SITE NA	ME	PROFILE	NO	SLOPE	AND A	SPECT	LAND US	E		Av Rainfall		1018		PARENT M	ATERIAL	
Churston	Ferrers	Pit 1		0°			Cereal			ATO	L	1548°		Middle Devonian Limestone		
JOB NO		DATE		GRID I	REFERENCE		DESCRIBED BY						C	TOPSOIL SAMPLE		
9/94	9/94		2/3/94		(ASP 66) SX 907 563		GMS/HLJ			FC Days 209 Climatic Grade 1			RPT/GMS/367			
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	red Face Texture Size Sh Type an		hape ind	Mottling Abundance Contrast, Size and Colour	Structure Developme Size and Shape	ent Pores and Fissur	res	Structural Condition Cons		istence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form
1	24	1 1		5% HR (visual)				Good					Common fine + very fine + medium	Very slightly calcareous (0 5 1%)	None	Abrupt wavy
2	47	05YR44	MCL	50% HF <u>9%</u> HR 59 HR 1 (sieve + displace	total +		Determine by stones	d Good betwe stones		M (assumed)			Common very fine	Very calcareous (>10%)	None	Clear wavy
3	70	05YR44	MCL	>70% l Total (assum		None	Determine by stones	d Good betwe stones	en	M (assumed)			Few very fine	Very calcareous (>10%)	None	
Profile G	leyed From	N/A			Availa	ble Water	Wheat	50 mm				Final	ALC Grade	3A		
Depth to Permeabl	Slowly le Horizon	N/A			Moretu	re Deficit		50 mm 97 mm				Main	Limiting Facto	r(s) Drough	tiness	
Wetness	Class	I			WOIStu	ne Denen										
Wetness	Grade	2						32 mm								
					Moistu	re Balance	Wheat	32 mm				Rema	rks			
							Potatoes	22 mm				Pit du	g to 65 Fissur	res to 70+ with	reasonable a	mounts of soil
NL3360	ł				Drougl	huness Grade		3B (Calcula	ted to	o 90 cm)			in H3 in the fi			

SITE NA	ME	PROFILE	NO	SLOPE	AND A	SPECT	LAND USE		Av Rainfall	1	1018 п	าฑ	PARENT MATERIAL			
Churston	Ferrers	Pıt 2		0°			CER		ATO		1548°C		Middle Devonian Limestone			
JOB NO		DATE		GRID	REFERE	INCE	DESCRIBED	DESCRIBED BY					TOPSOIL SAMPLE			
9/94		2/3/94	2/3/94		SX 912 855 (ASP 32)		PB/GS		FC Days Climatic G	rade	209 1		RPT/PB/107			
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stonine Size S Type a Field N	hape ind	Mottling Abundance Contrast, Size and Colour	Structure Development Size and Shape	Pores and Fissures	Structural Condition			Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form	
1	22	7 5YR33	MCL/ MZCL	c2% H	R vis	None						CF M	None	None	Ab smooth	
2	80	7 5YR43	MCL	c2% <	2cm vis	None	WCSAB	G	м	Fr		CF VF	SI	None	Gr smooth	
3	110	7 5YR34	HCL	c5% <2	2cm vis	None	MCSAB	< ¹ / ₂ % but good fissures	М	FM		FF	SI	None	Cl smooth	
4	130+	7 5YR33	с	None (vis)	FFFOM		< ¹ /2% but mod fissures	М	Fm		None	None	F		
Profile G	leyed From	•	•	•	Availa	ble Water	Wheat 14	Final ALC Grade			ALC Grade	2				
Depth to Slowly Permeable Horizon Wetness Class 1 Moisture Deficit								↓ mm mm			Main Limiting Factor(s) Workability					
Wetness Grade 2 Moisture Baland							Potatoes 82	mm								
						re Balance	Wheat +5	7 mm			Bemer					
	Droughtiness Grade						Potatoes +3	2 mm			Remarks					
							1 (1 (Calculated to 120 cm)								

SITE NA	ME	PROFILE	NO	SLOPE A	ND ASPECT	LAND USE		Av Rainfal		1018 m	m	PARENT MATERIAL				
Churston	Ferrers	Pit 3		0°		Perm grass		ATO				Middle Devonian Limestone				
JOB NO		DATE		GRID REI	FERENCE	DESCRIBE	DESCRIBED BY		FC Days 209			TOPSOIL SAMPLE				
9/94		2/3/94		SX 904 55	58 (ASP 130)	PB/GMS	PB/GMS		FC Days 20 Climatic Grade 1			RPT/PB/10	8			
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoniness Size Shap Type and Field Meth	Contrast	Structure Developmen Size and Shape	t Pores and Fissures	Structural Condition Consis		istence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form		
1	22	5YR46	HZCL	1% >2cm F 2% >2mm 3% HR Tot V1sual	IR none HR						Many fine + v fine	none	none	Clear smooth		
2	40	2 5YR46	MCL	3% HR vis	sual none	MCSAB	Good	М	Friabl		Many fine + v fine	none	none	Gradual smooth		
3	65	2 5YR36	HCL	3% ZR (S	+D) none	SCSAB	Good	M	Fırm		Common fine + v fine	none	none	Gradual smooth		
4	100	2 5YR36	С	0% (vis)	none	MCSAB	CSAB Low porosity good fissure		Fırm		Few	попе	none	Gradual smooth		
5	100+	10YR46 (10YR44 Ped face)	C	15% ZR v	ns 0	W			Fırm		none	none	none			
Profile G	leyed From			A	vailable Water	Wheat 14	1 mm			Final A	LC Grade	2/3A				
Depth to Slowly Permeable Horizon				N	foisture Deficit		5 mm mm			Main Li	imiting Facto	r(s) Worka	r(s) Workability			
Wetness	Class	1					mm									
Wetness	Grade	2/3A			Ioisture Balance		9mm									
							3mm			Remark	S					
				D	roughtiness Grad		(Calculated to	o 120 cm)		Topsoil clay content 28% Borderline 3A/2						

SITE NA	ME	PROFILE	NO	SLOPE	AND A	SPECT	LAND USE		Av Rainfall	1,)18 mm	PARENT MATERIAL Middle Devonian Limestone			
Churston	Ferrers	Pıt 4		3° W			CER		ATO		548° C				
JOB NO DATE				GRID	REFERENCE		DESCRIBE	D BY	FC Days)9	TOPSOIL SAMPLE			
9/94		3/3/94		SX 897	SX 897 564 (ASP 3		HLJ/PB		Climatic Grade			RPT/HLJ/21			
Horizon Number			Texture	Stoning Size S Type a Field N	hape ind	Mottling Abundance Contrast Size and Colour	Structure Developmer Size and Shape	t Pores and Fissures	Structural Condition	Consiste	nce Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form	
1	18	<u>2%</u> <		20 >2c <u>2%</u> <20 22% H	cm vis	none					CF VF M	V Slightly	None	Ab wavy	
2	30	05YR46	MCL	60% H Total	R vis	none	Det by stones	G	м		CF VF	VF Slightly	None	Ab wavy	
3	30+	05YR46	MCL in fissures	95% H Total	R vis								None		
Profile G	leyed From				Availal	ble Water	Wheat 38	3 mm		F	inal ALC Grade	4 (3B mapping unit)			
Depth to Slowly Permeable Horizon Wetness Class 1					Moistu	re Deficit	Wheat 92	3 mm 2 mm 2 mm	Main Limiting I			actor(s) Droughtiness			
Wetness Grade 1					Moistu	re Balance		4 mm 4 mm		R	Remarks				
Drough						htiness Grade		(Calculated to	o 50 cm)		opsoil stoniness lir B/4	niness limitation of 3B Droughtiness borderline			

SITE NA	ME	PROFILE	NO	SLOPE	E AND A	SPECT	LAND USE		Av Rainfal	t.	1218		PARENT MATERIAL			
Churston	Ferrers	Pit 5		3° N			CER			ATO		C	Middle Devonian Slates and Shales			
JOB NO		DATE	DATE GRID F			INCE	DESCRIBED	DESCRIBED BY				-	TOPSOIL SAMPLE			
9/94	9/94		3/3/94		SX 911 557 (ASP 147)		PB/HLJ		FC Days Climatic G	rade	1		RPT/PB/109			
Horizon Number			Texture	Size Shape		Mottling Abundance Contrast Size and Colour	Structure Development Size and Shape	Pores and Fissures	Structural Condition	Cons	istence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form	
1				18% Z <2cm \$				G				CF M	SI	None	Ab smooth	
2	32	7 5YR53 HCL 20% Z <2cm 5				MMSAB	Good fissures	G	Friab	le	CF M	SI	None	Ab wavy		
3	60+		ZR	99% Z	R vis	None			м			FVF	None	None		
Profile G	leyed From				Availa	ble Water	Wheat 75r	nm			Final	ALC Grade	3a			
Permeabl	Depth to Slowly Permeable Horizon Wetness Class 1				Moıstu			nm nm nm			Maın	Limiting Facto	r(s) Drough	tiness and W	'orkabılıty	
Wetness Grade 2/3a				Moistu	re Balance	Wheat 17	mm									
							Potatoes -4n	nm			Remarks					
					Droug	htiness Grade	3a	3a (Calculation to 60 cm)			Pit dug to 65 cm					

SITE NA	ME	PROFILE	NO	SLOPE	E AND A	SPECT	LAND USE		Av Rainfall		1018		PARENT MATERIAL			
Churston	Ferrers	Pit 6		3° S			PGR		ATO				Upper Devonian Slates and Mudstones			
JOB NO		DATE		GRID	REFERE	INCE	DESCRIBED	DESCRIBED BY		FC Davs 209			TOPSOIL SAMPLE			
9/94		3/3/94		SX 908 568 (ASP 1)		HLJ/PB		FC Days 209 Climatic Grade 1				RPT/PB/110				
Horizon Number	Lowest Av Depth (cm)	Matrix and Ped Face Colours	Texture	Stoning Size S Type a Field N	hape ind	Mottling Abundance Contrast Size and Colour	Structure Development Size and Shape	Pores and Fissures	Structural Condition Con		istence	Roots Abundance Size and Nature	Calcium Carbonate Content	Mangan Concs etc	Horizon Boundary Distinctness and form	
1	26	05YR44	MSZL	5% HR (visual		None		G				Many F+M	None	None	Clear wavy	
2	54	05YR43	MCL	8% >20 <u>9%</u> <20 17% H	cm	None	MCSAB	G	М	Friab	ole	Common fine	SI	None	Gradual wavy	
3	72	5YR43	MCL	25% >2 <u>12%</u> <2 37% H	2cm 2cm	None	MCSAB	G	М	Friab	le	Common fine	Calcareous (5 10%)	None	Gradual wavy	
4	120	2 5YR46	MCL	45% HI <u>15%</u> HI 60% HI S+D	< >2cm < <2cm	None	Too stony	G	M (Assumed)			None	Calcareous (5 10%)	None		
Profile G	leyed From				Availa	ble Water	Wheat 113	mm	Final ALC Grade			ALC Grade	2			
Depth to Slowly Permeable Horizon Wetness Class I Moisture I						Potatoes 99 mm Moisture Deficit Wheat 72 mm Potatoes 82 mm				Main Limiting Factor(s) Droughtine				tiness		
Wetness Grade					 Moistu	ire Balance		mm			Remarks					
							Potatoes +17	' mm								
Droughtmess Grade							2 (0	Calculated to	120 cm)							
NL3360	1				l						I					