

2019 University of Idaho PNW Spring Canola & Rapeseed Variety Trial results including overall mean yield (lbs. per acre) and rank at Idaho and Washington sites, yield by site (lbs./acre), mean flower date at Moscow and Genesee (days after planting), and mean plant canopy height at Moscow and Genesee (inches).

| | Mean Yield and Rank at ID and WA Sites | | Yield by location | | | | | | | | | | Flower Start | Plant Height |
|--|--|------|-------------------|-----------|------------|--------------|--------------|-------------|-----------|--------------|--------------|------|--------------|--------------|
| | lbs per acre | rank | Bonnars Ferry ID | Moscow ID | Genesee ID | Craigmont ID | Davenport WA | Rockford WA | Dayton WA | Pendleton OR | Hermiston OR | days | | |
| Control Varieties | | | | | | | | | | | | | | |
| Westar | 2,225 | 29 | 2,670 | 1,322 | 2,912 | 2,829 | 1,340 | 1,067 | 3,433 | 1,482 | 2,547 | 51 | 46 | |
| Profit | 2,120 | 32 | 2,861 | 1,381 | 2,839 | 2,665 | 1,177 | 775 | 3,142 | 1,219 | 2,225 | 51 | 48 | |
| Goldrush | 1,944 | 35 | 2,080 | 1,757 | 2,553 | 2,351 | 1,200 | 845 | 2,825 | 1,196 | 2,396 | 43 | 42 | |
| IdaGold Yellow Mustard | 1,727 | 36 | 2,640 | 1,109 | 2,431 | 1,688 | 1,059 | 383 | 2,779 | 1,586 | 2,568 | 44 | 45 | |
| BASF InVigor Canola | | | | | | | | | | | | | | |
| InVigor L233P LL | 2,707 | 5 | 3,803 | 2,008 | 3,462 | 3,132 | 1,509 | 959 | 4,075 | 1,832 | 3,208 | 51 | 47 | |
| InVigor L234P LL | 2,735 | 4 | 4,206 | 2,059 | 3,810 | 2,916 | 1,435 | 967 | 3,752 | 1,311 | 3,050 | 50 | 48 | |
| InVigor L255P LL | 2,580 | 10 | 3,976 | 1,820 | 3,507 | 2,948 | 1,236 | 964 | 3,607 | 1,110 | 3,782 | 53 | 47 | |
| Brett Young Seeds | | | | | | | | | | | | | | |
| 5545 CL | 2,544 | 14 | 4,059 | 1,612 | 3,328 | 2,833 | 1,412 | 863 | 3,699 | 1,768 | 2,018 | 50 | 49 | |
| 4187 RR | 2,474 | 17 | 3,819 | 1,727 | 3,112 | 2,871 | 1,320 | 973 | 3,496 | 1,673 | 2,829 | 54 | 51 | |
| 6090 RR | 2,534 | 15 | 3,829 | 1,646 | 3,154 | 2,988 | 1,179 | 1,158 | 3,787 | 1,427 | 2,438 | 53 | 50 | |
| Cargill Global Edible Oil Solutions | | | | | | | | | | | | | | |
| 16MH6001 CL | 2,349 | 23 | 3,286 | 1,658 | 3,047 | 2,947 | 1,315 | 1,028 | 3,165 | 1,850 | 2,801 | 53 | 43 | |
| 16MH6004 CL | 2,378 | 20 | 3,412 | 1,706 | 3,142 | 3,039 | 1,251 | 786 | 3,311 | 1,729 | 2,728 | 52 | 44 | |
| CANTERRA SEEDS / Meridian Seeds, LLC | | | | | | | | | | | | | | |
| CS 2500 CL | 2,399 | 19 | 3,611 | 1,609 | 3,208 | 2,664 | 1,273 | 987 | 3,439 | 2,098 | 2,774 | 50 | 49 | |
| Croplan by WinField United | | | | | | | | | | | | | | |
| HyCLASS 930 RR | 2,777 | 3 | 3,435 | 2,342 | 3,538 | 3,120 | 1,722 | 1,228 | 4,053 | 1,781 | 2,731 | 47 | 46 | |
| HyCLASS 955 RR | 2,840 | 1 | 3,914 | 1,967 | 3,685 | 3,204 | 1,740 | 1,159 | 4,208 | 1,675 | 3,209 | 49 | 47 | |
| CP9978 TF | 2,572 | 11 | 3,964 | 1,744 | 3,122 | 2,839 | 1,425 | 1,031 | 3,882 | * | * | 50 | 50 | |
| DEKALB | | | | | | | | | | | | | | |
| DKTF91SC TF | 2,701 | 6 | 3,400 | 2,337 | 3,686 | 3,059 | 1,528 | 966 | 3,929 | * | * | 47 | 45 | |
| DKTF92SC TF | 2,625 | 8 | 3,313 | 2,058 | 3,169 | 3,141 | 1,390 | 1,277 | 4,030 | * | * | 48 | 47 | |
| Nutrien Ag Solutions | | | | | | | | | | | | | | |
| DynaGro 200 CL | 2,590 | 9 | 3,655 | 1,761 | 3,355 | 2,896 | 1,353 | 1,150 | 3,963 | 1,545 | 2,541 | 53 | 51 | |
| DynaGro 533G RR | 2,484 | 16 | 3,511 | 1,864 | 3,234 | 2,977 | 1,263 | 1,085 | 3,454 | 1,788 | 2,667 | 50 | 48 | |
| DynaGro 540G RR | 2,571 | 12 | 3,670 | 1,791 | 3,444 | 2,709 | 1,538 | 1,102 | 3,743 | 1,437 | 3,150 | 51 | 50 | |
| Photosyntech | | | | | | | | | | | | | | |
| NCC 101S | 2,790 | 2 | 3,499 | 2,404 | 3,516 | 3,237 | 1,666 | 1,304 | 3,904 | 1,876 | 2,916 | 47 | 44 | |
| Star Specialty Seed | | | | | | | | | | | | | | |
| Star 402 RR | 2,684 | 7 | 3,290 | 2,019 | 3,692 | 3,148 | 1,408 | 1,100 | 4,128 | 1,559 | 3,557 | 48 | 46 | |
| StarFlex TF | 2,558 | 13 | 3,393 | 1,968 | 3,452 | 2,878 | 1,443 | 1,050 | 3,722 | * | * | 49 | 46 | |
| University of Idaho Canola | | | | | | | | | | | | | | |
| Empire | 2,340 | 24 | 2,919 | 1,769 | 3,109 | 2,553 | 1,555 | 1,192 | 3,285 | 1,679 | 2,982 | 48 | 43 | |
| Syringa (IR.7.8.8.7) | 2,158 | 31 | 2,882 | 1,627 | 3,092 | 2,574 | 1,197 | 891 | 2,843 | 1,020 | 2,379 | 49 | 45 | |
| Monarch (07.SC.27.19.B3) | 1,957 | 34 | 2,229 | 1,543 | 2,529 | 2,526 | 1,305 | 790 | 2,778 | 1,045 | 2,705 | 49 | 43 | |
| 14.SC.81.5 | 2,270 | 27 | 2,543 | 1,791 | 3,062 | 2,838 | 1,502 | 763 | 3,391 | 1,414 | 3,021 | 48 | 42 | |
| 14.SC.96.9 | 2,237 | 28 | 2,334 | 1,654 | 3,080 | 2,789 | 1,360 | 1,028 | 3,415 | 1,552 | 2,327 | 49 | 45 | |
| SCD.23.4 | 2,438 | 18 | 3,355 | 1,941 | 2,999 | 2,869 | 1,377 | 988 | 3,535 | 1,451 | 2,686 | 50 | 48 | |
| SCD.52.12 | 2,363 | 21 | 3,038 | 1,771 | 3,037 | 2,816 | 1,439 | 732 | 3,711 | 1,737 | 2,873 | 49 | 45 | |
| SCD.73.9 | 2,354 | 22 | 3,482 | 1,601 | 2,897 | 2,837 | 1,406 | 933 | 3,320 | 1,630 | 2,739 | 49 | 45 | |
| University of Idaho Industrial Rapeseed | | | | | | | | | | | | | | |
| Gem | 2,184 | 30 | 2,698 | 1,762 | 2,971 | 2,807 | 1,138 | 875 | 3,037 | 1,364 | 2,634 | 48 | 42 | |
| Industrious (07.SI.8.A10) | 2,303 | 26 | 2,390 | 1,968 | 3,265 | 2,897 | 1,389 | 1,120 | 3,095 | 1,424 | 3,010 | 46 | 40 | |
| Cataldo (IR.1.5.4.5) | 2,072 | 33 | 2,326 | 1,547 | 2,654 | 2,714 | 1,264 | 1,007 | 2,991 | 1,250 | 2,128 | 49 | 44 | |
| 14.SC.94.16 | 2,335 | 25 | 3,108 | 1,651 | 2,902 | 3,120 | 1,351 | 866 | 3,349 | 1,559 | 2,893 | 48 | 43 | |
| Mean | 2,414 | | 3,239 | 1,786 | 3,167 | 2,845 | 1,374 | 983 | 3,508 | 1,533 | 2,766 | 49 | 46 | |
| LSD ($p = 0.05$) | 138 | | 527 | 221 | 405 | 325 | 321 | 325 | 354 | 309 | 700 | 1 | 2 | |
| C.V. (%) | 10.8 | | 11.6 | 8.1 | 9.1 | 8.2 | 16.7 | 23.6 | 7.2 | 14.4 | 18.0 | 2.2 | 4.8 | |
| Planting Date | | | April 29 | May 1 | May 3 | April 26 | May 8 | April 25 | April 26 | April 10 | April 12 | | | |

Note: In the variety names, herbicide resistance is indicated as follows; CL = Clearfield, , IR = Imidazolinone/Group 2 herbicide resistance plus glyphosate resistance, LL = Liberty Link, RR = Roundup Ready, and TF = TruFlex Roundup resistance.