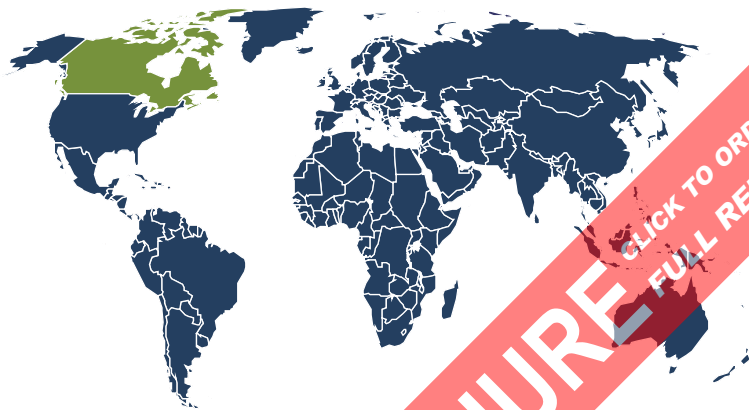




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Cannabis Production: Canada

July 2019



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About This Report

Scope

This report forecasts to 2028 cannabis production volume (in dry pounds) and value (in US dollars and Canadian dollars) at the grower level. Total production by volume and US dollars is segmented by type in terms of:

- marijuana
- hemp

Forecasts are provided for all type segments for 2019, 2023, and 2028. Total production by volume and value as well as by type segment is also provided for 2018.

Total production by volume for 2018 is also segmented by province:

- Alberta
- Saskatchewan
- Manitoba
- Québec
- Ontario
- New Brunswick
- British Columbia
- other provinces and territories

Reported cannabis production numbers in this report refer to:

- all marijuana and hemp – i.e., cannabis containing 0.3% or less tetrahydrocannabinol (THC) – produced by known and/or licensed (annual and temporary) commercial cultivators, whether or not that marijuana ends up on the black market (e.g., sold outside of regulated channels)
- marijuana grown legally by individuals at home

While a significant portion of marijuana produced by these growers is eventually sold through illicit channels, these volumes are included to avoid significant underreporting in the marijuana growing supplies market.

Production volumes and values in this report cover only the dry weight of usable cannabis plant and exclude the value of downstream processing. Also excluded from the scope of this report are:

- marijuana and hemp grown by unknown and unrecorded operations
- marijuana grown illegally by individuals at home

About This Report

- cannabis illegally distributed outside of regulated channels and sold on the black market

Key macroeconomic indicators are also provided with quantified trends. Other various topics are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Cannabis Production: Canada (FA10064) is based on *Cannabis Growing Market in Canada*, a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 6 | NAICS & SIC Codes Related to Cannabis

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
111998	All other miscellaneous crop farming	0139	Field crops, except cash grains, NEC
313110	Fiber, yarn, & thread mills	2299	Textile goods, NEC
325311	Nitrogenous fertilizer mfg	2833	Medicinal chemicals & botanical products
325312	Phosphatic fertilizer mfg	2834	Pharmaceutical preparations
325314	Fertilizer (mixing only) mfg	2873	Nitrogenous fertilizers
325320	Pesticide & other agricultural chemical mfg	2874	Phosphatic fertilizers
325411	Medicinal & botanical mfg	2875	Fertilizers, mixing only
325412	Pharmaceutical preparation mfg	2879	Pesticides & agricultural chemicals, NEC
333111	Farm machinery & equipment mfg	3523	Farm machinery & equipment
333413	Industrial & commercial fan & blower & air purification equipment mfg	3564	Industrial & commercial fans & blowers & air purification equipment
335110	Electric lamp bulb & part mfg	3641	Electric lamp bulbs & tubes
335129	Other lighting equipment mfg	3648	Lighting equipment, NEC
423820	Farm & garden machinery & equipment merchant wholesalers	5083	Farm & garden machinery & equipment

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Resources

The Freedonia Group

Cannabis Growing Market in Canada

Freedonia Industry Studies

Agricultural Pesticide Market in the US

Cannabis Growing Market

General Purpose LEDs & Other High Efficiency Lighting in the US

Global Fertilizers

Global Power Lawn & Garden Equipment

Home & Garden Pesticides

Pesticide Adjuvant Market in the US

Freedonia Focus Reports

Athletic Footwear: United States

Apparel: United States

Cannabis: United States

E-Commerce: Canada

Footwear: United States

Global Fertilizers

Housing: Canada

Pet Supplements: United States

Pharmaceutical Packaging: Canada

Phosphate Rock: United States

Potash: United States

Power Lawn & Garden Equipment: Canada

Self-Storage & Moving Services: United States

Tobacco Products: United States

Freedonia Custom Research

Trade Publications

Cannabis & Tech Today

Cannabis Business Times

Grow Weed Easy

Hemp Industry Daily

Leafly

Marijuana Business Daily

Agencies & Associations

Alberta Gaming, Liquor and Cannabis Commission

About This Report

Alcohol New Brunswick Liquor
Alcohol and Gaming Commission of Ontario
Canadian Cannabis Association
Canadian Hemp Trade Alliance
Cannabis Commerce Association of Canada
Cannabis Council of Canada
Health Canada
Hemp Industries Association
Liquor and Cannabis Regulation Branch of British Columbia
Manitoba Liquor and Lotteries Corporation
Saskatchewan Liquor and Gaming Authority
Société québécoise du cannabis
Statistics Canada