

About Canola

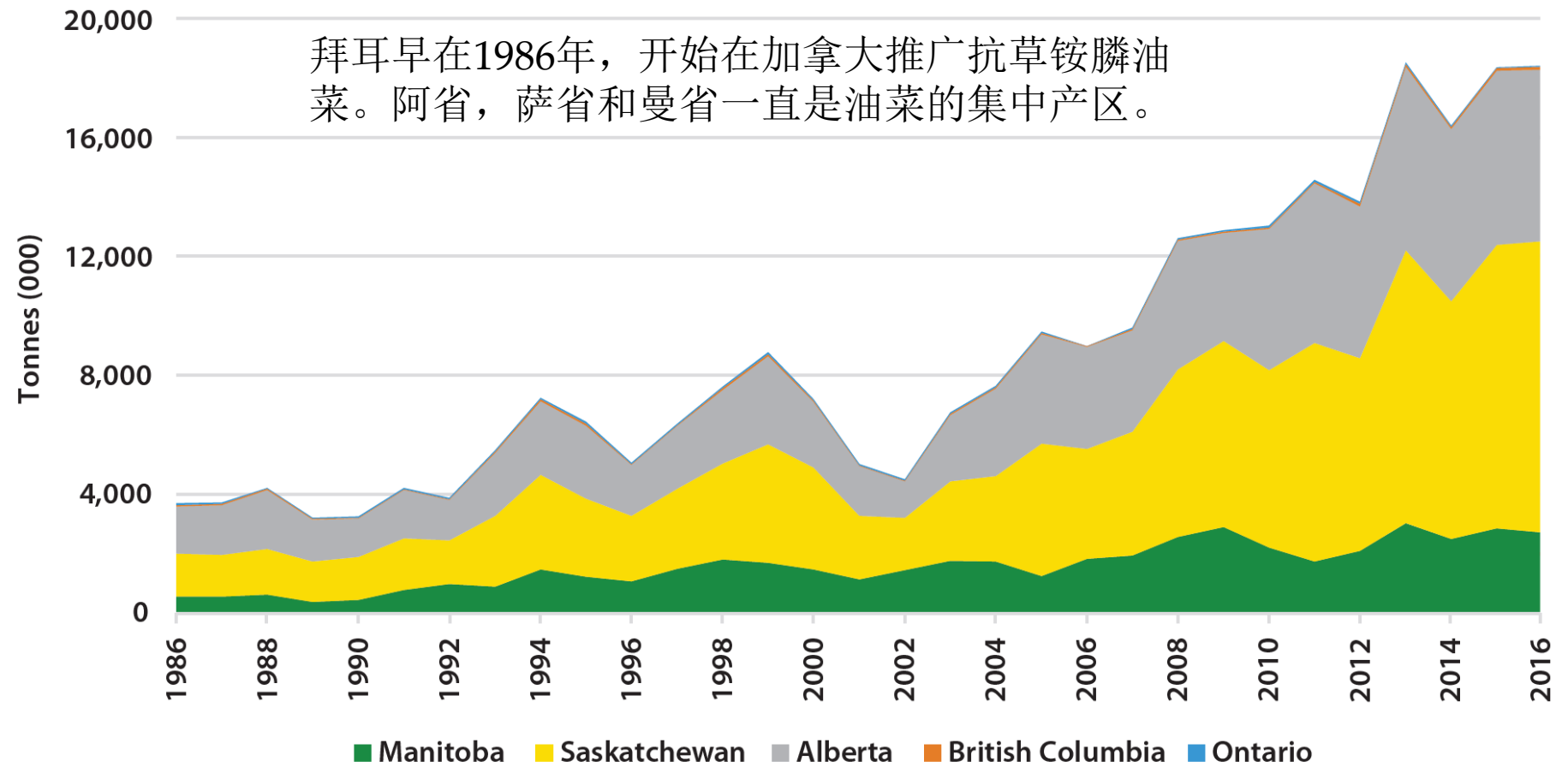
关于加拿大油菜

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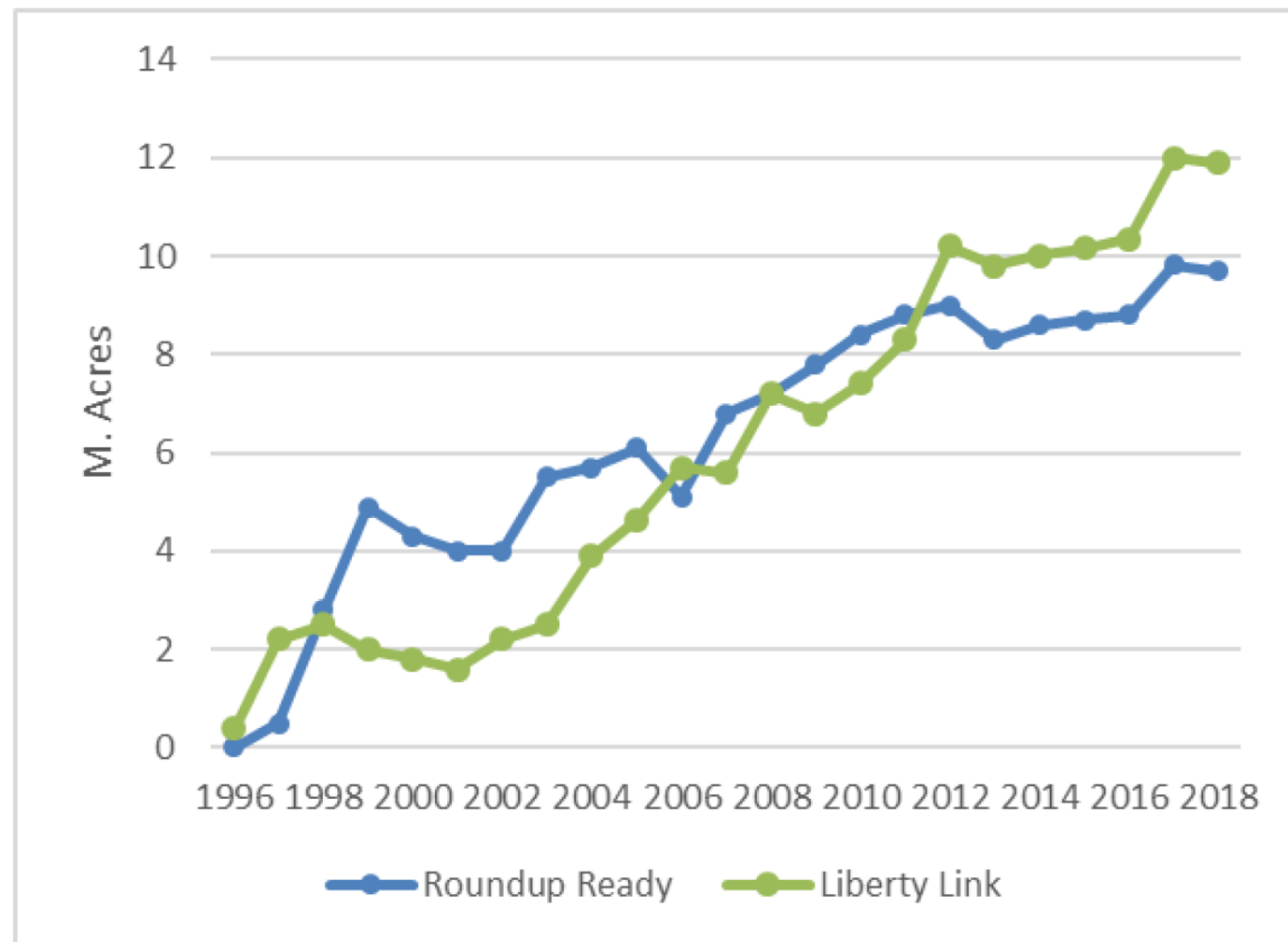
A Growing Supply of Canadian Canola





Canadian Area Planted with Herbicide Tolerant Canola

Liberty Link Canola 抗草铵膦油菜已经占全部油菜面积的55%，并且有上升趋势，这都是抗草甘膦的杂草惹的祸。BASF没有权利限制其他generic 草铵膦在油菜上使用。



2018 Total = 21.6 million acres

世界上，有A, B, C, D四大粮商，其中有三大粮商在加拿大建有油菜加工厂。

Canola Processing Facilities Across Canada

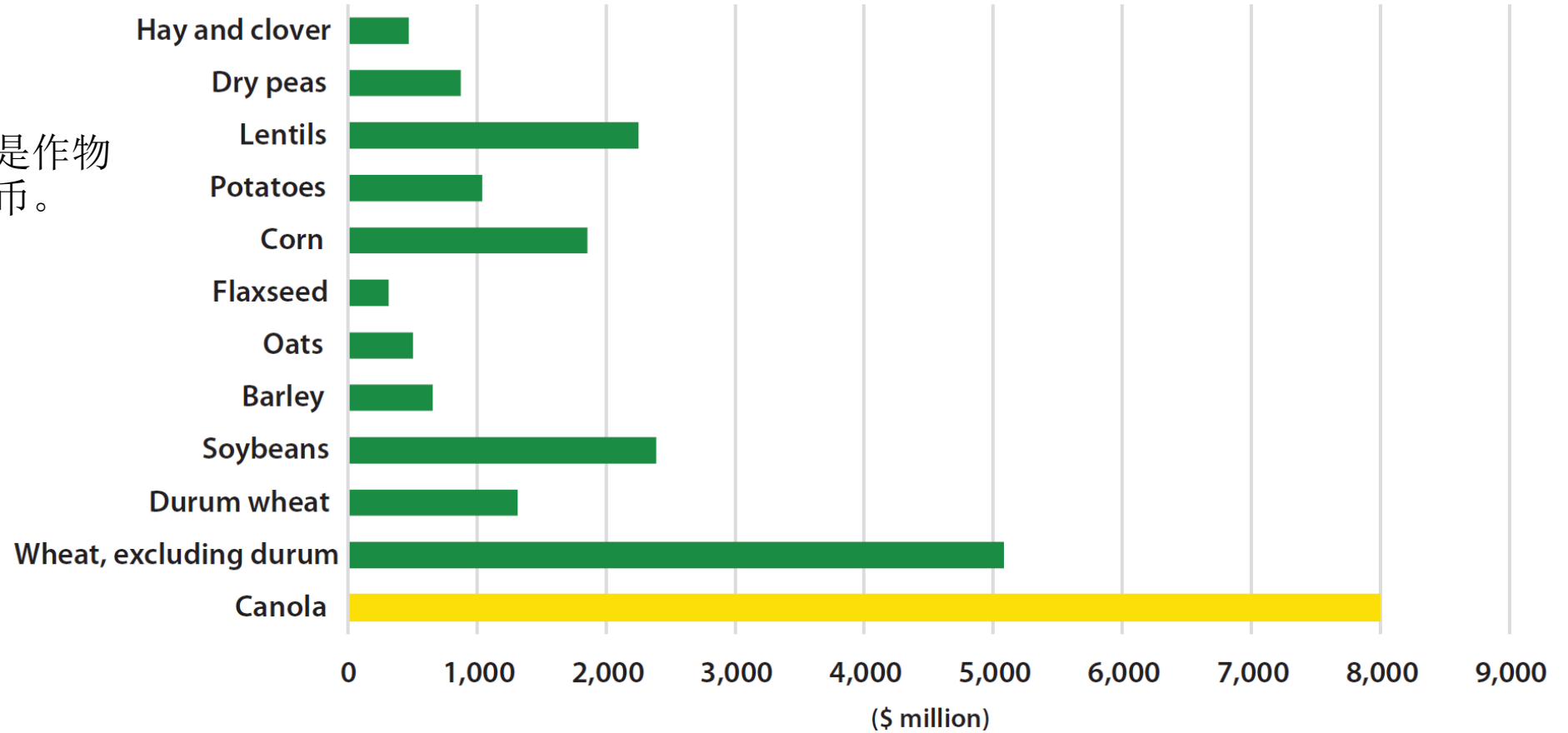


Source: Canadian Oilseed Producers Association

*Eastern plants crush canola and soybeans

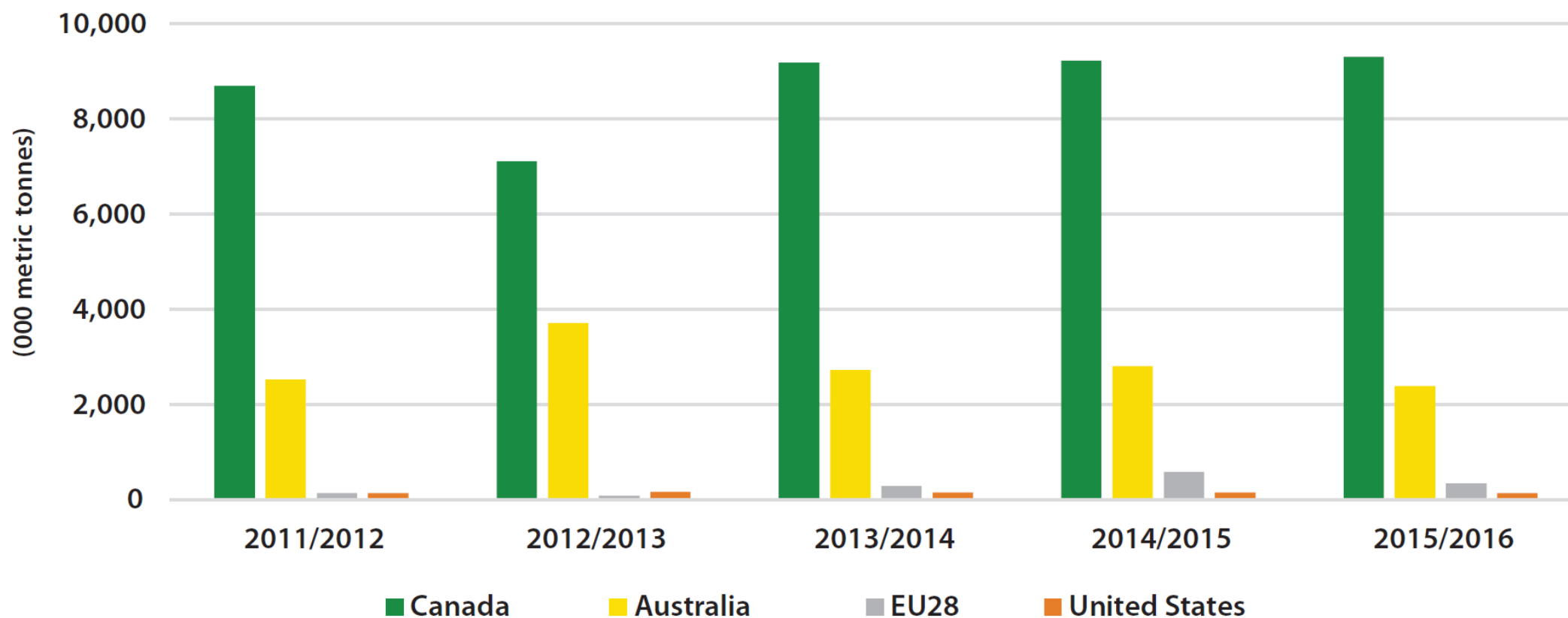
2015 Farm Cash Receipts

加拿大统计局数据，油菜是作物中市值最高的，达80亿加币。



Source: Statistics Canada

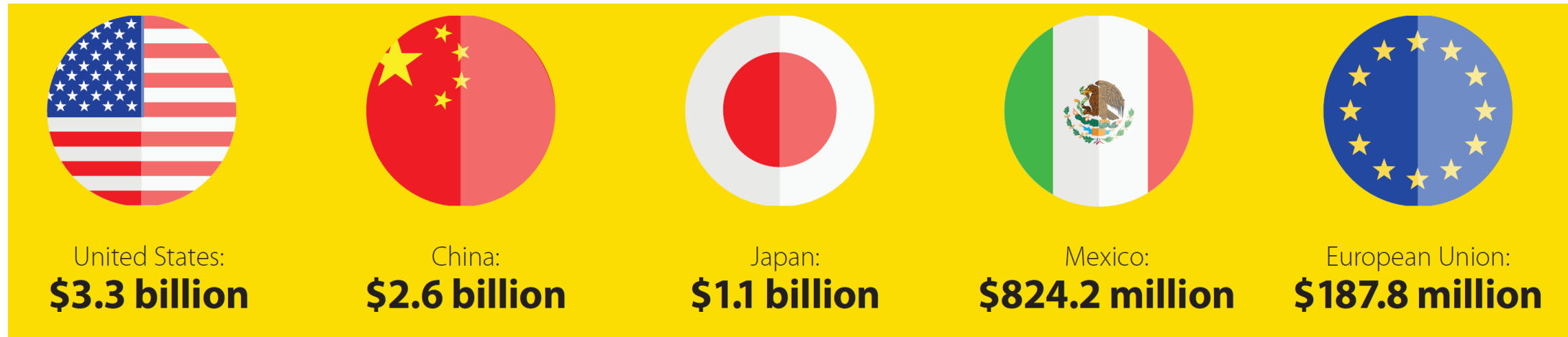
Exports of Canola Seed



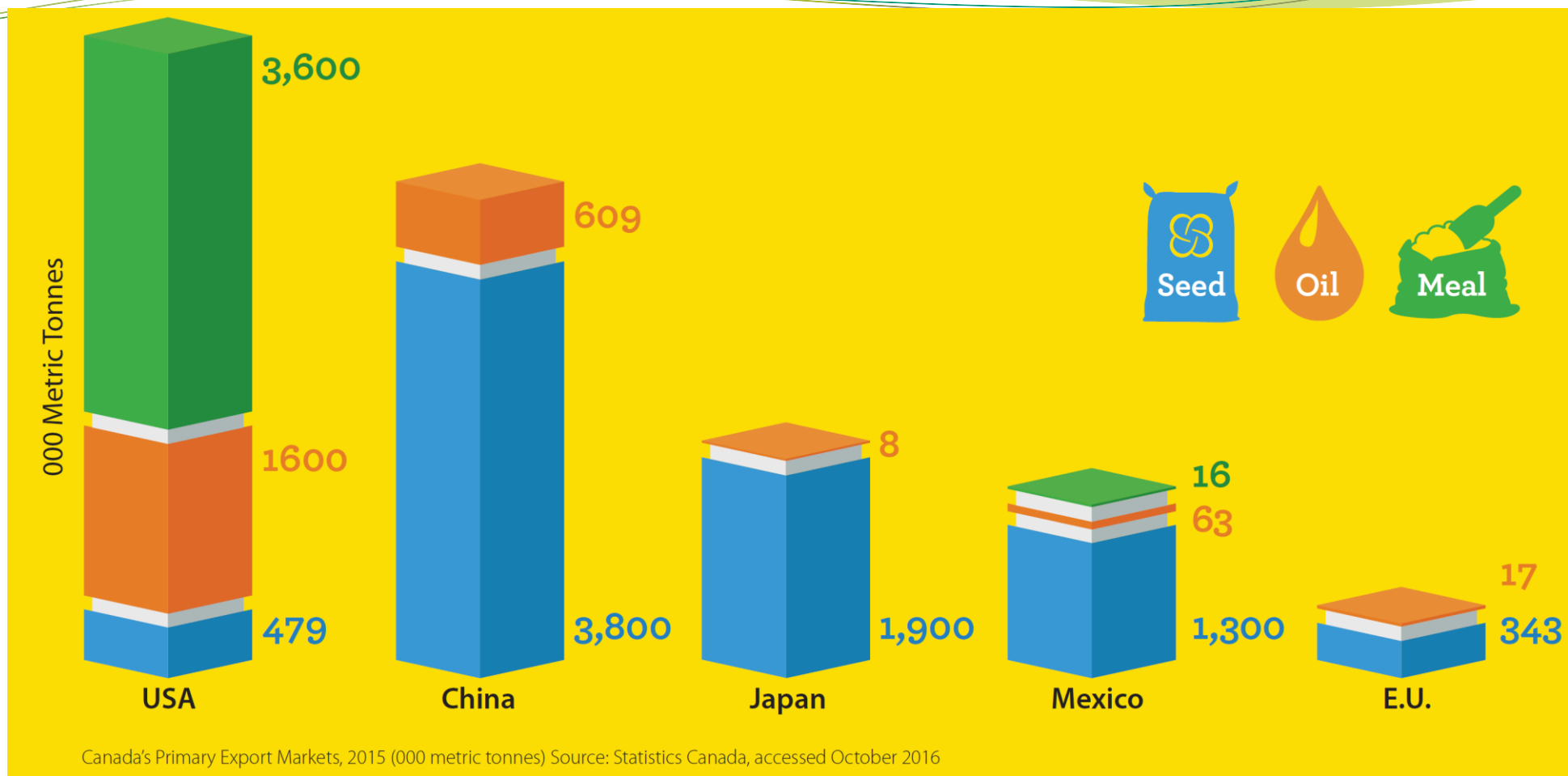
Source: USDA

美国农业部比较了加拿大，澳洲，欧盟和美国的油菜籽出口吨位。加拿大一马当先，年出口量达900万吨。

Value of select export markets:

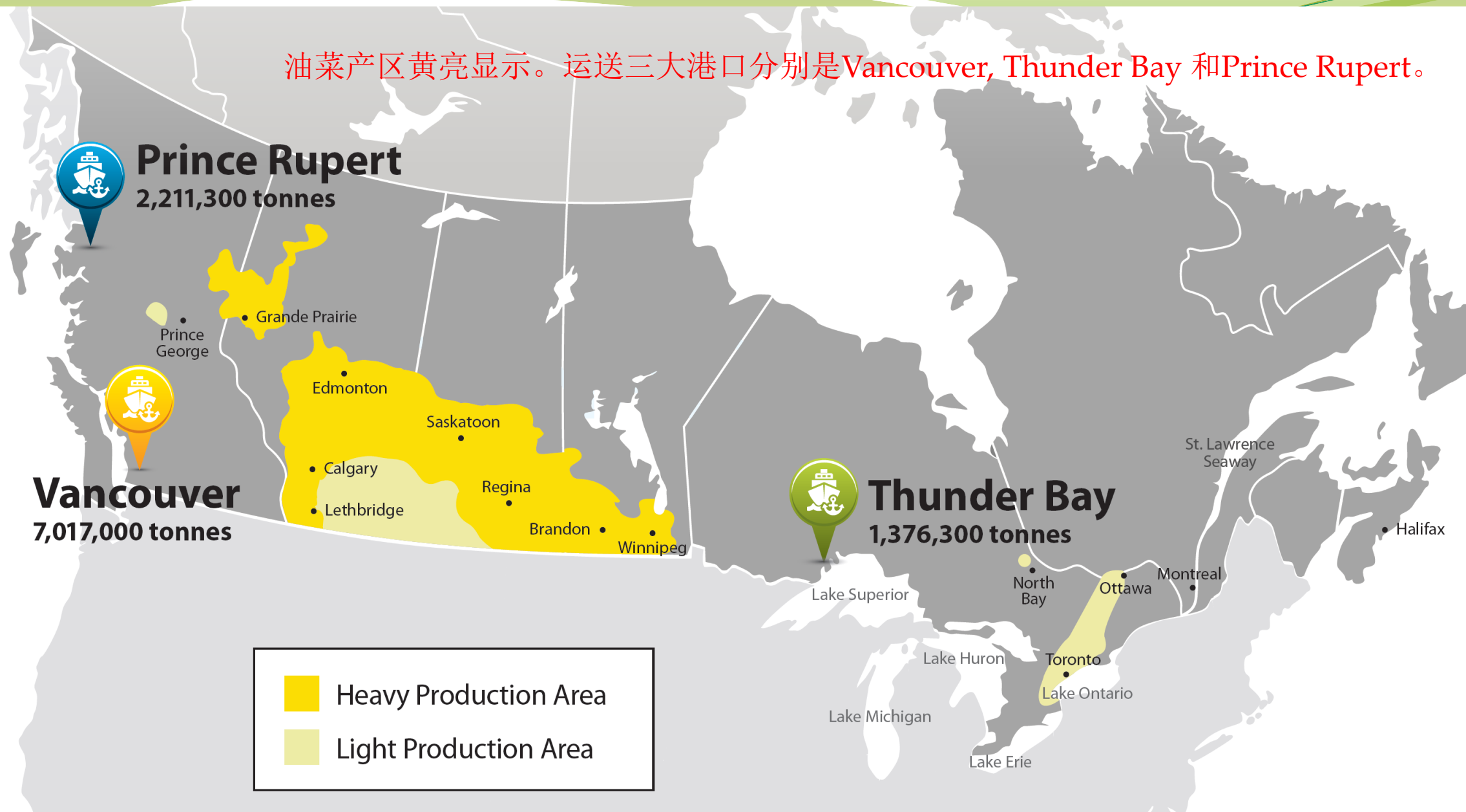


美国，中国，日本是加拿大油菜三大出口对象国。



中国主要进口加拿大油菜籽，也进口少量的油菜油。

油菜产区黄亮显示。运送三大港口分别是Vancouver, Thunder Bay 和Prince Rupert。



Canola may be grown primarily in Western Canada, but its economic impact is felt by all Canadians. Some highlights include:

油菜产业对加拿大GDP的贡献巨大。



\$19.3 billion/year
contributed to Canadian
economy.



Canola industry employs
249,000 Canadians,
plus thousands more in
markets where canola is
exported.



Provides **\$12.5 billion**
in employee wages.

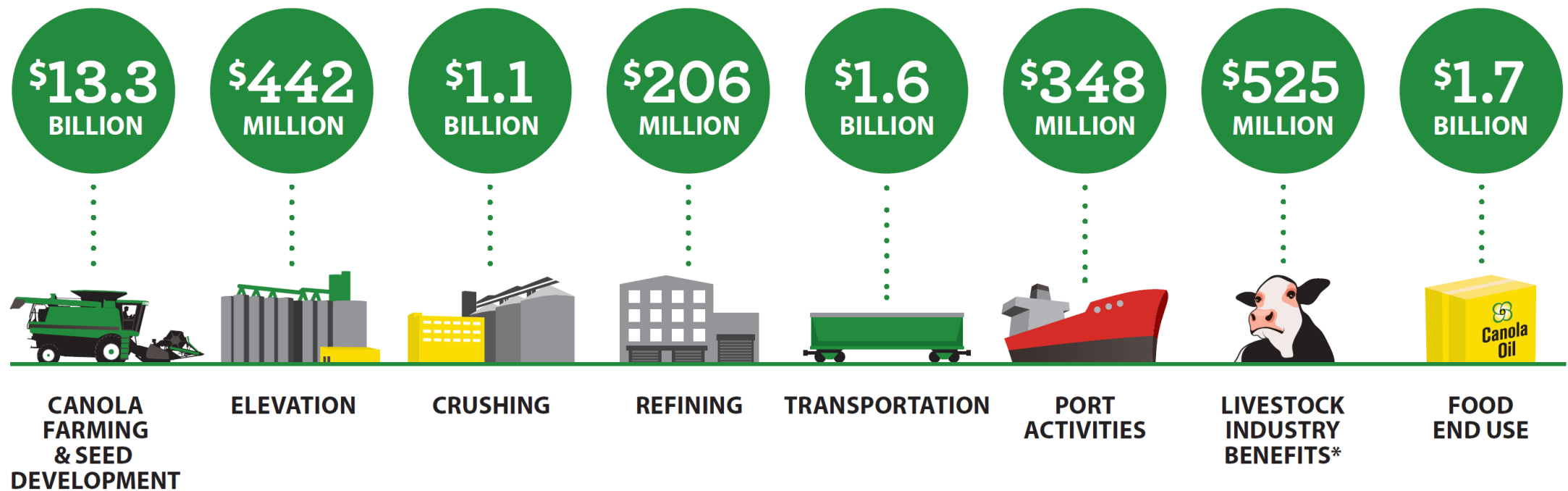


Diverse job market:
seed development, farming,
canola seed handling,
transportation, crushing
and refining.

IMPACT BY VALUE CHAIN SEGMENT

油菜价值链细分

Three-year average, 2009 - 10 to 2011 - 12



*Increased milk production or cost savings when canola meal is used in feed.



HANSON PRODUCT ROADMAP

2019-2022

3 Years Plan

The products Hanson has
registered at PMRA

- ✓ Glufosinate ammonium technical
- ✓ Glufosinate ammonium 200 SN
- ✓ S-metolachlor technical 99%
- ✓ Florasulam technical 98%
- ✓ Clomazone technical
- ✓ Boscalid technical 98%

