

Bi-weekly Bulletin

June 22, 2006 Volume 19 Number 9

CANADA: PRIMARY PROCESSING OF GRAINS AND OILSEEDS

Canada's primary processing capacity for grains and oilseeds, excluding primary processing of animal feed, has been expanding for the past few years. Most of that growth is attributed to expansions in corn processing, flour milling, and oilseed crushing. Currently, primary processing consumes about one-quarter of Canada's annual production of grains and oilseeds. This issue of the *Bi-weekly Bulletin* examines some of the changes that have occurred within Canada's primary processing industry since 2001-2002.

Background

Canada's agriculture and agri-food sector is important to its economic and social well-being. In 2004, the food manufacturing sector, of which primary processing represented a significant componet, contributed approximately \$17 billion (G) to Canada's Gross Domestic Product (GDP). That same year, primary crop and animal production contributed \$14G to Canada's GDP.

A survey of manufacturers which was conducted by Statistics Canada shows that Canada's food manufacturing sector contributed about 12% of Canada's total manufacturing sales for 2003. The food manufacturing sector ranks a distant second to the transportation equipment manufacturing sector, but it still ranks first in sales for 5 out of 10 Canadian provinces.

Canada's trade in agriculture and agrifood products has averaged \$52G

during the past few years. During this period, Canada exported about \$30G in agriculture and agri-food products annually. Canada has maintained its competitive edge in world markets by adopting innovative agronomic practices, by diversifying into non-traditional crops, and by encouraging value-added activities.

Biofuels, specifically fuel ethanol and biodiesel, are generally produced from grains, oilseeds and animal fats.

CA	NADA: G	RAINS AN	ND OILSE	EDS PRO	CESSI	NG CAPA	CITY		
	EASTERN CANADA			WESTERN CANADA			TOTAL CANADA ^{1/}		
				tonnes per	day of raw	product			
	2001 -2002	2006 -2007	Change	2001 -2002	2006 -2007	Change	2001 -2002	2006 -2007	Change
Wheat Flour Milling	8,257	8,572	3.8%	4,143	4,675	12.8%	12,400	13,247	6.8%
Wheat-Other Processing 2/	400	400	0.0%	492	482	-2.0%	892	882	-1.1%
Durum Milling	1,006	1,064	5.8%	763	717	-6.0%	1,769	1,781	0.7%
Corn Processing	5,785	7,890	36.4%	530	555	4.7%	6,315	8,445	33.7%
Malting Industry	767	717	-6.5%	2,609	2,273	-12.9%	3,376	2,990	-11.4%
Oat Processing	390	260	-33.3%	1,795	2,014	12.2%	2,185	2,274	4.1%
Oilseeds Crushing	6,700	6,700	0.0%	9,075	10,920	20.3%	16,500	17,650	7.0%
Total	23,305	25,603	9.9%	19,407	21,636	11.5%	43,437	47,269	8.8%

^{1/} August-July crop year. Data for oilseed crushing include plants at undetermined locations, in which case regional numbers will not add up to the national total.

Sources: Grain and Milling Annual, Ontario Corn Producers' Association, Canadian Oilseed Processors' Association, Canola Council of Canada, Canadian Wheat Board, and other industry sources.



² Includes ethanol, beverage alcohol, starch, and gluten

Canada's biofuel sector provides Canadian farmers with an opportunity to share the benefits derived from this new market. As well, Canadian farmers, as key stakeholders, will have an opportunity to invest in this important value-added activity and contribute to its success. The Canadian government is working with other levels of government and the private sector to increase capacity for biomass-based plants in Canada. This commitment is a step toward a cleaner global environment as well as providing economic benefits for Canada's agriculture and agri-food sector.

Increasing value-added activities as a means of strengthening the agricultural sector continues to be a priority for Agriculture and Agri-Food Canada (AAFC). The Value Chain Roundtables, which have been held with major stakeholders over the past couple of years, are intended to help ensure that we have a strong and sustainable agricultural sector, one which will benefit all Canadians.

Canada's Primary Processing Sector

Between 2001-2002 and 2006-2007, the primary processing capacity for Canada's grains and oilseeds is expected to increase by about 9% due largely to increased capacity in corn processing, wheat milling, and oilseed crushing. There is, however, a notable decline in capacity expected for the malting barley sector.

In western Canada, primary processing capacity is expected to increase by about 12% as oilseed crushing, wheat milling, and oat processing expand by 20%, 13%, and 12%, respectively.

In eastern Canada, primary processing capacity is expected to increase by about 10%. The increase is due primarily to expanded capacity in corn processing, durum milling, and wheat milling, estimated at 36%, 6%, and 4%, respectively. However,

capacities in the oat processing and malting barley sectors in eastern Canada are expected to decrease by 33% and 7%, respectively.

Wheat Flour Milling

Canada's flour milling industry (including durum) currently accounts for about 3.0 million tonnes (Mt) of Canada's annual wheat disposition. Of the total wheat milled annually, about 70% is Canadian Western Red Spring wheat, 15% is Ontario winter wheat, 10% is durum, and the remaining 5% is made up of other wheat classes.

Canada's flour milling industry grew fairly rapidly in previous decades but the rate of increase has since levelled off. Nevertheless, wheat milling capacity (excluding durum) is increasing from a record high of 12,400 tonnes per day (t/d) in 2001-2002, to an estimated 13,247 t/d for 2006-2007. In western Canada, wheat milling capacity is estimated to have increased by 13% since 2001-2002 versus 4% in eastern Canada.

The increase in Canadian wheat milling capacity is occurring despite the closure of some smaller, less efficient plants. For example, the Archer Daniels Midland Company (ADM) plant in Strathroy, Ontario (ON) has shut down, eliminating about 106 t of daily capacity. At the same time, the \$30M Rogers Food plant in Chilliwack, British Columbia became operational in April 2005, with processing capacity of 332 t/d.

The wheat flour milling industry remains the second largest primary processing industry for Canadian grains and oilseeds.

Durum Milling

Some of Canada's durum milling capacity is categorized as "swing", plants that mill both durum and non-durum wheat. However, one must avoid double counting this capacity because a plant that is processing one

of the two commodities (durum or non-durum) on a given day would not be able to process the other commodity during that same period.

Until November 2003, there were two *swing* plants in Canada, one of which is the now closed ADM plant in Strathroy, ON which had a daily capacity of 106 t/d. The other *swing* plant is the Robin Hood Multifoods plant in Saskatoon, Saskatchewan (SK), where capacity remains virtually unchanged at 453 t/d.

Canada's total durum milling capacity (including *swing*) is estimated at 1,781 t/d, up slightly from 1,769 t/d in 2001-2002. When swing capacity is excluded, durum milling capacity is shown to have actually increased by about 5%. Eastern Canada retains about 60% of Canada's durum milling capacity (including *swing*).

The federal government has committed to a 5% average renewable content requirement in Canadian transportation fuel by 2010. The three federal ministers of Environment, Natural Resources, and Agriculture and Agri-Food, in consultation with provincial and territorial ministers, are working together to increase production of biofuels to help meet the target.

Wheat-Other Processing

Canada's daily capacity for the production of wheat-based ethanol and beverage alcohol remains relatively unchanged from 2001-2002, but there are several ethanol plants either in the planning stage or currently under construction. For example, Husky Energy Inc. of Calgary, Alberta (AB) announced in October 2005 that it will proceed with the construction of a \$145M plant on its existing site in Minnedosa, Manitoba (MB). The new plant will replace the current plant which produces about 10 million litres (ML) of ethanol annually and is expected to be fully operational by mid-2007. The

new plant will use about 350,000 t of wheat to produce 130 ML of ethanol annually. Husky Energy is also building an ethanol plant in Lloydminster, AB with approximately the same expected output as the Minnedosa plant and the plant is scheduled to open in the latter part of 2006. About 250,000 t of dry distillers grain will be produced as a by-product and is expected to be marketed to livestock in western Canada.

The ADM Agri-Industries Company plant, located in Candiac, QC produces gluten and starch from wheat. The daily capacity at this plant is about 400 t/d, unchanged from 2001-2002.

The Ethanol Expansion Program (EEP) and Other Initiatives

The EEP was announced on August 12, 2003, as part of Canada's climate change plan. It is contributing to the expansion of fuel ethanol production and use in Canada and the reduction of transportation-related greenhouse gas (GHG) emissions that contribute to climate change. The program is designed to increase the proportion of our gasoline that is blended with ethanol. The EEP is providing contributions toward the construction of new, or the expansion of existing, fuel ethanol production facilities in Canada.

Saskatchewan has mandated the use of ethanol-blended fuel, beginning in 2005. Under its *Ethanol Fuel Grant Program*, the province provides a 15 cent per litre (¢/L) grant to distributors who blend ethanol within Saskatchewan. In addition to the Husky Energy facility planned for Lloyminster, SK, NorAmera BioEnergy Corporation has announced a 25 ML plant in Weyburn, SK. Both plants will be using wheat as feedstock for ethanol production.

North West Terminal Ltd. (NWT), a farmer-shareholder owned grain terminal located in Unity, SK is moving ahead with plans to build an ethanol

facility. The plans call for the construction of a facility capable of producing up to 25 ML of ethanol per year using about 68,000 t of feedstock. The cost of the plant is estimated at \$34M and the plant is expected to be operational by the fall of 2008. The ethanol facility will operate under a newly formed company called North West BioEnergy Ltd., a wholly owned subsidiary of NWT.

Prospects for increased ethanol production in Canada continue to improve as stakeholders come forward with innovative ideas for enhancing the feasibility of ethanol production. The Saskatchewan government and the Saskatchewan **Ethanol Development Council have** announced a study to determine the feasibility of integrating ethanol production with local feedlot operations. The group contends that using the distiller's grains from a small ethanol plant at an adjoining feedlot eliminates prohibitive drving costs and allows some of the smaller ethanol plants to compete with the big standalone facilities. The project offers a glimpse of future projects that might involve renewable energy sources such as ethanol produced from Prairie grains.

Biodiesel Production in Canada

The development of biodiesel in the US and European Union (EU) has increased rapidly as biodiesel has been widely recognized and encouraged as a viable alternative to petroleum-based fuel. In fact, about half of the rapeseed crushed at ADM's plants in the EU is for use in biodiesel.

According to the Canola Council of Canada, Canada's biodiesel sector would benefit greatly from the following: an equivalency to the United States (US) programs that equates to about 30¢/L on virgin oils; a mandated biodiesel inclusion rate of 5% by 2015; and quality standards that take into account Canada's climatic conditions.

Recent discussions regarding the merits of biodiesel for helping Canada reduce greenhouse gases have improved prospects for the domestic oilseeds sector. Canola oil, as a component of biodiesel, is being touted as a logical choice for this application. Although other vegoils, rendered animal fat, and spent restaurant grease can also be adapted to biodiesel production, proponents argue that canola oil performs better in cold weather and that steadily increasing canola yields are improving the economic feasibility of using canola oil for producing biodiesel.

Canada has established a goal of 500 ML of biodiesel production by 2010. The Canadian Bioenergy Corporation estimates that mandating a 2% biodiesel blend would require about 1.25 Mt of canola seed, or 2.5 Mt of soybeans due to lower oil content. In 2005-2006, Canada produced a record 9.7 Mt of canola, of which 5.0 Mt was exported in seed form. Similarly, a record soybean crop of 3.2 Mt was produced in 2005-2006, of which 1.3 Mt will be exported in seed form. Canada's role in the export market for these commodities could decrease significantly as the production of biodiesel develops. However, unlike the US and the EU, Canada is a net exporter of petroleum and petroleum products, so the rationale for increasing biodiesel production, and the incentives necessary to do so, have to be examined from a very different perspective.

Canada appears to have the production base to support the mandated level of biodiesel production. However, in the US and EU, government incentives have provided some of the business incentives necessary for biodiesel development. Similar incentives may be required in Canada. Increased production of biodiesel from canola and soybeans will help reduce greenhouse gases.

Oilseeds Processing

Canada's oilseed processing capacity is expected to increase by about 7%, to 17,650 t/d. The increase would be almost exclusively in western Canada where existing plants are expanding capacity and a previously idled plant in Ste. Agathe, MB is being put into service. Oilseed processing capacity in eastern Canada is virtually unchanged from five years ago.

AAFC forecasts total oilseed crush for 2006-2007 at 5.2 Mt, up from 4.0 Mt in 2001-2002. The increase in the amount of oilseeds crushed annually is due primarily to increased canola crushing, estimated to have risen by 50% since 2001-2002.

Corn Processing

Canada's corn processing capacity is expected to increase by about 34%, to 8,445 t/d. The increase is due largely to expansion in corn milling and fuel ethanol production. In western Canada, increased processing capacity is largely due to expanded capacity at the Diageo plant in Gimli, MB. In eastern Canada, expanded fuel ethanol capacity at the Commercial Alcohols plant in Chatham, ON, and expansions at the two beverage alcohol facilities (Canadian Mist Distillers in Collingwood, ON, and Schenley Distilling Co. in Valleyfield, QC) will offset lost capacity due to the closure of Nacan Products Limited's corn milling plant in Collingwood, ON. It must be noted, however, that the Nacan plant is currently being converted to ethanol production. In addition, Suncor Energy's ethanol plant, which would use about 1,450 t/d of corn, is expected to become fully operational in 2006.

Malting Barley

Canada's malting capacity is expected to decrease by about 10%, to 2,990 t/d. The decrease in malting capacity is attributed to a steadily

declining domestic market for beer and reduced prospects for exports of barley malt.

Reduced beer consumption in Canada is reflective of an aging population and changes in consumption patterns. In addition to the lower per capita consumption of beer normally associated with an aging population, Canadians are consuming more imported beers, which reduces domestic demand for barley malt. As well, there has been significant growth in the discounted beer market which typically uses less barley malt in the production process.

For the last 20 years, Canada's share of the export market for barley malt has trended upward. More recently, that trend seems to have temporarily reversed. For example, exports of barley malt to Japan have been negatively affected by increased consumption of low-malt and no-malt beer beverages.

Canada's malting industry processes about 1.0 Mt of malting barley annually, of which about 270,000 t is for the domestic beer industry. More than three-quarters of Canada's malting capacity is located in western Canada. Canada Malting, with its plants in Montreal, QC, Thunder Bay, ON and Calgary, AB remains the single largest maltster in Canada, processing just over half of the barley malt produced in Canada. The second largest maltster is Prairie Malt in Biggar, SK, followed by Rahr Malting in Alix, AB and the IMC Canada (Dominion Malting) plant in Winnipeg.

Oat Processing

Canada's oat processing sector has experienced marginal growth in recent years, despite the closure of the ADM Agri-Industries Company plant in Midland, ON. Oat processing plants in western Canada now

account for about 90% of total capacity, versus 80% in 2001-2002.

The largest increases in oat milling capacity during the past five years have been at the Popowich Milling Ltd. plant in Yorkton, SK, and Emerson Milling Inc. in Emerson, MB, which have increased capacity by 60% and 50%, respectively. Can-Oat Milling in Portage la Prairie, MB is expanding processing capacity by 50,000 t, or 150 t/d, to be completed by February 2007. Capacity at The Quaker Oats Company of Canada Limited plant in Peterborough, ON has also increased about 20% since 2001-2002.

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Electronic version available at www.agr.gc.ca/mad-dam/

ISSN 1207-621X AAFC No. 2081/E

Bi-weekly Bulletin is published by the: Market Analysis Division, Marketing Policy and Environment Policy Directorate Strategic Policy Branch Agriculture and Agri-Food Canada. 500-303 Main Street Winnipeg, Manitoba, Canada R3C 3G7

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To receive a free e-mail subscription to Bi-weekly Bulletin, please send your request to bulletin@agr.gc.ca.

Issued also in French under title: Le Bulletin bimensuel ISSN 1207-6228 AAFC No. 2081/F

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		LOUR MILLING			
				сара	-
				,	w product)
COMPANY	OWNERSHIP	LOCATION	PRODUCTS	2001	2006
				-2002	-2007
EASTERN CANADA	And an Desire Miller (100A)	Martin I 00	\A(E_\A(\A(E))	4407	4000
ADM Milling	Archer Daniels Midland (USA)	Montreal, QC	WF, WWF	1167	1339
ADM Milling	Archer Daniels Midland (USA)	Montreal, QC	WF, WWF	502	507
ADM Milling	Archer Daniels Midland (USA)	Midland, ON	WF, WWF	726	725
ADM Milling	Archer Daniels Midland (USA)	Mississauga, ON	WF	423	375
ADM Milling	Archer Daniels Midland (USA)	Strathroy, ON	SWF	106	n/a
ADM Milling	Archer Daniels Midland (USA)	Port Colbourne, ON	WWF, SWF,WWF	865	840
Arva Flour Mills	Independent (CAN)	Arva, ON	SWF, WWF, RF	18	19
Cereal Foods	Cereal Food Processors (USA)	Montreal, QC	WF, WWF	212	215
Dover Mills	Dover Industries (CAN)	Halifax, NS	WF	357	436
Dover Mills	Dover Industries (CAN)	Cambridge, ON	WF	628	629
Golden Gate Mills	Independent (CAN)	Brantford, ON	WWF	n/a	48
	,		SWF	n/a	40
Grain Processing	Independent (CAN)	Scarborough, ON			
Halton Flour Mills	Dover Industries (CAN)	Acton, ON	WF	234	251
Hayhoe Mills	Independent (CAN)	Woodbridge, ON	WF, SWF, WWF	302	303
Kraft Milling	Kraft Foods (USA)	Streetsville, ON	SWF, WF	514	515
New-Life Mills	Parrish and Heimbecker (CAN)	Hanover, ON	WF, SWF	454	453
Port Royal Mills	Independent (CAN)	Aurora, ON	WWF	48	48
Robin Hood Multifoods	International Multifoods (USA)	Montreal, QC	WF	758	997
Robin Hood Multifoods	International Multifoods (USA)	Port Colbourne, ON	WF	800	797
Other	Independent (CAN)	various	WF	143	36
Subtotal	macpendent (OAIV)	various	***	8,257	8,572
Subiotai				0,237	0,372
WESTERN CANADA					
ADM Milling	Archer Daniels Midland (USA)	Winnipeg, MB	WF, SWF, WWF	200	193
•	` ,	. •			
ADM Milling	Archer Daniels Midland (USA)	Medicine Hat, AB	WF	514	496
ADM Milling	Archer Daniels Midland (USA)	Calgary, AB	WF, SWF,WWF	956	925
Ellison Milling	Parrish and Heimbecker (CAN)	Lethbridge, AB	WF, WWF, RF	333	453
Dawn Foods	Dawn Foods (USA)	Saskatoon, SK	WF	375	375
Dawn Foods	Dawn Foods (USA)	Humboldt, SK	WF	30	31
FarmGro Organic Food	Independent (CAN)	Regina, SK	WF	73	n/a
Patterson Global Foods	NutraSun Foods	Regina, SK	WF	n/a	72
Permolex (API)	Independent (CAN)	Red Deer, AB	WF	380	360
Prairie Flour Mills	Independent (CAN)	Elie, MB	WF	181	241
	International Multifoods (USA)	Saskatoon, SK	WF, SWF, WWF	847	847
					041
Robin Hood Multifoods	, ,				202
Rogers Foods	Nisshin Flour Milling Co.	Armstrong, BC	WF, RF, WWF	216	293
Rogers Foods Rogers Foods	Nisshin Flour Milling Co. Nisshin Flour Milling Co.	Armstrong, BC Chilliwack, BC	WF, RF, WWF WF, RF, WWF	216 n/a	332
Rogers Foods	Nisshin Flour Milling Co.	Armstrong, BC	WF, RF, WWF WF, RF, WWF WF	216 n/a 33	332 31
Rogers Foods Rogers Foods	Nisshin Flour Milling Co. Nisshin Flour Milling Co.	Armstrong, BC Chilliwack, BC	WF, RF, WWF WF, RF, WWF	216 n/a	332
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB	WF, RF, WWF WF, RF, WWF WF	216 n/a 33 5 4,143	332 31 25 4,675
Rogers Foods Rogers Foods Schroeder Milling Other	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB	WF, RF, WWF WF, RF, WWF WF	216 n/a 33 5	332 31 25
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB	WF, RF, WWF WF, RF, WWF WF	216 n/a 33 5 4,143	332 31 25 4,675
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various	WF, RF, WWF WF, RF, WWF WF	216 n/a 33 5 4,143	332 31 25 4,675
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING*	WF, RF, WWF WF, RF, WWF WF WF	216 n/a 33 5 4,143 12,400	332 31 25 4,675 13,247
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various	WF, RF, WWF WF, RF, WWF WF	216 n/a 33 5 4,143	332 31 25 4,675
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING*	WF, RF, WWF WF, RF, WWF WF WF	216 n/a 33 5 4,143 12,400	332 31 25 4,675 13,247
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC	WF, RF, WWF WF, RF, WWF WF WF	216 n/a 33 5 4,143 12,400	332 31 25 4,675 13,247
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex)	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB	WF, RF, WWF WF, RF, WWF WF WF WF gluten, starch	216 n/a 33 5 4,143 12,400	332 31 25 4,675 13,247
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol	216 n/a 33 5 4,143 12,400 400	332 31 25 4,675 13,247 400 275 30
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc.	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Independent (CAN) Husky Energy Inc. (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB	WF, RF, WWF WF, RF, WWF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol	216 n/a 33 5 4,143 12,400 400	332 31 25 4,675 13,247 400 275 30 77
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol	216 n/a 33 5 4,143 12,400 400	332 31 25 4,675 13,247 400 275 30
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc.	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Independent (CAN) Husky Energy Inc. (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB	WF, RF, WWF WF, RF, WWF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol	216 n/a 33 5 4,143 12,400 400	332 31 25 4,675 13,247 400 275 30 77
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Independent (CAN) Husky Energy Inc. (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB	WF, RF, WWF WF, RF, WWF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol	216 n/a 33 5 4,143 12,400 400 275 40 77 100	332 31 25 4,675 13,247 400 275 30 77 100
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Independent (CAN) Husky Energy Inc. (CAN) Investments (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK	WF, RF, WWF WF, RF, WWF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492	332 31 25 4,675 13,247 400 275 30 77 100 482
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Independent (CAN) Husky Energy Inc. (CAN) Investments (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB	WF, RF, WWF WF, RF, WWF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492	332 31 25 4,675 13,247 400 275 30 77 100 482
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Husky Energy Inc. (CAN) Investments (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892	332 31 25 4,675 13,247 400 275 30 77 100 482 882
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892	332 31 25 4,675 13,247 400 275 30 77 100 482 882
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Husky Energy Inc. (CAN) Investments (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892	332 31 25 4,675 13,247 400 275 30 77 100 482 882
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling ADM Milling ADM Milling	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892	332 31 25 4,675 13,247 400 275 30 77 100 482 882
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling ADM Milling Howson & Howson	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) Investments (CAN) Archer Daniels Midland (USA) Archer Daniels Midland (USA)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol durum products durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892	332 31 25 4,675 13,247 400 275 30 77 100 482 882
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling ADM Milling ADM Milling Howson & Howson	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK Montreal, QC Port Colbourne, ON Blyth, ON	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol durum products durum products durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892	332 31 25 4,675 13,247 400 275 30 77 100 482 882
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling ADM Milling Howson & Howson Kraft Milling Others	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN) Primo Foods (USA)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON Blyth, ON Woodbridge, ON	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol durum products durum products durum products durum products durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892 266 79 363 272	332 31 25 4,675 13,247 400 275 30 77 100 482 882
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling ADM Milling ADM Milling Howson & Howson Kraft Milling Others Subtotal Control Co	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN) Primo Foods (USA)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON Blyth, ON Woodbridge, ON	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol durum products durum products durum products durum products durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892 266 79 363 272 26	332 31 25 4,675 13,247 400 275 30 77 100 482 882
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling Howson & Howson Kraft Milling Howson & Howson Kraft Milling Others Subtotal WESTERN CANADA	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN) Primo Foods (USA) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON Blyth, ON Woodbridge, ON various	WF, RF, WWF WF, RF, WWF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892 266 79 363 272 26 1,006	332 31 25 4,675 13,247 400 275 30 77 100 482 882 267 72 399 272 55 1,064
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling Howson & Howson Kraft Milling Others Subtotal WESTERN CANADA Ellison Milling	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN) Primo Foods (USA) Independent (CAN) Primo Foods (USA) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON Blyth, ON Woodbridge, ON various Lethbridge, AB	WF, RF, WWF WF, RF, WWF WF WF WF duten, starch ethanol, flour gluten beverage alcohol ethanol ethanol ethanol ethanol durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892 266 79 363 272 26 1,006	332 31 25 4,675 13,247 400 275 30 77 100 482 882 267 72 399 272 55 1,064
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling Howson & Howson Kraft Milling Others Subtotal WESTERN CANADA Ellison Milling FarmGro Organic Food	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN) Primo Foods (USA) Independent (CAN) Parrish and Heimbecker (CAN) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON Blyth, ON Woodbridge, ON various Lethbridge, AB Regina, SK	WF, RF, WWF WF, RF, WWF WF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892 266 79 363 272 26 1,006	332 31 25 4,675 13,247 400 275 30 77 100 482 882 267 72 399 272 55 1,064 236 n/a
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling Howson & Howson Kraft Milling Others Subtotal WESTERN CANADA Ellison Milling FarmGro Organic Food Robin Hood Multifoods	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN) Primo Foods (USA) Independent (CAN) International Multifoods (USA)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON Blyth, ON Woodbridge, ON various Lethbridge, AB Regina, SK Saskatoon, SK	WF, RF, WWF WF, RF, WWF WF WF WF duten, starch ethanol, flour gluten beverage alcohol ethanol ethanol ethanol ethanol durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892 266 79 363 272 26 1,006	332 31 25 4,675 13,247 400 275 30 77 100 482 882 267 72 399 272 55 1,064 236 n/a 453
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling Others Subtotal WESTERN CANADA Ellison Milling FarmGro Organic Food Robin Hood Multifoods Other	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) DURI Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN) Primo Foods (USA) Independent (CAN) Parrish and Heimbecker (CAN) Independent (CAN)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON Blyth, ON Woodbridge, ON various Lethbridge, AB Regina, SK	WF, RF, WWF WF, RF, WWF WF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892 266 79 363 272 26 1,006	332 31 25 4,675 13,247 400 275 30 77 100 482 882 267 72 399 272 55 1,064 236 n/a 453 28
Rogers Foods Rogers Foods Schroeder Milling Other Subtotal Total EASTERN CANADA ADM Milling WESTERN CANADA API Grain Processors (Permolex) Highwood Distillers Husky Energy Inc. Pound-Maker Agventures Subtotal Total EASTERN CANADA ADM Milling Howson & Howson Kraft Milling Others Subtotal WESTERN CANADA Ellison Milling FarmGro Organic Food Robin Hood Multifoods	Nisshin Flour Milling Co. Nisshin Flour Milling Co. Independent (CAN) Independent (CAN) Independent (CAN) WHEAT-OTH Archer Daniels Midland (USA) Independent (CAN) Independent (CAN) Investments (CAN) Investments (CAN) Archer Daniels Midland (USA) Archer Daniels Midland (USA) Independent (CAN) Primo Foods (USA) Independent (CAN) International Multifoods (USA)	Armstrong, BC Chilliwack, BC Camrose, AB various HER PROCESSING* Candiac, QC Red Deer, AB High River, AB Minnedosa, MB Lanigan, SK JM MILLING Montreal, QC Port Colbourne, ON Blyth, ON Woodbridge, ON various Lethbridge, AB Regina, SK Saskatoon, SK	WF, RF, WWF WF, RF, WWF WF WF WF gluten, starch ethanol, flour gluten beverage alcohol ethanol ethanol durum products	216 n/a 33 5 4,143 12,400 400 275 40 77 100 492 892 266 79 363 272 26 1,006	332 31 25 4,675 13,247 400 275 30 77 100 482 882 267 72 399 272 55 1,064 236 n/a 453

Note: (WF) wheat flour, (WWF) whole wheat flour, (SWF) soft wheat flour, (RF) rye flour

n/a: not available

Source: Milling and Baking Annual, Bakers Journal, AAFC and industry estimates

^{*} Includes ethanol, beverage alcohol, starch, and gluten

		ROCESSING		capac	citv
				(t/d of rav	
COMPANY	OWNERSHIP	LOCATION	PRODUCTS	2001 -2002	200 -200
EASTERN CANADA				-2002	-200
Commercial Alcohols	Independent (CAN)	Tiverton, ON	ethanol	150	17
Commercial Alcohols	Independent (CAN)	Chathan, ON	ethanol	990	1,10
Powerstream Corp.	National Starch (USA)	Collingwood, ON	ethanol	n/a	40
Suncor Energy	Suncor Energy (USA)	Sarnia, ON	ethanol	n/a	1,45
Subtotal	Suncor Energy (USA)	Janua, ON	etilarioi	1,140	3,12
Canadian Mist Distillers	Brown Foreman (USA)	Collingwood, ON	beverage alcohol	105	11
Hiram Walker	Allied Domecq Spirit & Wine (UK)	Windsor, ON	beverage alcohol	50	
	Pernod Ricard (France)		=		
Seagram	, ,	Amherstburg, ON	beverage alcohol	45	
Schenley Distilling Inc. Subtotal	Constellation Co (USA)	Valleyfield, QC	beverage alcohol	230 430	25 40
Casco Inc.	Corn Products Int'l Inc. (USA)	London ON	corn storch sweeteners	1.600	1.6
Casco Inc.		London, ON	corn starch, sweeteners	1,600	1,6
	Corn Products Int'l Inc. (USA)	Port Colbourne, ON	corn starch, sweeteners	1,000	1,3
Casco Inc.	Corn Products Int'l Inc. (USA)	Cardinal, ON	corn starch	1,250	1,3
King Milling	Lauhoff (Swiss)	Chatham, ON	BG, CF, CM	110	1
Nacan	National Starch (USA)*	Collingwood, ON	corn starch, sweeteners	255	r
Subtotal* Fotal Eastern Canada				4,215 5,785	4,3 7,8
				3,700	7,0
VESTERN CANADA Alberta Distillers	Jim Beam Brands Inc (USA)	Calgary, AB	beverage alcohol	175	1
Black Velvet Distilling Co	Constellation Co (USA)	Lethbridge, AB	beverage alcohol	140	1
Diageo	Pernod Ricard (France)	Gimli, MB	beverage alcohol	215	2
Diageo Subtotal	r emou modiu (France)	OHIHI, IVID	Develage diculial	530	5
otal				6,315	8,4
	MAI TIN	G INDUSTRY			
	MAETIN	O INDOOTICT			
EASTERN CANADA Canada Malting	Tiger Oats (South Africa)	Montreal, QC	barley malt	292	2
Canada Malting	Tiger Oats (South Africa)	Thunder Bay, ON	barley malt	475	4
ubtotal	riger outs (ooutir/timou)	mander bay, on	bancy mair	767	7
VESTERN CANADA					
					8
Canada Malting	Tiger Oats (South Africa)	Calgary AB	harley malt	950	
Canada Malting MC Canada (Dominion)	Tiger Oats (South Africa) Sumitomo (Japan) and IMC (USA)	Calgary, AB Winnipeg, MB	barley malt barley malt	950 314	
MC Canada (Dominion)	Sumitomo (Japan) and IMC (USA)	Winnipeg, MB	barley malt	314	3
MC Canada (Dominion) Gambrinus Malting	Sumitomo (Japan) and IMC (USA) Independent (CAN)	Winnipeg, MB Armstrong, BC	barley malt barley malt		3
MC Canada (Dominion) Gambrinus Malting Prairie Malt	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA)	Winnipeg, MB	barley malt barley malt barley malt	314 30	3 6
MC Canada (Dominion) Gambrinus Malting Prairie Malt Rahr Malting (USA) Subtotal	Sumitomo (Japan) and IMC (USA) Independent (CAN)	Winnipeg, MB Armstrong, BC Biggar, SK	barley malt barley malt	314 30 804 511 2,609	3 6 4 2,2
MC Canada (Dominion) Gambrinus Malting Prairie Malt Rahr Malting (USA) Bubtotal	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA)	Winnipeg, MB Armstrong, BC Biggar, SK	barley malt barley malt barley malt	314 30 804 511	3 6 4
MC Canada (Dominion) Sambrinus Malting Prairie Malt Rahr Malting (USA)	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA)	Winnipeg, MB Armstrong, BC Biggar, SK	barley malt barley malt barley malt	314 30 804 511 2,609	3 6 4 2,2
MC Canada (Dominion) Sambrinus Malting Prairie Malt Rahr Malting (USA) Subtotal Fotal	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB	barley malt barley malt barley malt barley malt	314 30 804 511 2,609 3,376	3 6 4 2, 2
MC Canada (Dominion) Sambrinus Malting trairie Malt tahr Malting (USA) Subtotal CASTERN CANADA DM Milling	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB	barley malt barley malt barley malt barley malt	314 30 804 511 2,609 3,376	2,i 2,i
MC Canada (Dominion) sambrinus Malting rarine Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT Pl Archer Daniels Midland (USA) Quaker Oats (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON	barley malt barley malt barley malt barley malt	314 30 804 511 2,609 3,376	2,3
MC Canada (Dominion) ambrinus Malting rarier Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB	barley malt barley malt barley malt barley malt	314 30 804 511 2,609 3,376	2,; 2,;
MC Canada (Dominion) ambrinus Malting rarier Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT Pl Archer Daniels Midland (USA) Quaker Oats (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON	barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products	314 30 804 511 2,609 3,376	2, 2,
AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT Pl Archer Daniels Midland (USA) Quaker Oats (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON	barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products	314 30 804 511 2,609 3,376	2, 2,
MC Canada (Dominion) ambrinus Malting raririe Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON	barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour	314 30 804 511 2,609 3,376 165 165 60 390	2, 2,
MC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal MESTERN CANADA DIeste Node Node Node Node Node Node Node Nod	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON	barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour	314 30 804 511 2,609 3,376 165 165 60 390	2, 2,
AC Canada (Dominion) ambrinus Malting rarine Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA Dherta Oats Ltd an-Oat Milling an-Oat Milling merson Milling	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB	barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products	314 30 804 511 2,609 3,376 165 60 390	2,4
IC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal astern Canada Di Milling uaker Oats mucker Foods ubtotal ESTERN CANADA berta Oats Ltd an-Oat Milling an-Oat Milling mersson Milling popowich Milling	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK	barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products	314 30 804 511 2,609 3,376 165 165 60 390 331 350 550 100 250	2, 2,
AC Canada (Dominion) ambrinus Malting rarine Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA liberta Oats Ltd an-Oat Milling an-Oat Milling merson Milling moever Foods ubter Foods ubtotal	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK	barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products oat flour	314 30 804 5111 2,609 3,376 165 165 60 390 331 350 550 100 250 124	2, 2,
AC Canada (Dominion) ambrinus Malting rarine Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA liberta Oats Ltd an-Oat Milling an-Oat Milling merson Milling mucker Foods //estglen Milling	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK	barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products	314 30 804 511 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90	2, 2,
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AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal VESTERN CANADA iberta Oats Ltd an-Oat Milling merson Milling merson Milling merson Milling mucker Foods vester Foods	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB	barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products oat flour	314 30 804 511 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90 1795	2, 2,
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MC Canada (Dominion) sambrinus Malting rarine Malt rarine Malt rahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling rusker Oats mucker Foods ubtotal //ESTERN CANADA Iberta Oats Ltd an-Oat Milling merson Milling merson Milling mucker Foods //estglen Milling //	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB	barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products	314 30 804 511 2,609 3,376 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2,
AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal Datal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal VESTERN CANADA Iderta Oats Ltd ana-Oat Milling an-Oat Milling merson Milling mucker Foods estglen Milling mucker Foods estglen Milling mucker Foods data ASTERN CANADA DM Agri-Industries Company	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEED Archer Daniels Midland (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB	barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products	314 30 804 5111 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2, 2, 3,
AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA Derta Oats Ltd an-Oat Milling an-Oat Milling merson Milling merson Milling merson Milling an-Oat Milling an-Oat Milling an-Oat Milling merson Milling merson Milling mocker Foods //estglen Milling ubtotal ASTERN CANADA DM Agri-Industries Company unge Canada	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEED Archer Daniels Midland (USA) Bunge North America	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB DS CRUSHING Windsor, ON Hamilton, ON	barley malt barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour oat flour, oat products oat flour oat flour, oat products	314 30 804 511 2,609 3,376 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,
AC Canada (Dominion) ambrinus Malting rarier Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA Iberta Oats Ltd an-Oat Milling mucker Foods ubtotal //ESTERN CANADA Iberta Oats Ltd an-Oat Milling mucker Foods versements of Milling mucker Foods //estglen Milling mucker Foods //estglen Milling wubtotal otal ASTERN CANADA DM Agri-Industries Company unge Canada unfield Oilseeds	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEED Archer Daniels Midland (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB	barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products	314 30 804 5111 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2, 3, 3, 3, 3, 3,
MC Canada (Dominion) sambrinus Malting rarine Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling tuaker Oats mucker Foods ubtotal VESTERN CANADA Liberta Oats Litt dian-Oat Milling merson Milling merson Milling merson Milling mucker Foods vestglen Milling dubtotal ASTERN CANADA DM Agri-Industries Company unge Canada unfield Oilseeds ubtotal	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEED Archer Daniels Midland (USA) Bunge North America	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB DS CRUSHING Windsor, ON Hamilton, ON	barley malt barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour oat flour, oat products oat flour oat flour, oat products	314 30 804 511 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2, 3, 3, 3, 3, 3,
AC Canada (Dominion) ambrinus Malting rarine Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA Iberta Oats Ltd an-Oat Milling merson Milling merson Milling merson Milling merson Milling merson Milling merson Milling mucker Foods //estglen Milling ubtotal ASTERN CANADA DM Agri-Industries Company unge Canada unfield Oilseeds ubtotal //ESTERN CANADA	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEED Archer Daniels Midland (USA) Bunge North America	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB DS CRUSHING Windsor, ON Hamilton, ON	barley malt barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour oat flour, oat products oat flour oat flour, oat products	314 30 804 511 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2, 2, 3,
MC Canada (Dominion) sambrinus Malting rarbrinus Malting rarine Malt rarine Malting mucker Foods restglen Milling mucker Foods restglen Milling mucker Foods restglen Milling destglen Milling ubtotal rarine Maltine ra	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) OILSEED Archer Daniels Midland (USA) Bunge North America Independent (CAN)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrrhead, AB DS CRUSHING Windsor, ON Hamilton, ON Wingham, ON	barley malt barley malt barley malt barley malt barley malt barley malt oat flour, oat products	314 30 804 511 2,609 3,376 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2, 3, 3, 6,
AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling ruaker Foods ubtotal VESTERN CANADA liberta Oats Ltd an-Oat Milling an-Oat Milling merson Milling mucker Foods vestglen Milling dubtotal ASTERN CANADA DM Agri-Industries Company unge Canada unfield Oilseeds ubtotal VESTERN CANADA DM Agri-Industries Company ssociated Proteins LP	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEED Archer Daniels Midland (USA) Bunge North America Independent (CAN) Archer Daniels Midland (USA)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrrhead, AB DS CRUSHING Windsor, ON Hamilton, ON Wingham, ON	barley malt barley malt barley malt barley malt barley malt barley malt oat flour, oat products	314 30 804 511 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2, 2, 3, 3, 3, 6, 6, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal VESTERN CANADA Derta Oats Ltd an-Oat Milling an-Oat Milling merson Milling opowich Milling mucker Foods (estglen Milling mucker Foods vestglen Milling mucker Foods (estglen Milling merson Milling merso	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEET Archer Daniels Midland (USA) Bunge North America Independent (CAN) Archer Daniels Midland (USA) Independent (CAN)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB DS CRUSHING Windsor, ON Hamilton, ON Wingham, ON Lloydminister, AB Ste. Agathe, MB	barley malt barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour, oat products oat flour oat products oat flour, oat products oat flour oat flour, oat products oat flour oat products oat flour oat flour oat products oat flour oat products oat flour oat products oat flour oat products	314 30 804 5111 2,609 3,376 165 60 390 331 350 550 100 250 124 90 1795 2185	2, 2, 3, 3, 3, 6, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA Iberta Oats Ltd an-Oat Milling merson Milling mucker Foods ubtotal //ESTERN CANADA DM Agri-Industries Company unge Canada	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) OILSEED Archer Daniels Midland (USA) Bunge North America Independent (CAN) Archer Daniels Midland (USA) Independent (CAN)	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB DS CRUSHING Windsor, ON Hamilton, ON Wingham, ON Lloydminister, AB Ste. Agathe, MB Altona, MB	barley malt barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour oat flour, oat products	314 30 804 511 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90 1795 2185 3,600 3,000 100 6,700 2,000 n/a 1,000	2, 2, 2, 3, 3, 3, 6, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
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AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal VESTERN CANADA DM Milling an-Oat Milling an-Oat Milling prowich Milling mucker Foods (estglen Milling merson Milling mucker Foods (estglen Milling mucker Fo	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEED Archer Daniels Midland (USA) Bunge North America Independent (CAN) Bunge North America	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB OS CRUSHING Windsor, ON Hamilton, ON Wingham, ON Lloydminister, AB Ste. Agathe, MB Altona, MB Nipawin, SK Fort Sask., AB	barley malt oat flour, oat products oat flour oat products oat flour oat flour, oat products oat flour oat products oat flour oat products	314 30 804 511 2,609 3,376 165 165 165 165 165 165 165 16	2, 2, 3, 3, 3, 6, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
AC Canada (Dominion) ambrinus Malting rarier Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA Iberta Oats Ltd an-Oat Milling mucker Foods ubtotal //ESTERN CANADA Iberta Oats Ltd an-Oat Milling mucker Foods verse of the Milling mucker Foods //Estglen Milling mucker Foods //estglen Milling mucker Foods //estglen Milling ubtotal ASTERN CANADA DM Agri-Industries Company unge Canada unfield Oilseeds ubtotal //ESTERN CANADA DM Agri-Industries Company sociated Proteins LP unge Canada	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) OILSEED Archer Daniels Midland (USA) Bunge North America Independent (CAN) Bunge North America	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB OS CRUSHING Windsor, ON Hamilton, ON Wingham, ON Lloydminister, AB Ste. Agathe, MB Altona, MB Nipawin, SK Fort Sask., AB Harrowby, MB	barley malt barley malt barley malt barley malt barley malt barley malt oat flour, oat products oat flour oat flour, oat products act flour oat flour, oat products	314 30 804 511 2,609 3,376 165 165 165 160 390 331 350 550 100 250 124 90 1795 2185 3,600 3,000 100 6,700 2,000 n/a 1,000	2, 2, 2, 3, 3, 3, 6, 6, 2,
MC Canada (Dominion) iambrinus Malting rarine Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling tuaker Oats mucker Foods ubtotal VESTERN CANADA liberta Oats Ltd ran-Oat Milling merson Milling merson Milling merson Milling mucker Foods vestglen Milling dopowich Milling mucker Foods vestglen Milling ubtotal otal	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) OILSEED Archer Daniels Midland (USA) Bunge North America Independent (CAN) Bunge North America	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colibourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB OS CRUSHING Windsor, ON Hamilton, ON Wingham, ON Lloydminister, AB Ste. Agathe, MB Altona, MB Nipawin, SK Fort Sask., AB Harrowby, MB Clavet, SK	barley malt oat flour, oat products oat flour oat flour, oat products oat flo	314 30 804 511 2,609 3,376 165 165 60 390 331 350 550 100 250 124 90 1795 2185 3,600 3,000 100 6,700 2,000 n/a 1,000 7,000 1,400 2,000 1,400 2,000 1,400 2,000 1,400 2,000 1,400 1,400 2,000 1,400 1,400 2,000 1,400	2, 2, 2, 3, 3, 3, 6, 4, 1, 1, 1, 1, 2, 2, 1, 2,
AC Canada (Dominion) ambrinus Malting rairie Malt ahr Malting (USA) ubtotal otal ASTERN CANADA DM Milling uaker Oats mucker Foods ubtotal //ESTERN CANADA Iberta Oats Ltd an-Oat Milling merson Milling opowich Milling dubtotal otal ASTERN CANADA DM Agri-Industries Company unge Canada	Sumitomo (Japan) and IMC (USA) Independent (CAN) SWP and Cargill (CAN, USA) Rahr Malting (USA) OAT PI Archer Daniels Midland (USA) Quaker Oats (USA) International Multifoods (USA) Independent (CAN) SWP (CAN) SWP (CAN) Independent (CAN) Grain Millers (USA) International Multifoods (USA) ConAgra (USA) OILSEED Archer Daniels Midland (USA) Bunge North America Independent (CAN) Bunge North America Bunge Independent (CAN) JRI International	Winnipeg, MB Armstrong, BC Biggar, SK Alix, AB ROCESSING Midland, ON Peterborough, ON Port Colbourne, ON Edmonton, AB Portage la Prairie, MB Saskatoon, SK Emerson, MB Yorkton, SK Saskatoon, SK Barrhead, AB DS CRUSHING Windsor, ON Hamilton, ON Wingham, ON Lloydminister, AB Ste. Agathe, MB Altona, MB Nipawin, SK Fort Sask., AB Harrowby, MB Clavet, SK Lethbridge, AB	barley malt oat flour, oat products oat flour oat flour, oat products oat flour, oat products oat flour oat flour, oat products can flour, oat products soybeans soybeans canola	314 30 804 511 2,609 3,376 165 165 165 165 165 165 165 16	2, 2, 2, 3, 3, 3, 3, 6, 4, 1, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 2, 1, 1, 1, 1, 2, 1, 1, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,

Note: (BG) brewers grit (CF) corn flour, (CM) corn meal, (CS) corn starch n/a: not available

* the recently closed National Starch plant in Collingwood is being converted to ethanol production

** plant closed

Source: Milling and Baking Annual, Bakers Journal, AAFC and industry estimates