

StarlightCascade Observatory & Gardens		Frost and Growing Days analysis				
2013 Oct 29		file: \\kev\frostgrowanalysis.xlsx				
All data comes from our weather station located just outside Yarker Ontario Canada						
<a href="http://starlightcascade.ca/weather/">http://starlightcascade.ca/weather/</a>						
Year	Date of first/last light frost (-1C)	Date of first/last heavy frost (-3C)	Light Frost		Heavy Frost	
			#days	#weeks	#days	#weeks
min			119	17	143	20
average			145	21	171	24
max			176	25	222	32
stddev			18	3	25	4
2002 fall	Oct 21 (-3)	Oct 21 (-3)				
2003 spring	April 30 (-1)	Apr 24 (-3)				
2003 fall	Oct 23 (-2)	Nov 08 (-6)	176	25	198	28
2004 spring	May 08 (-2)	Apr 16 (-4)				
2004 fall	Oct 11 (-1)	Nov 03 (-4)	156	22	201	29
2005 spring	May 17 (-1)	Mar 13 (-3)				
2005 fall	Oct 20 (-1)	Oct 21 (-4)	156	22	222	32
2006 spring	no data	no data				
2006 fall	no data	no data				
2007 spring	May 18 (-1)	May 13 (-3)				Oregon WMR968
2007 fall	Oct 12 (-2)	Oct 13 (-3)	147	21	153	22
2008 spring	May 05 (-2)	Apr 30 (-3)				
2008 fall	Oct 06 (-2)	Oct 07 (-4)	154	22	160	23
2009 spring	May 13 (-1)	Apr 17 (-5)				
2009 fall	Sep 19 (-1)	Oct 12 (-5)	129	18	179	26
2010 spring	Jun 13 (-2)	Jun 11 (-4)				
2010 fall	Oct 10 (-2)	Nov 01 (-3)	119	17	143	20
2011 spring	April 22 (-4)	Apr 22 (-4)				
2011 fall	Sept 17 (-1)	Oct 06 (-3)	149	21	167	24
2012 spring	April 30 (-6)	April 30 (-6)				
2012 fall	Oct 08 (-2)	Oct 12 (-4)	162	23	165	24
2013 spring	May 14 (-4)	May 14 (-4)				Davis Vantage Vue
2013 fall	Sept 16 (-2)	Oct 29 (-10)	125	18	168	24
2014 spring	May 18 (-1)	April 25 (-3)				
2014 fall	Sept 19 (-3)	Sept 19 (-3)	124	18	147	21
2015 spring	May 23 (-5)	May 23 (-5)				
2015 fall	Oct 10 (-2)	Oct 17 (-4)	140	20	147	21
count days from spring to fall						
StarlightCascade Observatory & Gardens Weather Station			Yarker Ontario Canada			
Year	#weeks	#days	Year	#weeks	#days	
min	17	119	min	20	143	
average	21	145	average	25	171	
median	21	148	median	24	166	
max	25	176	max	32	222	
stddev	2	18	stddev	4	25	
2003	25	176	2003	28	198	
2004	22	156	2004	29	201	
2005	22	156	2005	32	222	
2006	no data	no data	2006	no data	no data	
2007	21	147	2007	22	153	
2008	22	154	2008	23	160	
2009	18	129	2009	26	179	
2010	17	119	2010	20	143	
2011	21	149	2011	24	167	
2012	23	162	2012	24	165	
2013	18	125	2013	24	168	
2014	18	124	2014	21	147	
2015	20	140	2015	21	147	
2016			2016			

