THE WEATHER MIGHT BE RIGHT TO SUPPORT ULTRA-EARLY SEEDING IN WESTERN CANADA

Agroecological data, precipitation, post-seeding air temperature extremes and cumulative freezing events recorded at each location and year.

Location	Latitude/longitude	Agroecological region	Soil zone	Average yearly precipitation* (mm)	Year	Actual precipitation (mm)	Earliest seeding date**	# ff days with air temp. below OC after initial seeding date	Lowest air temp. Recorded after seeding (C)
Dawson Creek, B.C.	55º 48' N 120º 14' W	Parkland	Grey Wooded	453	2015	325	16 April	12	-5.0
					2016	542	21 April	11	-6.1
Edmonton, Alta.	53º 33' N 113º 29' W	Parkland	Black	446	2015	299	9 April	12	-4.2
					2016	510	29 March	11	-3.6
					2017	416	5 May	0	2.3
Lethbridge, Alta.	49º 41' N 112º 50' W	Western Prairies	Dark Brown	380	2015	251	6 March	37	-6.7
					2016	338	16 February	36	-10.2
					2017	249	20 March	17	-7.6
					2018	284	23 April	2	-1.2
Regina, Sask.	50º 26' N 104º 35' W	Western Prairies	Dark Brown	397	2015	347	21 April	11	-5.0
Scott, Sask.	52º 21' N 108º 49' W	Western Prairies	Dark Brown	366	2016	415	2 April	21	-9.8
					2017	300	31 March	27	-9.4
Swift Current, Sask.	50º 18' N 107º 46' W	Western Prairies	Brown	357	2015	304	10 April	23	-6.4

*1981-2010 average yearly precipitation accumulation. **Based on 0-2.5 C soil temperature trigger date. Initial planting at Dawson Creek, BC in 2015 and 2016, and Edmonton, AB in 2015 occurred after soil temperatures reached 2.5 C, but prior to soils reaching 4 C. Planting delays were due to inaccessibility of trial sites early in the season. In these cases, each successive planting date was delayed so that a differential of 2.5 C in soil temperature between each planting date was maintained.
Source: AAFC | WP GRAPHIC