPLE REFERENCES HLJ 142			

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	HCL	7 5YR43	4% HR total (vis)	None	None				Good	MF + VF		Clear smooth
2	60	HCL	7 5YR54 (7 5YR62)	0% (vis)	None	None	MCSAB	Firm	Mod	Poor (in ped)	FVF		Clear wavy
3	85+	C	7 5YR62	0% (vis)	CDFO (7 5YR66)	Few	WCSAB	Firm	Mod	Poor (in ped)	FVF		

Profile Gleyed From 60 cm
Depth to Slowly Permeable Horizon 60 cm
Wetness Class II
Wetness Grade 3a

Available Water Wheat 141 mm
Potatoes 116 mm
Moisture Deficit Wheat 110 mm
Potatoes 104 mm
Moisture Balance Wheat 31 mm
Potatoes 12 mm
Droughtiness Grade 1 (Calculated to 120 cm)

Final ALC Grade 3a
Main Limiting Factor(s) Wetness

Remarks
A few large biotunnels in H3 but overall low porosity
H1 PSD HCL/C

CW336

SITE NAME Taunton East		PROFILE NO Pit 11	SLOPE AND ASPECT 0	LAND USE Ley	Av Rainfall 764 mm	PARENT MATERIAL Keuper marl	
JOB NO 9/95		DATE 20 4 95	GRID REFERENCE ASP 147 ST 245 274	DESCRIBED BY NAD	ATO FC Days 1531 day °C 165	SOIL SAMPLE REFERENCES HLJ 140	
					Climate Grade 1		
					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	75YR43	MCL	2% HR	None	None		Friable	M	G	Many fine & few medium		Clear/smooth
2	40	75YR44	HCL		None		MDCSAB	Friable	M	G	Many fine		Clear/smooth
3	55	5YR44	C	15% ZR	Few och 75YR56	Few	MDCSAB	Friable	M	G	Many fine		Clear/wavy
4	90+	05YR46 (05YR54)	C	2% ZR		None	WDCSAB	Firm	M	P	Common fine		

Profile Gleyed From 55
Depth to Slowly Permeable Horizon 55
Wetness Class III
Wetness Grade 3a

Available Water Wheat 139 mm
Potatoes 115 mm
Moisture Deficit Wheat 110 mm
Potatoes 104 mm
Moisture Balance Wheat 29 mm
Potatoes 11 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 3a
Main Limiting Factor(s) Wetness

Remarks

CW336

SITE NAME Taunton East		PROFILE NO Pit 12 (ASP255)	SLOPE AND ASPECT 2° West	LAND USE Cereals	Av Rainfall 780 mm	PARENT MATERIAL Keuper marl		
JOB NO 9/95		DATE 20 4 95	GRID REFERENCE ST 243 268	DESCRIBED BY NAD	ATO FC Days 1520 day °C 168	SOIL SAMPLE REFERENCES HLJ 134		
					Climatic Grade 1			
					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	10YR44	MCL	2% HR Vis est		None		Friable	M	G	Many fine		Clear/ smooth
2	65	75YR44	MCL	15% ZR vis est		None	MDCSAB	Friable	M	G	Many fine		Clear/ smooth
3	120	75YR56	MSL	10% ZR 2% HR vis est		None	WDCSAB	Friable	M	G	Few fine		

Profile Gleyed From

Depth to Slowly Permeable Horizon

Wetness Class 1

Wetness Grade 1

CW336

Available Water Wheat 154 mm

Potatoes 112 mm

Moisture Deficit Wheat 110 mm

Potatoes 104 mm

Moisture Balance Wheat 44 mm

Potatoes 8 mm

Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 2

Main Limiting Factor(s) Drought

Remarks

SITE NAME Taunton East		PROFILE NO Pit 13 (ASP 452)	SLOPE AND ASPECT 0°	LAND USE PGR	Av Rainfall 780 mm	PARENT MATERIAL Alluvium	
JOB NO 9/95		DATE 21 4 95	GRID REFERENCE ST 259 255	DESCRIBED BY GMS	ATO 1520 day °C	SOIL SAMPLE REFERENCES	
					FC Days 168		
					Climatic Grade 1		
					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	20	HCL	75YR42	1% HR (visual)	Rusty roots	None					MVF		Abrupt smooth
2	60	C	75YR53 54 (75YR63)	0% (Visual)	MDFO 75YR46	Few	MCPe breaking to MCAB	Frable	Mod	Within ped low but large biopores between peds	CVF		

Profile Gleyed From 20 cm
Depth to Slowly Permeable Horizon 20 cm
Wetness Class IV
Wetness Grade 3b

Available Water Wheat 140 mm
Potatoes 116 mm
Moisture Deficit Wheat 110 mm
Potatoes 104 mm
Moisture Balance Wheat 30 mm
Potatoes 12 mm
Droughtiness Grade 2 (Calculated to 120 cm)

Final ALC Grade 3b
Main Limiting Factor(s) Wetness

Remarks

CW336

SITE NAME Taunton East		PROFILE NO Pit 14	SLOPE AND ASPECT 0°	LAND USE Ley	Av Rainfall 761 mm	PARENT MATERIAL Keuper marl	
JOB NO 9/95		DATE 21 4 95	GRID REFERENCE ASP 652 ST 251 236	DESCRIBED BY GMS	ATO FC Days 1554 day °C 164	SOIL SAMPLE REFERENCES HLJ 138	
					Climatic Grade 1		
					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	HZCL	7 5YR42	<1% HR (visual)	None	None					MVF		Clear smooth
2	120	HCL	5YR43 (5YR53)	None (visual)	None	None	MCSAB	Frable	Mod	Good	CF MVF		

Profile Gleyed From	Not gleyed	Available Water	Wheat	158 mm	Final ALC Grade	2
Depth to Slowly Permeable Horizon	No spl		Potatoes	120 mm	Main Limiting Factor(s)	Workability
Wetness Class	1	Moisture Deficit	Wheat	110 mm		
Wetness Grade	2		Potatoes	104 mm		
		Moisture Balance	Wheat	48 mm		
			Potatoes	16 mm		
CW336		Droughtiness Grade	1 (Calculated to cm)		Remarks Pit dug to 90cm augered to 120 cm H1 PSD HZCL/ZC	

SOIL PLASTICITY RECORDING SHEET

ANNEX 2

SITE DATA

<u>Grid Ref</u> ST 22	<u>Site Name</u> Taunton E	<u>LPA</u> TDBC
<u>AAR</u> 764	<u>ATO</u> 1531	<u>FCD</u> 165
	<u>MD (wheat)</u> 110	<u>MD (potatoes)</u> 104

SOIL PIT DATA

<u>PIT THREE</u> ASP 22			<u>PIT FOUR</u> ASP 44			<u>PIT FIVE</u> ASP 282			
SOIL SERIES Whimple 3			SOIL SERIES Newnham			SOIL SERIES Whimple 3			
DEPTH	TEXTURE	PLASTIC Y/N	COMMENTS	TEXTURE	PLASTIC Y/N	COMMENTS	TEXTURE	PLASTIC Y/N	COMMENTS
10 cm	MCL	N	No ball		N	No ball	MCL	N	No ball no worm
20 cm	MCL	N	"		N	"	MCL	N	
30 cm	HCL	N			N		MCL	N	Ball no worm
40 cm	HCL	N	Ball no worm		N	Weak ball no worm	MCL	N	
50 cm	C	N			N	Ball cracking worm	MCL	N	
60 cm	C	Y			Y		HCL	N	'

IVP569