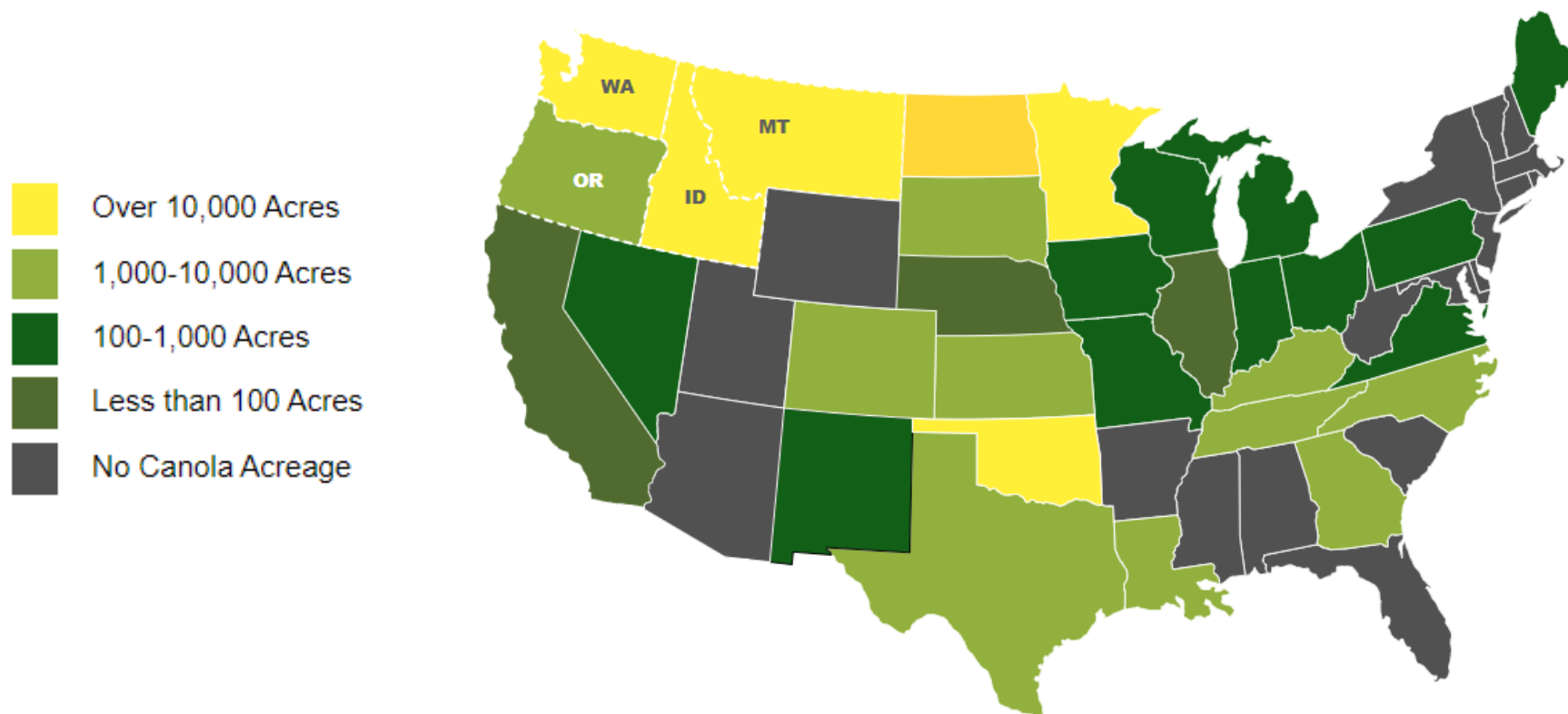




**WASHINGTON OILSEED
CROPPING SYSTEMS**
*Part of the Washington State
Biofuels Initiative*

**Ian Burke
Surendra Singh**

PNW canola production



2022 Canola Acreage

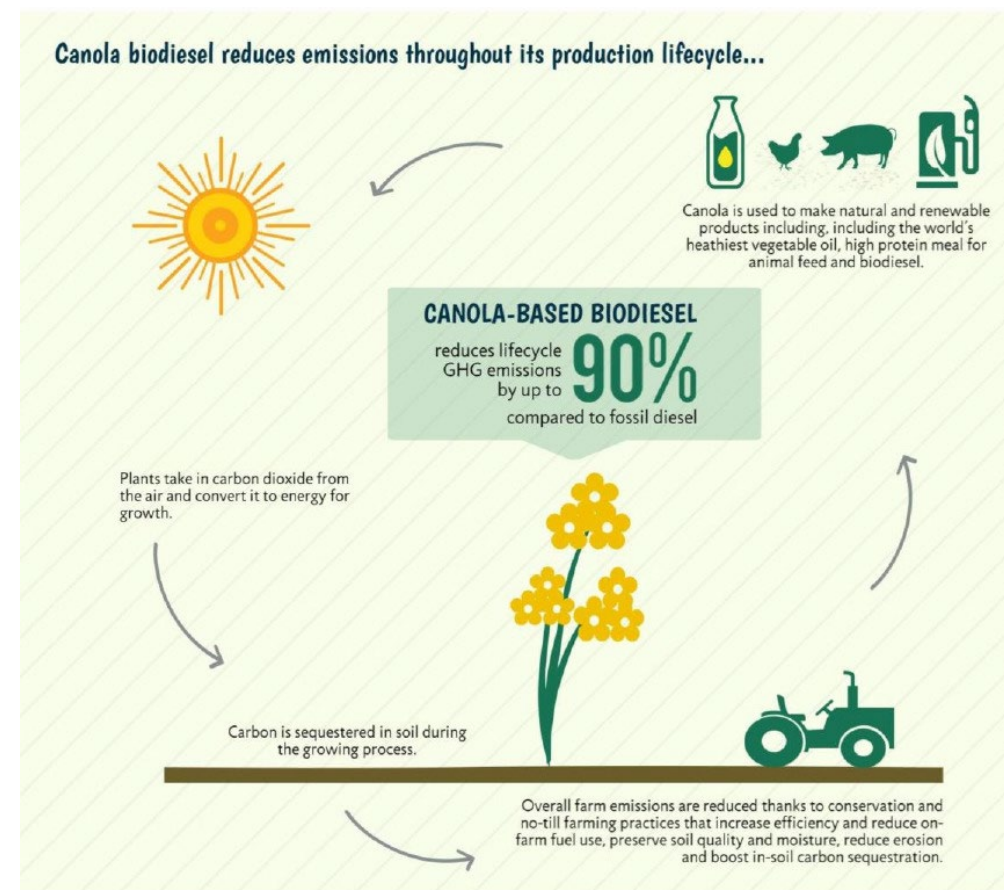
- **MT: 168,526 Acres**
- **WA: 118,501 Acres**
- **ID: 69,889 Acres**
- **OR: 7,023 Acres**

In PNW, ~408,000 acres (preliminary 2023 data)

Overall Program Objective

Increase sustainable regional crop feedstock production to support regional biofuel industries.

Increase the current ~20-30,000 acres feedstock crops to ~500,000-1,000,000 acres to meet near term ground and air transportation demands.



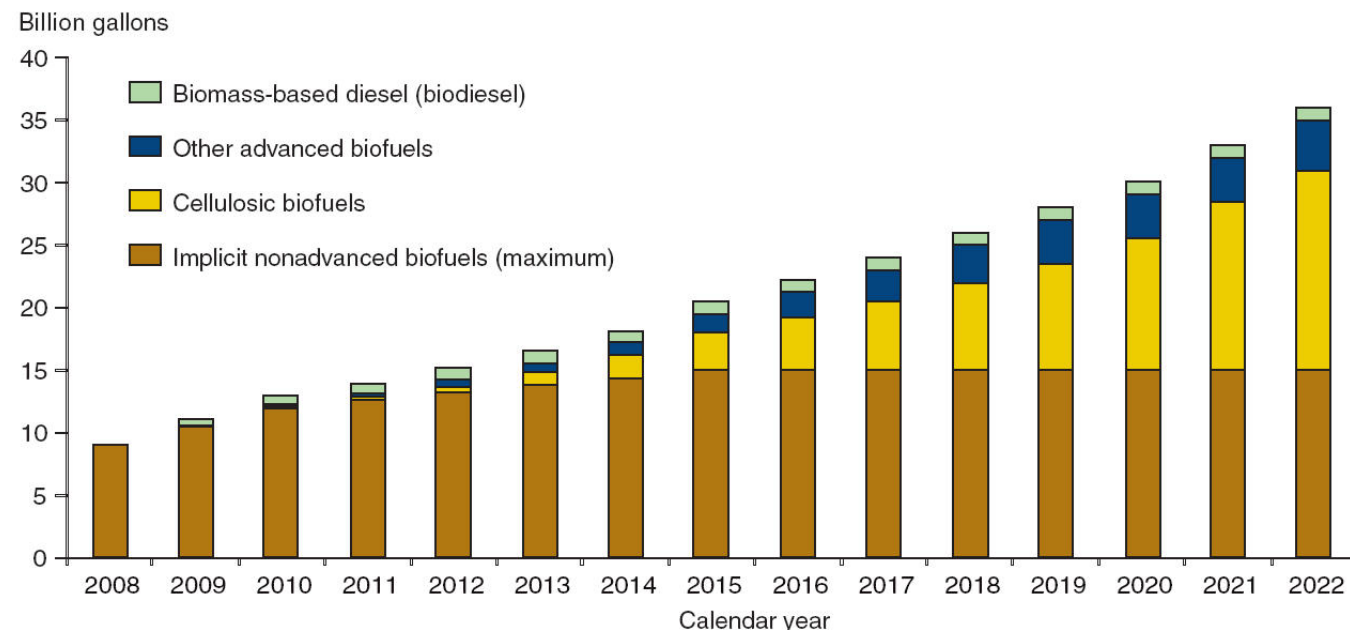
Market for biodiesel is especially strong along the West Coast

- Renewable Fuel Standards (RFS)
 - Federal RFS2
 - Requires 36 billion gallons of renewable transportation fuel by 2022
 - Our neighbors
 - Oregon: 5% biodiesel in all diesel since 2011
 - British Columbia: 4% biodiesel
 - California: Low Carbon Fuel Standard (LCFS)
 - Washington’s 2% biodiesel requirement

- Industry Renewable Fuel Initiatives
 - Military
 - Commercial Aviation

- Government Use Requirements

Renewable fuel standard (RFS) mandate, by type, 2008-22



**State and federal policy
continue to support biofuels**

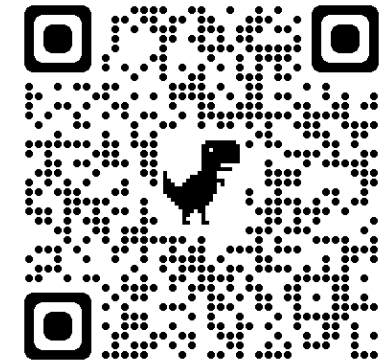
Research Investment at WSU

Washington Biofuels Cropping Systems

- Initiated in August 2007.
- Initial state funding was \$500,000 annually, now \$300,000/yr.
- Rebranded in 2013:

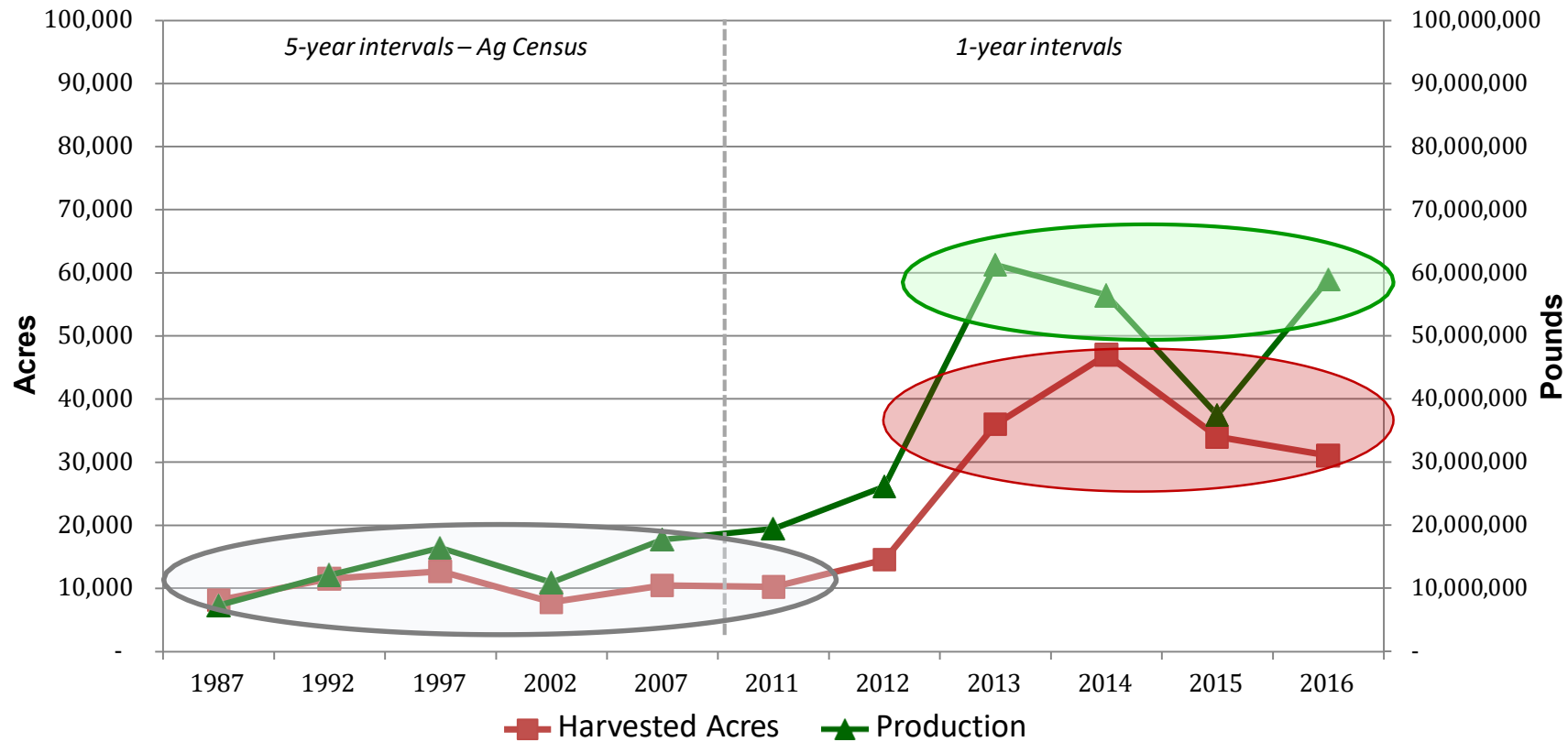
WA Oilseed Cropping Systems

- 15-20 projects each year; interdisciplinary research & extension team in different areas.
- **Goal:** Increase oilseed acreage from <1% to 10% of crop acreage by 2020.



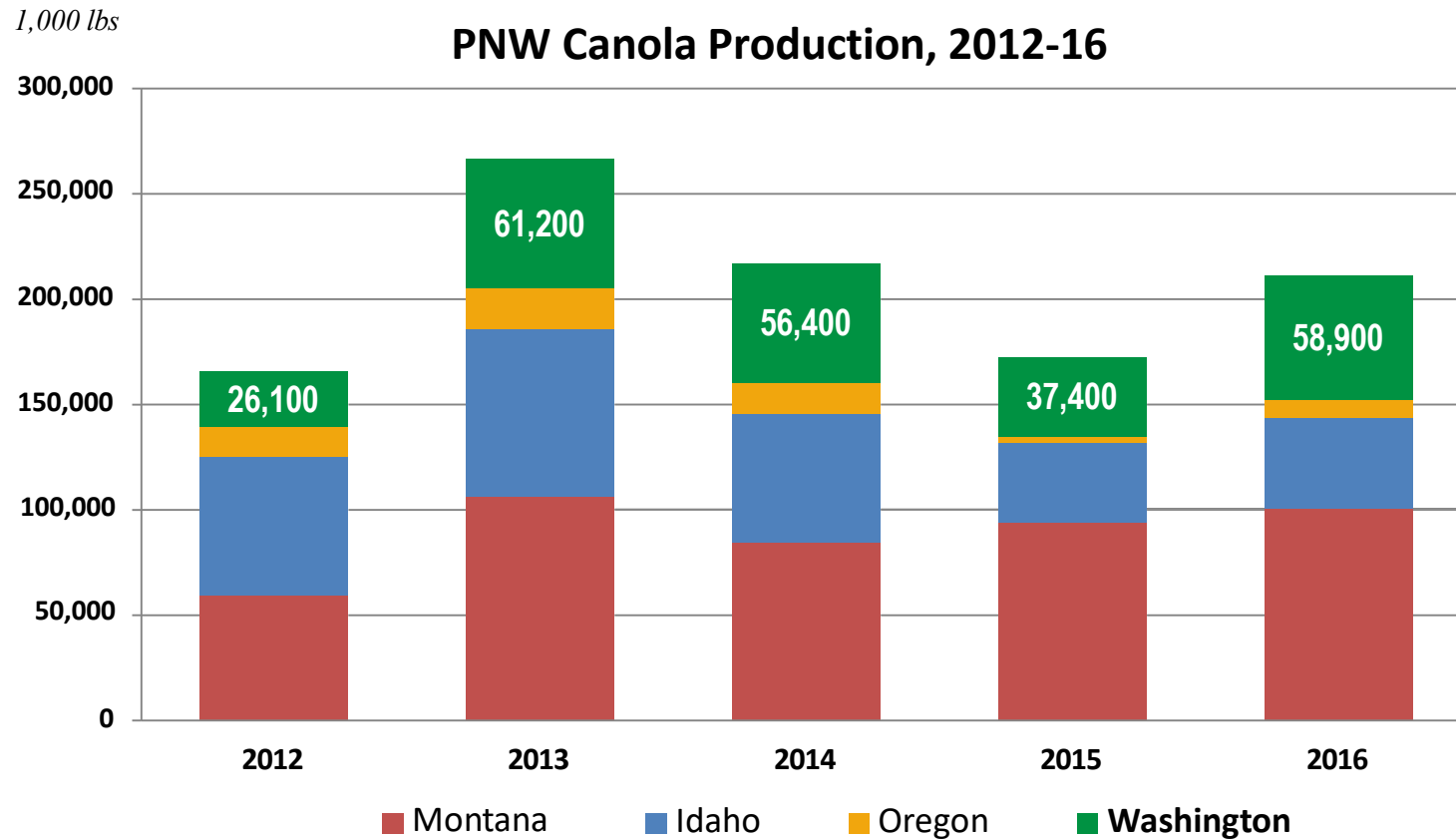
History of WA Canola Production

WA Canola Production 1987-2016

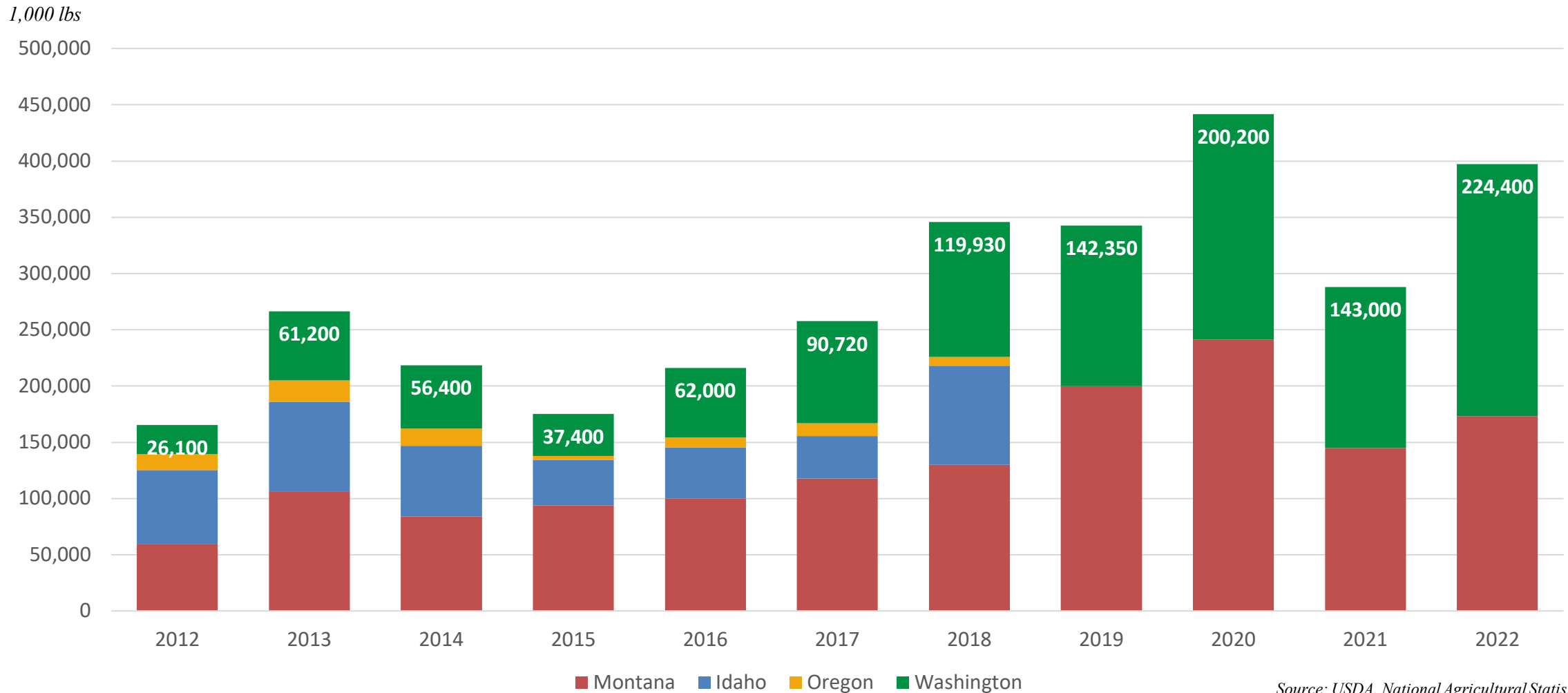


Source: USDA, National Agricultural Statistics Service

WA was producing 25% of PNW Canola in 2016



In 2022, WA Produced Nearly Half of PNW Canola



Source: USDA, National Agricultural Statistics Service

1,000 lbs

250,000

200,000

150,000

100,000

50,000

0

2012

2013

2014

2015

2016

2017

2018

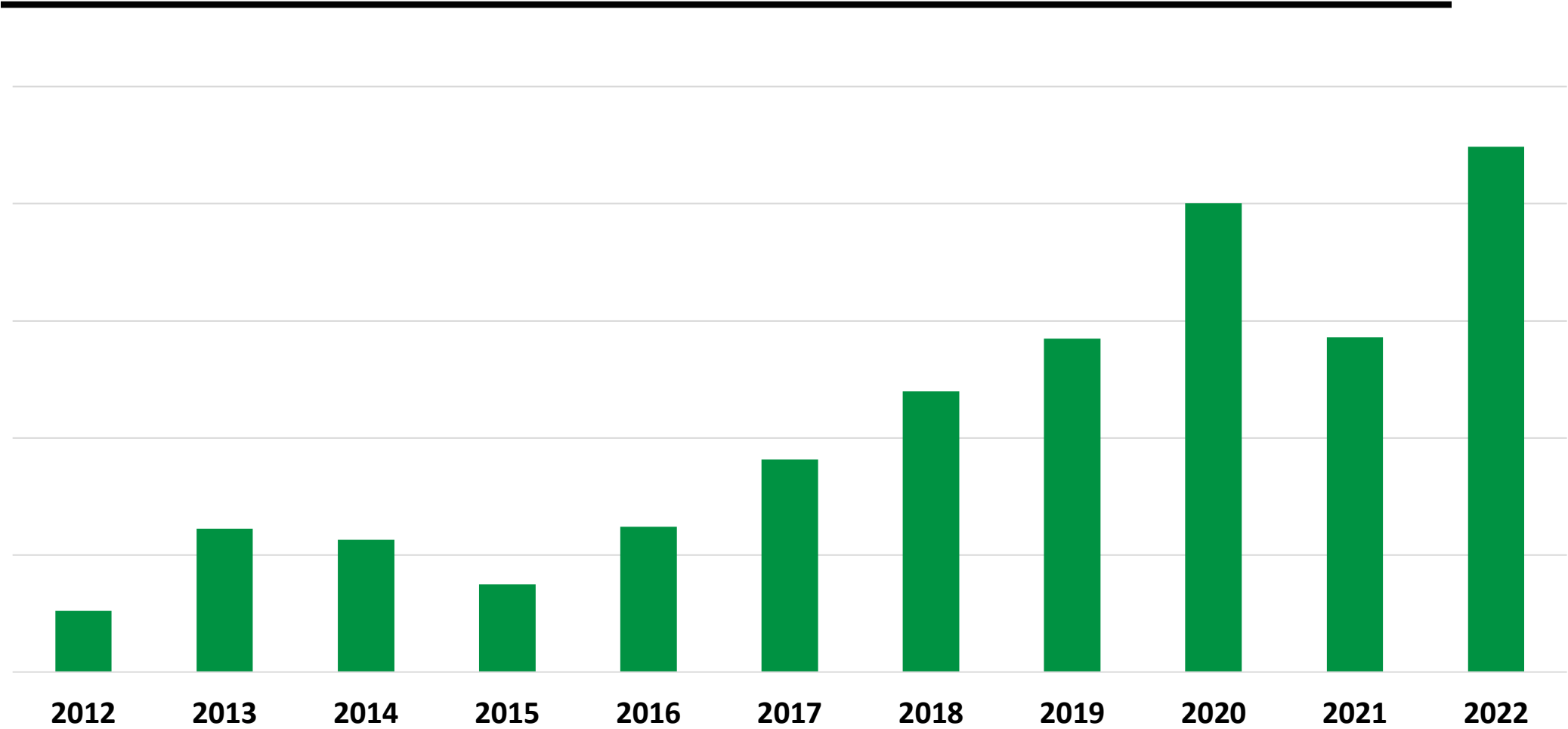
2019

2020

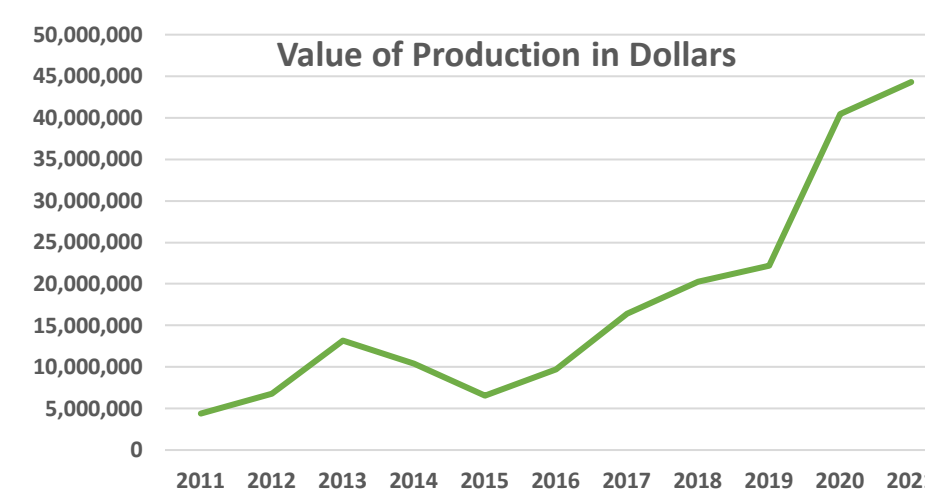
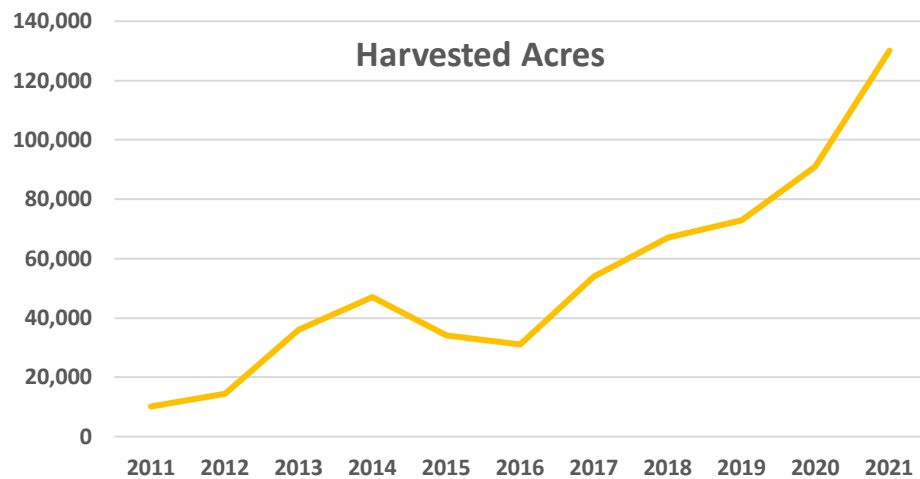
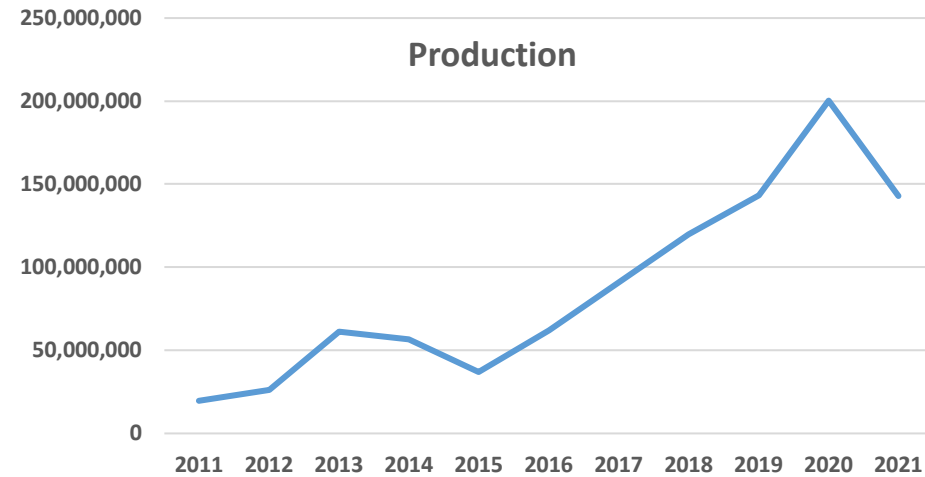
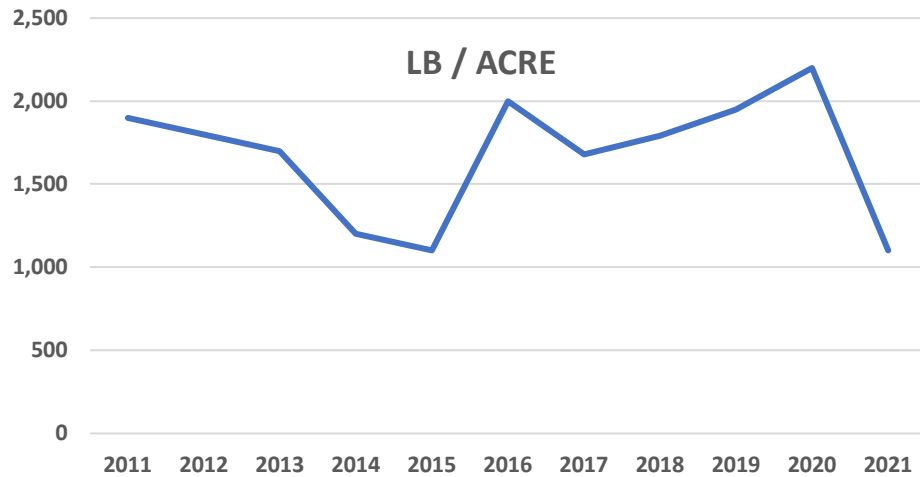
2021

2022

■ Washington

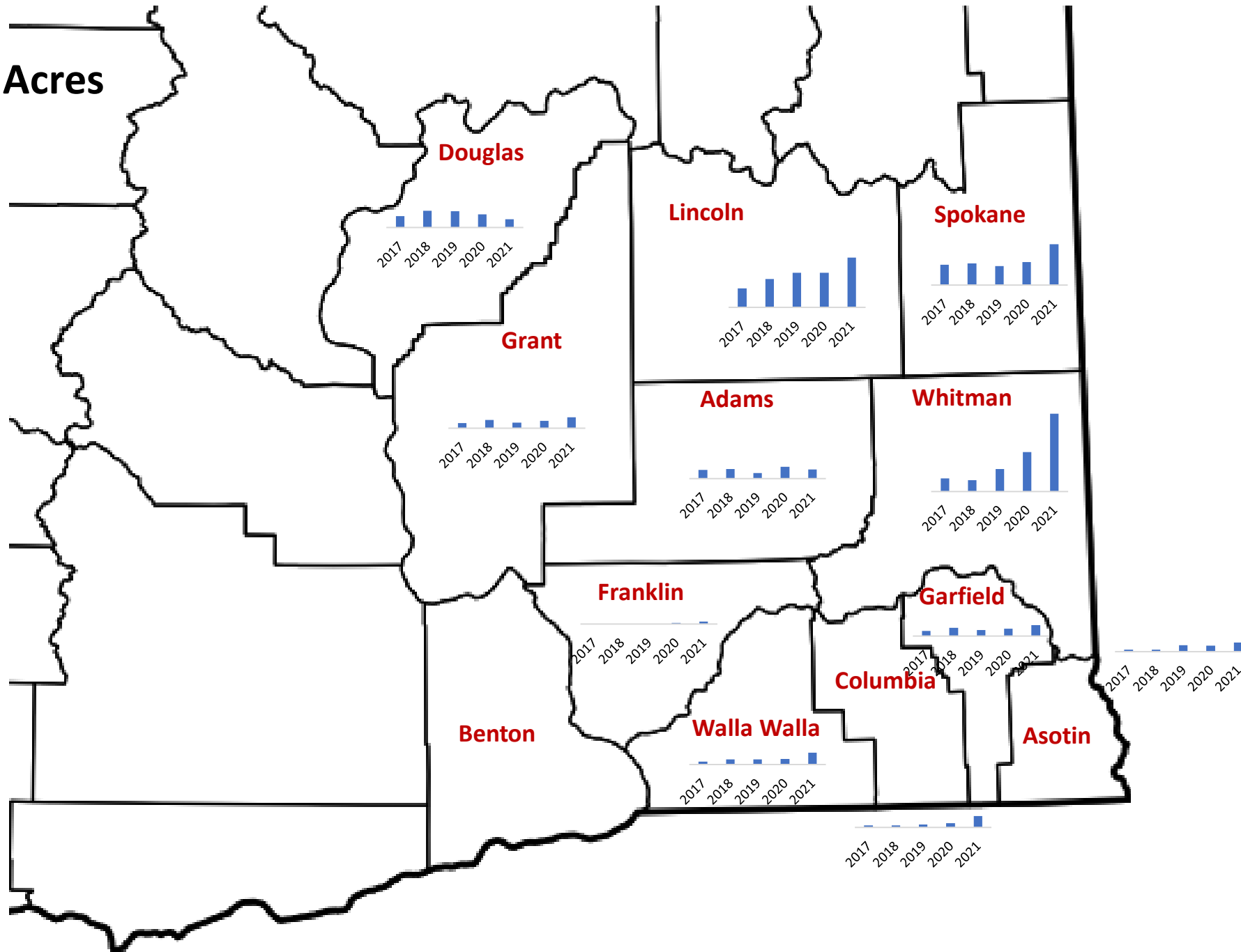


Canola Production in Washington



Change in Canola Planted Acres 2017-2021

- Fall of chickpea prices
- Herbicide resistance
- Availability of local market
- Availability of Herbicide-resistant spring varieties

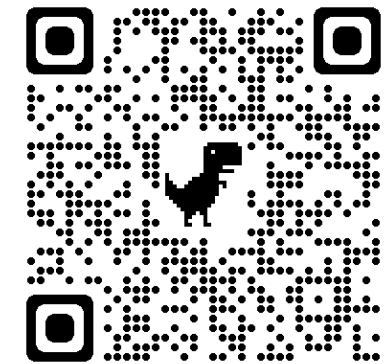


Summary

-
- In WA and the PNW, canola production and acreage are rising steadily.
 - More growers are interested in integrating canola in their rotations.
 - WOCS initiative continues to support research projects to improve canola farming and profitability in the region.

**Thank you!
Questions?**

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<https://oilseeds.css.wsu.edu/>