



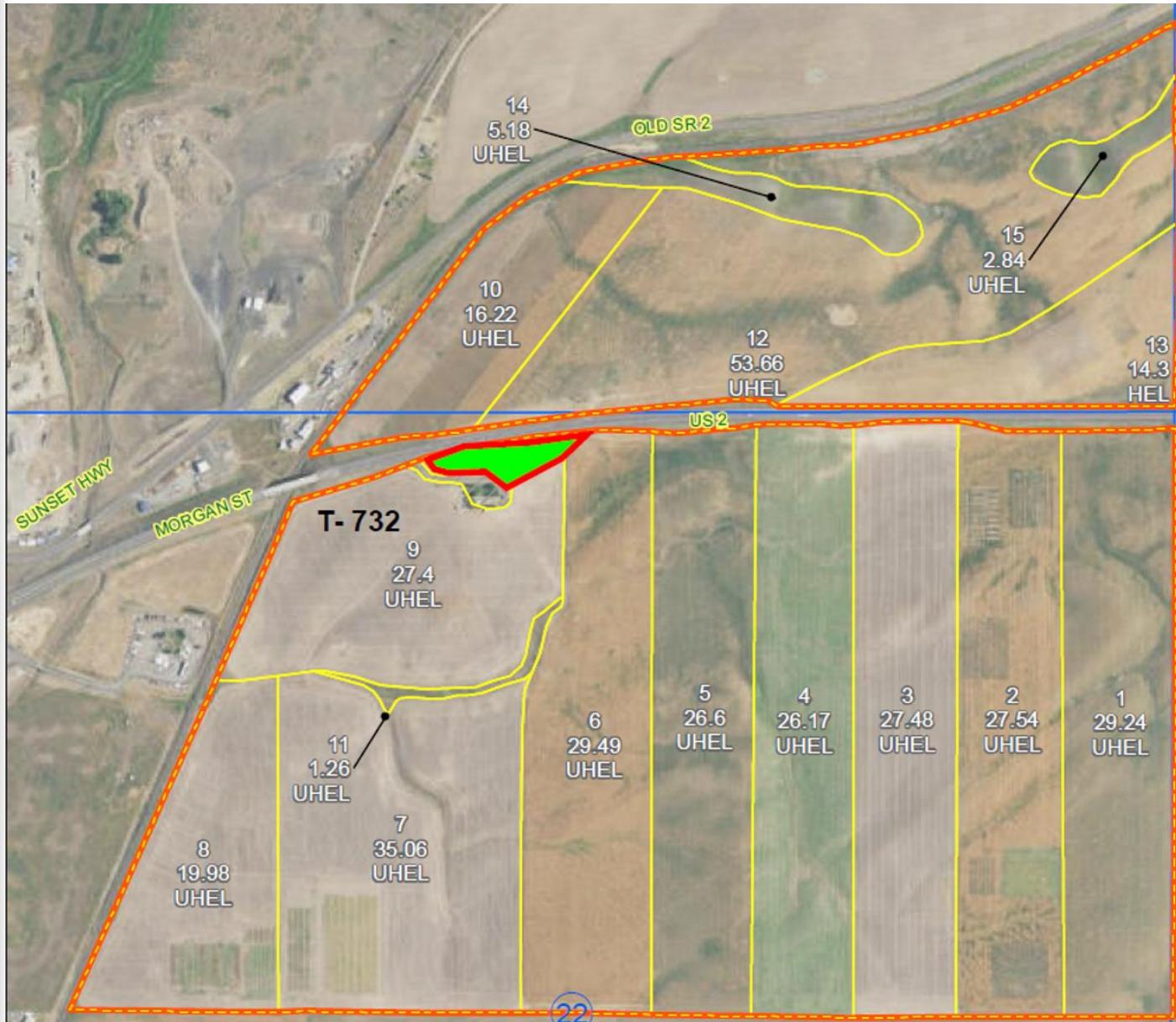
# **Esser, A.D. 2024. Crop & Chemical Rotation – Canola Matters. PNW Canola Association Workshop, Moscow, ID. January 25.**

Pacific northwest Herbicide Resistance Initiative (PNWHRI)





# WSU Wilke Research & Extension Farm



- 320 acre facility
- Certify ~20 acres research each year
- ~12 large plot studies
- Farm in 3 rotations
  - 3 yr (NTF, WW, SC)
  - 4 yr (NTF, WW, BL, WW)
  - Continuous (BL, WW, SC)
- \$0 WSU Funding



Year	Field 1
2024	
2023	(14 15)/(6 27) ( <b>22</b> )
2022	(9) (1)
2021	(6 4) ( <b>9</b> )
2020	(9,14)/ (9) (9) (9)
2019	(9) (6 27)
2018	(9) (1)
2017	(2)/ (2)
2016	(9) (9, 14) (9) (22) (9)
2015	<b>(22) (9) (4)</b>
2014	(9) (10, 1)
2013	(9) (1, 2 4, 4 6)
2012	(9) (9) (1)
2011	<b>(9) (1, 2 4, 4 6)</b>
2010	<b>(9) (1, 4 6, 4)</b>
2009	(2, 2) (not Beyond)
2008	(9) (9) (9, 4)
2007	(9) (9) (1, 4 6, 4)
2006	<b>9 (4, 2)</b>

# Crop and Chemical Rotation - Canola Matters





Year	Field 1
2024	
2023	(14 15)/(6 27) (22)
2022	(9) (1)
2021	(6 4) (9)
2020	(9,14)/ (9) (9) (9)
2019	(9) (6 27)
2018	(9) (1)
2017	(2)/ (2)
2016	(9) (9, 14) (9) (22) (9)
2015	(22) (9) (4)
2014	(9) (10, 1)
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2011	(9) (1, 2 4, 4 6)
2010	(9) (1, 4 6, 4)
2009	(2, 2) (not Beyond)
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2007	(9) (9) (1, 4 6, 4)
2006	9 (4, 2)

11-  
years



# Crop and Chemical Rotation - Canola Matters

# Questions

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# Scharf Farms INC.



**Jason Scharf, Amity Oregon**

# Crops we grow



**Tall Fescue**

**White Clover**

**Wheat**

**Perennial Ryegrass**

**Turnip Seed**

**Hazelnuts**

**Others**

**Annual Ryegrass**

**Radish Seed**

**Wine Grapes**



## Our History with Canola

- Always needed a profitable rotational crop to fit with grass seed production
- 2013 ODA rules changed, allowing limited production in Willamette Valley for study
- Planted 1<sup>st</sup> 120 acres for 2014 harvest
- Helped found the Willamette Valley Oilseed Producers Association to help advocate for canola in the Valley
- Grown canola 10 of the last 11 years



## Current Rotations

- 5 yrs Tall Fescue > radish > 1 or 2 yrs wheat > 5 yrs Tall Fescue
- 2 yrs annual ryegrass > canola or turnip > annual ryegrass or wheat > canola or turnip
- 3 yrs clover > wheat > radish/turnip/canola > tall fescue or perennial ryegrass or clover



# Common Pests

- Grasses
- Diseases
- Volunteer crops
- SLUGS!!















Questions?