Reduced Burning By Wider Canola Seed Row Spacing

DOE Task Force

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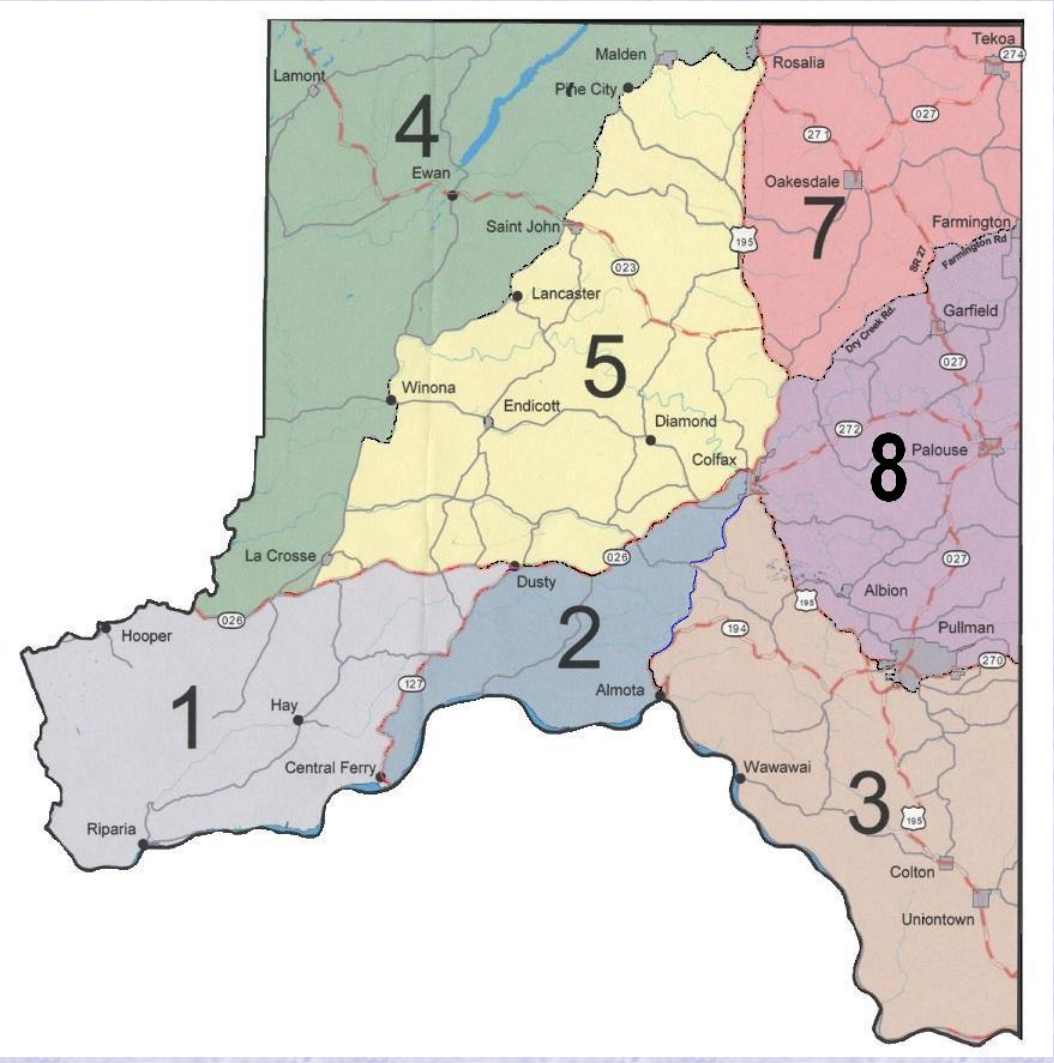
Whitman County Burn Zones



Canola Row Spacing Proposal

- **Crop rotation can improve winter wheat by breaking a disease cycle.**
- **Canola is an alternative crop with potential to improve winter wheat.**
- **Where winter wheat yield exceeds 60 to 100 bu./acre, residue can plug the equipment.**
- **Canola potentially can be grown at wide spacing to handle 60+ bu./acre residue.**

Canola Row spacing Proposal

- **What happens when canola is seeded in wide rows?**
- **Canola is an upright cool-season broadleaf crop.**
- **Canola has a branching plant structure.**
- **Canola has a tap root and branching lateral roots.**

Canola Row Spacing Proposal

- **Where is the 60 to 100 bu./acre area of focus to reduce burning?**
- **Annual cropping area of 18+ inches rainfall.**
- **Rainfall in Palouse Conservation District averages between 15 to 23 inches.**
- **Washington State University is in PCD.**

Drill Modification

Heavy Residue

Kopf Field In Bloom

FIX IT FREE FIX IT ANYWHERE

FIX IT FAST
FIX IT FREE FIX IT ANY

Wide
Standard

WINTER
nursery

Yield Results

Standard Row spacing 1615 lbs/acre

Wide Row Spacing 1591 lbs/acre

Remaining Winter Wheat Residue Levels After Canola Harvest