

**NDSU Langdon Research Extension Center
2024 Variety Trial Data**

Canola - Liberty Link - 2024 - Table 1 **Langdon**

| Company/Brand | Variety | Type ¹ | Blackleg Rating ² | Clubroot Resist. ³ | Days to 1st Flower | Days Flower Duration | Days to Maturity |
|----------------|------------|-------------------|------------------------------|-------------------------------|--------------------|----------------------|------------------|
| BASF InVigor | L333PC | LL | R | Yes | 41 | 17 | 87 |
| BASF InVigor | L340PC | LL | R | Yes | 39 | 21 | 86 |
| BASF InVigor | L343PC | LL | R | Yes | 39 | 19 | 86 |
| BASF InVigor | L345PC | LL | R | Yes | 40 | 20 | 87 |
| BASF InVigor | L350PC | LL | R | Yes | 45 | 16 | 92 |
| BASF InVigor | LR344PC | TFLL | R | Yes | 42 | 17 | 89 |
| BASF InVigor | LR354PC | TFLL | R | Yes | 44 | 17 | 92 |
| BrettYoung | BY 7204LL | LL | R | Yes | 42 | 19 | 91 |
| CANTERRA SEEDS | CS4000 LL | LL | R | Yes | 40 | 20 | 87 |
| CANTERRA SEEDS | CS4100 LL | LL | R | Yes | 41 | 20 | 90 |
| CROPLAN | CP7130LL | LL | R | Yes | 40 | 20 | 87 |
| CROPLAN | CP7250LL | LL | R | Yes | 43 | 19 | 91 |
| DEKALB | DK400TL | TFLL | R | Yes | 37 | 20 | 87 |
| Dyna-Gro | DG 661 LCM | LL | R | Yes | 39 | 21 | 88 |
| Pioneer | P516L | LL | R | Yes | 41 | 21 | 90 |
| Pioneer | P612L | LL | R | Yes | 43 | 20 | 92 |
| Trial Mean | | | | | 41 | 20 | 89 |
| C.V. % | | | | | 1.7 | 5.5 | 1.3 |
| LSD 10% | | | | | 0.8 | 1.3 | 1.4 |

Planting Date: May 31

Harvest Date: September 25

¹Hybrids are traditional oil type and commercially available.

LL-Liberty Link, TFLL-Roundup Ready Truflex- Liberty Link stacked.

²Blackleg rating provided by company

³Has clubroot resistance gene(s)

Previous Crop: Soybean

Soil Type: Svea-Barnes loam

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.

**NDSU Langdon Research Extension Center
2024 Variety Trial Data**

Canola - Liberty Link - 2024 - Table 2 **Langdon**

| Company/Brand | Variety | Plant Height inches | Cover ¹ % | Oil ² % | Yield ² | | | | |
|----------------|------------|---------------------------|-------------------------|-----------------------|--------------------|------|------|-------------|-------------|
| | | | | | 2022 | 2023 | 2024 | 2yr Avg. | 3yr Avg. |
| BASF InVigor | L333PC | 52 | 78 | 43.7 | -- | -- | 3110 | -- | -- |
| BASF InVigor | L340PC | 50 | 76 | 43.0 | 3573 | 2644 | 3406 | 3025 | 3208 |
| BASF InVigor | L343PC | 50 | 73 | 43.4 | 3627 | 2541 | 3304 | 2922 | 3157 |
| BASF InVigor | L345PC | 51 | 86 | 43.6 | 3734 | 2454 | 3391 | 2922 | 3193 |
| BASF InVigor | L350PC | 55 | 81 | 46.1 | 3615 | 2668 | 3140 | 2904 | 3141 |
| BASF InVigor | LR344PC | 55 | 76 | 44.1 | -- | -- | 3258 | -- | -- |
| BASF InVigor | LR354PC | 58 | 71 | 44.8 | 3351 | 2429 | 3186 | 2807 | 2989 |
| BrettYoung | BY7204LL | 55 | 64 | 46.9 | -- | -- | 2805 | -- | -- |
| CANTERRA SEEDS | CS4000 LL | 54 | 79 | 45.3 | 3237 | 2907 | 2529 | 2718 | 2891 |
| CANTERRA SEEDS | CS4100 LL | 53 | 68 | 46.6 | -- | -- | 2822 | -- | -- |
| CROPLAN | CP7130LL | 56 | 71 | 45.0 | -- | -- | 3149 | -- | -- |
| CROPLAN | CP7250LL | 52 | 75 | 44.7 | -- | 2554 | 2432 | 2493 | -- |
| DEKALB | DK400TL | 50 | 84 | 46.2 | -- | -- | 3048 | -- | -- |
| Dyna-Gro | DG 661 LCM | 55 | 83 | 44.4 | -- | 2243 | 2738 | 2491 | -- |
| Pioneer | P516L | 53 | 73 | 44.2 | -- | -- | 2733 | -- | -- |
| Pioneer | P612L | 55 | 46 | 45.0 | -- | 2584 | 2607 | 2595 | -- |
| Trial Mean | | 53.7 | 72.6 | 44.7 | 3261 | 2530 | 2912 | -- | -- |
| C.V. % | | 3.6 | 10.4 | 1.2 | 3.9 | 9.9 | 9.5 | -- | -- |
| LSD 10% | | 2.3 | 8.9 | 0.6 | 102 | 299 | 326 | -- | -- |

¹ % Cover- Visual rating of percent area of plot covered by plant growth. This is a measure of stand and vigor. Plants were at 5-6 leaf stage.

² 8.5% moisture

Data includes only released varieties. Experimental lines are not included. Statistics reflect the entire trial.