

## 2018 Metro Canada ET Weather Analysis for Climate Controlled Irrigation

	V a n c o u v e r	C a l g a r y	E d m o n t o n	T o r o n t o	O t t a w a	M o n t r e a l
<b>Key Weather Stats (May-Oct):</b>						
Mean Temperature (Celsius)	15.5	12.6	11.6	18.6	16.8	17.7
Total Rainfall (mm)	246	232	273.7	413.2	513.8	444.6
<b>Key ET Irrigation Stats (May-Oct):</b>						
Moisture Loss - ET (inches)	19.59	23.5	19.5	25.1	19.8	17.8
Moisture Gain - Effective Rain** (inches)	7.21	7	7.5	11.5	10.4	10
Avg days irrigated under Climate Controlled Irrigation	34	39	28	30	19	16

\*\* - Not all rainfall is useful to the plants. Effective Rain factors Maximum Hourly Rainfall Rate and Saturation Allowance

### Notes:

#### Vancouver

- Hot and very dry summer (2nd year running) starting in May - much earlier than last year
- Rainfall 32.2% below normal
- Temps 3.5% above normal

#### Calgary

- Absence of spring and fall, but an extremely hot, dry summer (May-Aug)
- Temps 15.8% above normal (May-Aug)
- More Temperature extremes - 8 days at 30 Celsius or above (normal is 3 days)
- Rainfall down 25.6% from normal

#### Edmonton:

- Tale of two seasons - extremely hot first half (May-Jul), second half (Aug-Oct) cooler than normal
- Hottest ever May in 137 years of record keeping
- Rainfall 14.2% below normal

#### Toronto:

- Overall a hot season with temps 12% above normal
- Rainfall near normal for season thanks to a wetter second half (Aug-Oct)

#### Ottawa:

- Despite record shattering 7/25 rainfall (60mm), rainfall for the season was around normal
- Temps 5.7% above normal

#### Montreal:

- A hot dry summer season leading to above average water use
- Rainfall 15.1% below normal
- Temps 9.3% above normal