

Oilseed Development Center of Excellence Breeding Progress



Objective

- Develop high oil canola lines for the North Dakota production environment

Initiated an aggressive breeding program for high-oil canola lines

- Developed elite germplasm adapted to North Dakota from superior lines combining high yield and oil content

Conducted tests at 10 locations

- Early generation testing
- Elite lines testing
- Sclerotinia trial
- Blackleg disease trial
- Foundation seed production

Evaluated canola germplasm (>1,100 genotypes in >5,200 plots) for:

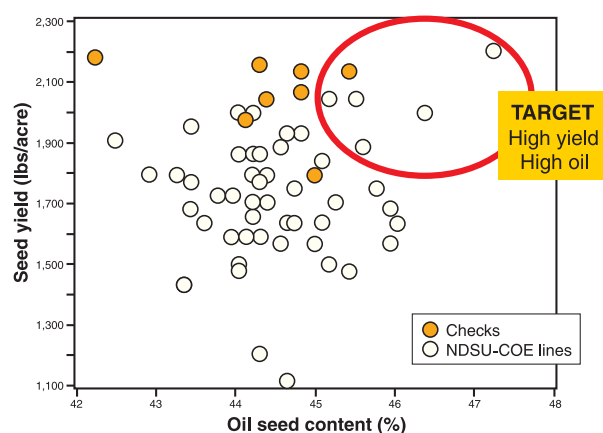
- Oil content
- Agronomic traits
- Disease resistance

Oil content results

- Identified three lines with significant potential in North Dakota (43.1% to 43.9% oil)

Targeted release, 2010

Target combination of traits



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