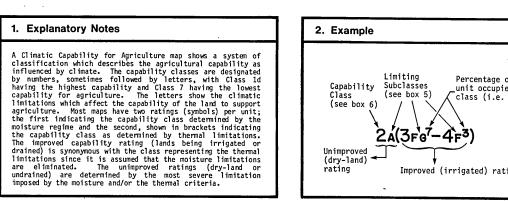


to option the data real man and the contract of the contract o

CLIMATIC CAPABILITY FOR AGRICULTURE



otes	2. Example
for Agriculture map shows a system of describes the agricultural capability as. The capability classes are designated s followed by letters, with Class Id pability and Class 7 having the lowest liture. The letters show the climatic set the capability of the land to support ps have two ratings (symbols) per unit; the capability class determined by the capability class determined by the second, shown in brackets indicating as determined by thermal limitations. ity rating (lands being irrigated or with the class representing the thermal is assumed that the moisture limitations the unimproved ratings (dry-land or mined by the most severe limitation re and/or the thermal criteria.	Capability Subclasses (see box 5) (see box 6) Unimproved (dry-land) rating Improved (irrigated) rating

3. Map Boundaries and Symbols	4. Station Information	4. Station Information						
Climatic Capability for Agriculture class boundary.	Base Station	Symbol	Period of Record Used					
•	FORT ST JOHN		1951-80					
Approximated capability class boundary	BEAVER LODGE		1951-80					
Atmospheric Environment Service - Base Station								
		<u> </u>						

Subclasses		
Atmospheric Environment Service - Base Station		
		•
 Approximated capability class boundary 	BEAVER LODGE	1951-80
	FORT ST JOHN	1951-80
boundary.		Kecord osed

5. L	imiting Subclasses
Α -	Drought or aridity occurring between May 1st and September 30th resulting in moisture deficits which are limiting to plant growth.
F -	Minimum temperature near freezing adversely affecting plant growth during the growing season.
G -	Insufficient accumulation of heat units above 5°C during the growing season.
E -	Extreme minimum temperatures occurring during the winter season injuring or killing dormant or near dormant fruit trees.
Y -	Excess precipitation between May 1st and September 30th causing flooding, poor trafficability and generaly poor yield and harvest conditions.

CLASS	GDD ABOVE 5°C	EGDD ABOVE 5°C	FFP	(DAYS)	CMD (mm)	CMS/PE
CLASS	(°C-DAYS)	(°C-DAYS)	INTERIOR	COASTAL ,	(negative PPT-PE)	ratio
1d	>2225	-	>150		-	
1c	2060-2225	-	>150	-	-	-
1b	1780-2059	-	>150	-	-	
la	1505-1779	-	120-150	-	-	-
1	1310-1504	>825	90-119	>150	< 40	<0.34
2	1170-1309	736-825	75- 89	120-150	40 to 115	0.34 to 0.55
3	1030-1169	650-735	60- 74	100-119	116 to 190	0.56 to 0.75
4	1030-1169	491-649	50- 59	80- 99	. 191 to 265	0.76 to 1.00
5	780-1029	421-490	30- 49	60- 79	266 to 340	>1.00
6	670 - 779	245-420	< 30	40- 59	341 to 415	-
7	< 670	<245	< 30	< 40	>415	

	Name:				Name:				Name:			
CLASS	GDD/ EGDD	FFP	CMD	CMS	GDD/ EGDD	FFP	CMD	CMS	GDD/ EGDD	FFP	CMD	CMS
1d			-		-							ļ
1c						-						
1b												
la		٠.									~~	
1												
2												
3												
4												
5											-	
6												
7	,											

CLASS	Name:		Name:		Name:			
00.00	Thermal Limitation	Moisture Limitation	Thermal Limitation	Moisture Limitation	Thermal Limitation	Moisture Limitation		
1d								
1c								
1b								
la								
· 1								
2			·····					
3								
4								
5								
6								
7								

	Name:					Name:	Name:					Name:				
CLASS								Limitati	on		-	ı	imitatio	n		
	Α	F	G	E	Y	A	F	G	E	Y	А	F	G	ε	Y	
1d														<u> </u>		
1c	_			•							1	<u> </u>			l	
1ь																
1a																
1											1				<u> </u>	
2											1				 	
3											1			<u> </u>	ļ	
4												-			 	
5 .											1	<u> </u>			<u> </u>	
6											 			 		
7											+					

1	<u> </u>											[١ ،		
2	<u> </u>														
3															
4															
5 .															
6															
7						ļ							ļ		
This tab	ole shows thermal	the frequ (G and/or	ency of (F) and (occurrenc moisture	ce, expres (A and/o	ssed as a r Y) limit	percent, cations for	f Climatic the perio	c Capabi od of re	lity for cord at	Agricult the base	ure class station.	es indepe	endently	deter-
inined by	ole shows thermal	(G and/or	r) and i	noisture	ce, expres (A and/or	ssed as a r Y) limit	percent, cations for	the perio	od of re	lity for cord at	the base	ure class station.	es indepe	endently	deter-

12. Comm	nts
I) Dashe	d lines generally indicate areas of probable cold air flow and pooling which will lin
	matic capability due to lower freeze-free periods.
2) An ai	idity rating (A) is only indicated if it is the limiting factor, however the aridity class
	e the same as the thermal class under 2 150 feet elevation.
3) The lo	nger days in this region may result in an under-estimation of the climatic capability fo
	crops that do not have high heat and light intensity requirements.

13. References	14. Credits
R.A.B. Technical Paper #1. Climatic Capability Classification for Agriculture in British Columbia. B.C. Ministry of Environment, 1978. Climotology Unit Waste Management Branch Ministry of Environment Parliament Buildings Victoria, B.C. V8V IX5	Mapped by G.E. Cheeseman Date mapped July 29,1983 Duration of topoclimatic network 1977-80 Normals used 1951-80 Correlated by Drafted by Cartography Section, Terrestrial Studies Branch, Ministry of Environment
Additional climatological maps and reports available from: The Map Library Assessment and Planning Division Ministry of Environment Parliament Buildings Victoria, B.C. V&V 1X4	Date drafted August 1983 Revision dates Base map provided by Surveys and Mapping Branch, Ministry of Environment.