



PRAIRIE CANOLA
2008
VARIETY TRIALS
TEST RESULTS

Choose varieties based on
comprehensive, objective data.

CANOLA
digest

PRAIRIE CANOLA VARIETY TRIALS

Choose varieties based on comprehensive, objective data.

Coordinated by the Canola Council of Canada, the Prairie Canola Variety Trials (PCVT) are conducted by seed companies, government researchers, and independent contractors using a standardized protocol to ensure consistent results.

2008 trials were conducted in three growing season zones across the prairies – short, mid, and long season. Two replicated tests took place at each trial site to group varieties with similar days to maturity and to ensure that valid statistical comparisons could be made among varieties.

Test plots were kept weed-free using conventional herbicides. Herbicide-tolerant varieties were not sprayed with their companion herbicides. Each zone and test location has been identified on the map found on page 5. Variety characteristics can be found in the table on page 4. Trial results from the individual sites are presented in tables according to the three growing season zones and the two tests.

Use these guidelines to help you when selecting varieties:

WEED CONTROL SYSTEM

What are the weeds in the fields you've chosen to grow canola?

What is the weed spectrum of the herbicides in each weed control system (Roundup Ready, LibertyLink, Clearfield, or conventional)?

What is the current herbicide rotation? Remember to rotate herbicides between different groups to delay the development of weed resistance.

Is there potential for herbicide carryover (especially group 2) that will influence rotation or variety choice?

CONSIDER BLACKLEG RESISTANCE

Choose a variety that is moderately resistant (MR) or resistant (R) to blackleg to improve the odds of avoiding severe infections. Varieties with an R rating for blackleg have shown the greatest ability to suppress blackleg incidence and severity when compared to more susceptible check varieties in registration trials. Both MR and R varieties may develop lesions or cankers in field situations. Consider that variability does exist in blackleg populations across Western Canada. Strains of blackleg that fall into different pathogroups (PG3, PG4, and PGT) have been confirmed in recent years and not all varieties will have resistance to these newer strains.

As a result, individual field performance of varieties may vary from performance in the registration trials. In fields where newer blackleg strains have been confirmed, fall field scouting has revealed higher-than-expected levels of blackleg, or there has been a history of tight canola rotations, it may be necessary to lengthen rotation to achieve sufficient control of blackleg.

EVALUATE YIELD POTENTIAL

Check the PCVT results for information on yield performance. Look at all locations in your growing season zone and the average yield for your zone. Ask your seed dealer for more information on specific varieties. Review additional data on the Canola Performance On-line Database (POD) at www.canolacouncil.org/POD. And finally, consider other information such as maturity, lodging resistance, and cost when selecting a variety. ✱

EVALUATING VARIETY DATA?

Always check the checks.

Last year 45H21 and InVigor 5020 replaced 46A65 as the check varieties for the Prairie Canola Variety Trials. These new checks are more representative of the varieties being grown today. Most canola growers choose herbicide-tolerant varieties and should be able to relate to popular hybrids like 45H21 and 5020.

PCVT results are now reported as a percentage of the average of these two checks. Remember to not get fooled by a variety that may have yielded 120% of the check a couple of years ago but performed at only 95% of the checks in 2007 or 2008. This does not mean the variety is yielding any less.

The difference is simply due to the much improved yield performance of the new check varieties.

Following the adage of “more information is better”, results from 2006 are still being presented as a percentage of 46A65 in the all season zone summary. When doing comparisons, make sure of what benchmark each variety is compared against. In 2009, percentage of 46A65 will be dropped as we will have three consecutive years of 45H21 and 5020 as the new checks.

Meanwhile, the checks used as part of the variety registration process have remained the same. This means 46A65 and Q2 will continue to be the checks for the Western Canada Canola/Rapeseed Recommending Committee.

The purpose of updating the checks was to make PCVT results more relevant to Canadian canola growers. When reviewing yield data, always remember to look carefully at what varieties are being compared in order to properly evaluate a new or existing variety for your farm.

INTERPRETING PCVT DATA

Use the site map on page 5 to identify your growing season zone and trial locations closest to your farm. However, do not limit the data you review to just these locations. Compare local results to other locations within the same growing season zone and look at the average yield of a variety across the entire zone.

Zone tables show the average yield of the checks (45H21 and InVigor 5020) as 100% and other variety yields as a percentage. Two tests were conducted at each site. Compare each variety to the check varieties – not to other varieties. Comparisons between varieties in different tests are not statistically valid, even if they were conducted at the same location. Also keep in mind that although variety trials are conducted very carefully, small percentage differences in yield are usually meaningless.

Use the following tools along with yield information to help you make better variety choices.

Check the **Least Significant Difference (LSD)** of the test. If the difference between two varieties is less than the LSD, the yields of those varieties should not be considered to be different.

The **Coefficient of Variation (CV)** gives an indication of the random variability in the test. The smaller the CV, the better the test.

The characteristics table includes yield data and additional information on maturity, resistance to lodging, blackleg resistance, varietal type (open-pollinated, hybrid, synthetic), and herbicide tolerance. Use all of this information to choose a variety that is appropriate for your farm. And as always, don't underestimate the importance of picking a variety that has a reasonable maturity rating for your area. ✱

EVALUATING VARIETY DATA?

| VARIETY <i>B. napus</i> (ARGENTINE) | Type | 2006 Yield % of 46A65 All Zones Avg** | 2007 Yield % of 45H21, 5020 All Zones Avg | 2008 Yield % of 45H21, 5020 Zones (Station Years) | | | | Days to Maturity +/- days to 45H21, 5020 Zones | | | | Height +/- inches | Lodging Rating +/- "better" | Blackleg Rating | Organization | |
|---|-------------|---------------------------------------|---|---|-----|------|------------------|--|-----|------|-----------|-------------------|-----------------------------|-----------------|-------------------|--|
| | | | | Short | Mid | Long | All Zone Average | Short | Mid | Long | All Zones | | | | | |
| Checks | Type | | | | | | | | | | | | | | | |
| 45H21, 5020 | Hyb | | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Conventional | | | | | | | | | | | | | | | | |
| 46A65 | OP | 100 | 83 | 82 | 83 | 73 | 80 | 2 | 1 | 1 | 1 | -2 | 0 | R | Pioneer Hi-Bred | |
| Clearfield | | | | | | | | | | | | | | | | |
| 5505 CL | Hyb | | | 92 | 93 | 89 | 91 | 3 | 2 | 2 | 2 | 3 | 0 | MR | BrettYoung Seeds | |
| 30120-B6 * | Hyb | | | | 94 | 89 | 92 | | 2 | 2 | 2 | 2 | 0 | MR | CANTERRA SEEDS | |
| 30314-A5 * | Hyb | | 96 | | 91 | 87 | 90 | | 2 | 1 | 1 | 0 | 0 | MR | DL Seeds | |
| 71-30 CL | Hyb | | | 98 | 94 | 93 | 95 | -1 | 0 | 0 | 0 | 1 | 0 | R | DEKALB | |
| 45H73 | Hyb | 123 | 98 | 97 | 100 | 98 | 99 | 1 | 1 | 2 | 1 | 1 | 0 | R | Pioneer Hi-Bred | |
| 45P70 | Hyb | 121 | 102 | 97 | 99 | 97 | 98 | 1 | 1 | 0 | 1 | 1 | 0 | R | Viterra | |
| Liberty-tolerant | | | | | | | | | | | | | | | | |
| 5020 | Hyb | 127 | 101 | 106 | 105 | 107 | 105 | -1 | 0 | -1 | 0 | 0 | 0 | R | Bayer CropScience | |
| 1143 ** | Hyb | | 98 | 98 | 98 | 101 | 99 | 2 | 1 | 0 | 1 | 0 | 0 | R | Bayer CropScience | |
| 1144 ** | Hyb | | | 107 | 103 | 108 | 105 | 0 | 1 | 0 | 1 | 0 | 0 | MR | Bayer CropScience | |
| 5030 | Hyb | 129 | 114 | 105 | 106 | 114 | 108 | -1 | 0 | 0 | 0 | 5 | 1 | R | Bayer CropScience | |
| 5440 | Hyb | | 115 | 109 | 108 | 115 | 110 | 1 | 2 | 1 | 1 | 4 | 1 | R | Bayer CropScience | |
| 8440 | Hyb | | 107 | 108 | 106 | 113 | 108 | 1 | 1 | 0 | 1 | 0 | 1 | R | Bayer CropScience | |
| 9590 | Hyb | 127 | 107 | 100 | 106 | 112 | 106 | -2 | 0 | 0 | 0 | 1 | 0 | R | Bayer CropScience | |
| PHS06-944 * | Hyb | | | 101 | 108 | 113 | 108 | 5 | 3 | 2 | 3 | 4 | 1 | R | Bayer CropScience | |
| Roundup-tolerant | | | | | | | | | | | | | | | | |
| 45H21 | Hyb | 120 | 99 | 94 | 95 | 93 | 95 | 1 | 0 | 1 | 0 | 0 | 0 | R | Pioneer Hi-Bred | |
| 4414 RR | Hyb | | | 90 | 90 | 84 | 88 | 1 | 1 | 1 | 1 | 2 | 0 | R | BrettYoung Seeds | |
| 4424 RR | Hyb | | | 92 | 96 | 83 | 92 | 3 | 2 | 1 | 2 | 4 | 0 | MR | BrettYoung Seeds | |
| 4434 RR | Hyb | | | 88 | 90 | 85 | 88 | 3 | 2 | 1 | 2 | 2 | 0 | MR | BrettYoung Seeds | |
| 997RR | OP | | | 89 | 88 | 84 | 87 | 2 | 1 | 1 | 1 | 1 | 0 | R | BrettYoung Seeds | |
| 30507-B6 * | Hyb | | | | 93 | 91 | 92 | | 2 | 2 | 2 | 0 | 0 | MR | CANTERRA SEEDS | |
| SW K5325 RR * | Hyb | | | 93 | 96 | 96 | 95 | 2 | 2 | 2 | 2 | 2 | 0 | MR | CANTERRA SEEDS | |
| 04H278 **, ** | Hyb | | | | 95 | 87 | 92 | | 3 | 2 | 3 | 2 | 0 | MR | Cargill | |
| v1037 ** | Hyb | | | 92 | 97 | 90 | 94 | 0 | 0 | 0 | 0 | 2 | 0 | R | Cargill | |
| v2018 ** | Hyb | | 96 | | 95 | 92 | 94 | | 2 | 2 | 2 | 1 | 0 | MR | Cargill | |
| v2030 ** | Hyb | | | | 97 | 88 | 94 | | 1 | 1 | 1 | 2 | 0 | MR | Cargill | |
| 30412-B6 * | Hyb | | | | 96 | 96 | 96 | | 1 | 1 | 1 | 2 | 0 | MR | DL Seeds | |
| 30609-B6 * | Hyb | | | | 85 | 78 | 83 | | 1 | 0 | 1 | -3 | -1 | MR | DL Seeds | |
| 83S01 RR | Syn | | 91 | | 86 | 85 | 85 | | 0 | -1 | 0 | 2 | 0 | MR | FP Genetics | |
| 93H01 RR | Hyb | | 95 | | 95 | 88 | 93 | | 1 | 1 | 1 | 2 | 0 | MR | FP Genetics | |
| 71-45 RR | Hyb | 120 | | 98 | 95 | 99 | 97 | -1 | -1 | -1 | -1 | 0 | 0 | MR | DEKALB | |
| 43E01 | Hyb | | | | 90 | | 90 | | -3 | | -3 | -4 | -1 | MR | Pioneer Hi-Bred | |
| 43H57 | Hyb | | 81 | | 84 | | 84 | | -3 | | -3 | -1 | 0 | MR | Pioneer Hi-Bred | |
| 45H26 | Hyb | 126 | 101 | 99 | 99 | 98 | 99 | 1 | 1 | 0 | 0 | 1 | 0 | R | Pioneer Hi-Bred | |
| 45H28 | Hyb | | | 98 | 102 | 98 | 100 | 2 | 2 | 2 | 2 | 3 | 0 | R | Pioneer Hi-Bred | |
| D3150 | Hyb | | | 95 | 97 | 96 | 96 | 2 | 2 | 1 | 1 | 2 | 0 | MR | DuPont | |
| D3151 | Hyb | | | 94 | 96 | 93 | 95 | 1 | 0 | 0 | 0 | 0 | 0 | MR | DuPont | |
| Café | OP | 98 | 76 | 83 | 82 | | 82 | -3 | -3 | | -3 | -3 | 0 | R | SeCan | |
| Rugby | OP | | 89 | 88 | 89 | 79 | 86 | 1 | 1 | 0 | 1 | -1 | 0 | R | SeCan | |
| 9553 | Hyb | | | 100 | 98 | 94 | 97 | 1 | 0 | -1 | 0 | 1 | 0 | R | Viterra | |
| 9554 | Hyb | | | 96 | 100 | 102 | 99 | 1 | 1 | 0 | 1 | 2 | 0 | MR | Viterra | |
| 46P50 | Hyb | 125 | 103 | 95 | 99 | 93 | 96 | 5 | 3 | 3 | 3 | 3 | 0 | R | Viterra | |
| SW-PL 98-7888 | Syn | | | | | 84 | 84 | | | -2 | -2 | 0 | 0 | R | Viterra | |

* Not registered ** Specialty oil Type: OP - open pollinated; Syn - synthetic; and Hyb - hybrid *** Data presented relative to old check

PRAIRIE CANOLA VARIETY TRIALS

Choose varieties based on comprehensive, objective data.



SHORT SEASON ZONE TEST 1

| VARIETY | 2008 Average Yield | Ft. Vermillion, AB | Nestow, AB | Sexsmith, AB | Shellbrook, SK | St. Paul, AB | Westlock, AB |
|-------------------------------|--------------------|--------------------|------------|--------------|----------------|--------------|--------------|
| Checks: 45H21, 5020 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Conventional | | | | | | | |
| 46A65 | 82 | 92 | 77 | 84 | 77 | 71 | 94 |
| Clearfield | | | | | | | |
| 71-30 CL | 98 | 105 | 101 | 86 | 99 | 93 | 105 |
| 45H73 | 97 | 93 | 95 | 94 | 101 | 98 | 99 |
| Liberty-tolerant | | | | | | | |
| 5020 | 105 | 104 | 105 | 106 | 107 | 104 | 105 |
| 1143 ** | 98 | 104 | 96 | 94 | 98 | 89 | 104 |
| 1144 ** | 107 | 100 | 105 | 102 | 102 | 105 | 130 |
| 8440 | 108 | 112 | 118 | 98 | 113 | 96 | 109 |
| 9590 | 100 | 96 | 105 | 99 | 110 | 94 | 100 |
| Roundup-tolerant | | | | | | | |
| 45H21 | 95 | 96 | 95 | 94 | 93 | 96 | 95 |
| 71-45 RR | 98 | 87 | 94 | 101 | 95 | 102 | 107 |
| 43E01 | 90 | 93 | 94 | 91 | 82 | 88 | 90 |
| 43H57 | 84 | 94 | 86 | 91 | 63 | 79 | 91 |
| 45H26 | 99 | 90 | 111 | 99 | 94 | 98 | 105 |
| 45H28 | 98 | 100 | 111 | 92 | 93 | 92 | 103 |
| Café | 83 | 89 | 85 | 81 | 67 | 84 | 89 |
| 9553 | 100 | 105 | 97 | 99 | 91 | 94 | 113 |
| 9554 | 96 | 101 | 94 | 88 | 95 | 91 | 111 |
| 45H21, 5020 Yield bu/ac | 53 | 62 | 49 | 35 | 69 | 42 | 60 |
| CV | 9 | 12 | 7 | 6 | 8 | 7 | 11 |
| LSD .05 (As % OF 45H21, 5020) | 12 | 16 | 10 | 8 | 11 | 10 | 16 |

* Not registered ** Specialty oil

SHORT SEASON ZONE TEST 2

| VARIETY | 2008 Average Yield | Ft. Vermillion, AB | Nestow, AB | Sexsmith, AB | Shellbrook, SK | St. Paul, AB | Westlock, AB |
|-------------------------------|--------------------|--------------------|------------|--------------|----------------|--------------|--------------|
| Checks: 45H21, 5020 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Clearfield | | | | | | | |
| 5505 CL | 92 | 93 | 84 | 81 | 104 | 98 | 89 |
| 45P70 | 97 | 93 | 100 | 91 | 104 | 102 | 94 |
| Liberty-tolerant | | | | | | | |
| 5020 | 106 | 105 | 104 | 101 | 107 | 113 | 106 |
| 5030 | 105 | 99 | 109 | 105 | 118 | 97 | 104 |
| 5440 | 109 | 113 | 108 | 102 | 121 | 104 | 106 |
| PHS06-944 * | 101 | 106 | 95 | 87 | 123 | 98 | 97 |
| Roundup-tolerant | | | | | | | |
| 45H21 | 94 | 95 | 96 | 99 | 93 | 87 | 94 |
| 4414 RR | 90 | 92 | 91 | 92 | 97 | 80 | 89 |
| 4424 RR | 92 | 99 | 87 | 85 | 105 | 84 | 93 |
| 4434 RR | 88 | 91 | 82 | 88 | 97 | 80 | 89 |
| 997RR | 89 | 91 | 74 | 93 | 91 | 94 | 90 |
| SW K5325 RR * | 93 | 93 | 82 | 95 | 102 | 96 | 92 |
| v1037 ** | 92 | 90 | 93 | 92 | 95 | 88 | 94 |
| D3150 | 95 | 93 | 99 | 90 | 99 | 99 | 91 |
| D3151 | 94 | 87 | 100 | 87 | 100 | 94 | 99 |
| Rugby | 88 | 85 | 79 | 99 | 91 | 87 | 87 |
| 46P50 | 95 | 101 | 93 | 93 | 100 | 85 | 98 |
| 45H21, 5020 Yield bu/ac | 55 | 71 | 49 | 38 | 63 | 43 | 68 |
| CV | 8 | 9 | 7 | 7 | 7 | 10 | 5 |
| LSD .05 (As % OF 45H21, 5020) | 10 | 12 | 10 | 10 | 10 | 14 | 6 |

* Not registered ** Specialty oil

MID SEASON ZONE TEST 1

| VARIETY | 2008 Average Yield | Camrose, AB | Dauphin, MB | Durban, MB | Edmonton, AB | Elfros, SK | Ft. Saskatchewan, AB | Hamiota, MB | Killam, AB | Lake Lenore, SK | Lanigan, SK | Melfort, SK | Saskatoon, SK | Watrous, SK | Yorkton, SK |
|-------------------------------|--------------------|-------------|-------------|------------|--------------|------------|----------------------|-------------|------------|-----------------|-------------|-------------|---------------|-------------|-------------|
| Checks: 45H21, 5020 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Conventional | | | | | | | | | | | | | | | |
| 46A65 | 83 | 83 | 65 | 87 | 80 | 87 | 76 | 69 | 98 | 91 | 84 | 77 | 88 | 89 | 91 |
| Clearfield | | | | | | | | | | | | | | | |
| 30314-A5 * | 91 | 91 | 84 | 96 | 89 | 99 | 96 | 89 | 96 | 98 | 91 | 92 | 75 | 89 | 92 |
| 71-30 CL | 94 | 94 | 83 | 93 | 97 | 107 | 95 | 80 | 101 | 98 | 88 | 90 | 107 | 97 | 93 |
| 45H73 | 101 | 101 | 96 | 103 | 95 | 106 | 94 | 103 | 103 | 103 | 106 | 90 | 116 | 100 | 94 |
| Liberty-tolerant | | | | | | | | | | | | | | | |
| 5020 | 106 | 106 | 116 | 106 | 107 | 103 | 105 | 109 | 102 | 99 | 105 | 111 | 106 | 106 | 104 |
| 1143 ** | 98 | 98 | 107 | 96 | 102 | 96 | 102 | 86 | 95 | 96 | 99 | 102 | 100 | 100 | 89 |
| 1144 ** | 103 | 103 | 106 | 99 | 111 | 99 | 105 | 96 | 110 | 106 | 99 | 105 | 91 | 108 | 105 |
| 5440 | 109 | 109 | 108 | 108 | 111 | 106 | 112 | 116 | 107 | 107 | 107 | 112 | 113 | 106 | 101 |
| 8440 | 106 | 106 | 113 | 109 | 105 | 93 | 110 | 114 | 107 | 105 | 104 | 108 | 110 | 95 | 106 |
| 9590 | 106 | 106 | 114 | 101 | 103 | 105 | 107 | 119 | 104 | 97 | 100 | 112 | 119 | 104 | 96 |
| Roundup-tolerant | | | | | | | | | | | | | | | |
| 45H21 | 94 | 94 | 84 | 94 | 93 | 97 | 95 | 91 | 98 | 101 | 95 | 89 | 94 | 94 | 96 |
| 30507-B6 * | 93 | 93 | 91 | 97 | 85 | 99 | 94 | 77 | 96 | 105 | 87 | 95 | 97 | 92 | 99 |
| 30609-B6 * | 85 | 85 | 67 | 86 | 90 | 91 | 87 | 64 | 99 | 90 | 77 | 85 | 83 | 95 | 93 |
| 83S01 RR | 85 | 85 | 91 | 85 | 99 | 72 | 83 | 64 | 100 | 67 | 87 | 83 | 92 | 93 | 93 |
| 71-45 RR | 95 | 95 | 96 | 82 | 106 | 88 | 98 | 66 | 107 | 105 | 92 | 107 | 87 | 106 | 96 |
| 45H26 | 99 | 99 | 102 | 94 | 104 | 101 | 88 | 85 | 98 | 108 | 106 | 105 | 108 | 88 | 104 |
| 45H28 | 101 | 101 | 109 | 97 | 111 | 99 | 99 | 97 | 113 | 102 | 94 | 103 | 84 | 105 | 104 |
| D3151 | 96 | 96 | 94 | 92 | 98 | 85 | 104 | 65 | 103 | 101 | 94 | 103 | 107 | 100 | 96 |
| Café | 81 | 81 | 67 | 82 | 92 | 84 | 85 | 53 | 92 | 89 | 77 | 88 | 72 | 89 | 87 |
| 9553 | 98 | 98 | 100 | 84 | 104 | 101 | 101 | 80 | 102 | 103 | 104 | 95 | 99 | 105 | 90 |
| 9554 | 100 | 100 | 109 | 93 | 95 | 90 | 102 | 105 | 99 | 109 | 85 | 111 | 112 | 93 | 99 |
| 45H21, 5020 Yield bu/ac | 69 | 69 | 64 | 93 | 59 | 53 | 93 | 40 | 31 | 90 | 55 | 68 | 57 | 74 | 123 |
| CV | 10 | 10 | 10 | 7 | 5 | 12 | 9 | 15 | 9 | 12 | 10 | 11 | 13 | 9 | 7 |
| LSD .05 (As % OF 45H21, 5020) | 13 | 13 | 13 | 10 | 7 | 16 | 12 | 18 | 12 | 17 | 13 | 15 | 19 | 13 | 9 |

* Not registered ** Specialty oil

MID SEASON ZONE TEST 2

| VARIETY | 2008 Average Yield | Camrose, AB | Dauphin, MB | Durban, MB | Edmonton, AB | Elfros, SK | Ft. Saskatchewan, AB | Hamiota, MB | Killam, AB | Lake Lenore, SK | Lanigan, SK | Melfort, SK | Saskatoon, SK | Watrous, SK | Yorkton, SK |
|-------------------------------|--------------------|-------------|-------------|------------|--------------|------------|----------------------|-------------|------------|-----------------|-------------|-------------|---------------|-------------|-------------|
| Checks: 45H21, 5020 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Clearfield | | | | | | | | | | | | | | | |
| 5505 CL | 93 | 93 | 80 | 99 | 87 | 86 | 102 | 103 | 90 | 93 | 95 | 92 | 92 | 92 | 92 |
| 30120-B6 * | 94 | 98 | 78 | 99 | 89 | 90 | 101 | 104 | 89 | 90 | 96 | 96 | 94 | 95 | 97 |
| 45P70 | 99 | 102 | 96 | 99 | 95 | 101 | 96 | 102 | 102 | 100 | 109 | 103 | 92 | 96 | 97 |
| Liberty-tolerant | | | | | | | | | | | | | | | |
| 5020 | 105 | 103 | 104 | 101 | 101 | 105 | 104 | 101 | 104 | 101 | 96 | 116 | 107 | 98 | 105 |
| 5030 | 106 | 104 | 115 | 106 | 100 | 104 | 111 | 125 | 95 | 98 | 114 | 118 | 91 | 109 | 93 |
| PHS06-944 * | 108 | 106 | 117 | 112 | 102 | 93 | 118 | 130 | 105 | 106 | 102 | 110 | 101 | 103 | 99 |
| Roundup-tolerant | | | | | | | | | | | | | | | |
| 45H21 | 95 | 97 | 96 | 99 | 99 | 95 | 96 | 99 | 96 | 99 | 104 | 84 | 93 | 102 | 95 |
| 4414 RR | 90 | 90 | 77 | 90 | 84 | 99 | 90 | 101 | 72 | 102 | 98 | 104 | 86 | 79 | 84 |
| 4424 RR | 96 | 97 | 86 | 101 | 97 | 94 | 102 | 109 | 78 | 97 | 100 | 104 | 96 | 89 | 94 |
| 4434 RR | 90 | 98 | 76 | 94 | 85 | 91 | 100 | 104 | 79 | 96 | 84 | 93 | 89 | 79 | 89 |
| 997RR | 88 | 95 | 78 | 91 | 84 | 91 | 88 | 86 | 87 | 94 | 97 | 91 | 74 | 90 | 89 |
| SW K5325 RR * | 96 | 100 | 97 | 103 | 88 | 90 | 104 | 109 | 90 | 98 | 91 | 91 | 90 | 92 | 99 |
| 04H278 **, ** | 95 | 99 | 88 | 99 | 97 | 93 | 97 | 112 | 96 | 94 | 97 | 90 | 90 | 87 | 96 |
| v1037 ** | 97 | 99 | 102 | 91 | 91 | 110 | 100 | 99 | 87 | 94 | 106 | 103 | 86 | 104 | 89 |
| v2018 ** | 95 | 98 | 92 | 93 | 89 | 90 | 101 | 120 | 81 | 93 | 100 | 90 | 97 | 87 | 95 |
| v2030 ** | 97 | 97 | 84 | 96 | 92 | 98 | 100 | 121 | 94 | 92 | 100 | 88 | 93 | 107 | 94 |
| 30412-B6 * | 96 | 101 | 93 | 92 | 84 | 97 | 99 | 103 | 91 | 96 | 99 | 108 | 99 | 86 | 94 |
| 93H01 RR | 95 | 95 | 95 | 101 | 91 | 101 | 95 | 104 | 97 | 94 | 100 | 92 | 85 | 96 | 86 |
| D3150 | 97 | 98 | 89 | 91 | 99 | 92 | 102 | 118 | 97 | 101 | 101 | 96 | 83 | 93 | 97 |
| Rugby | 89 | 96 | 83 | 96 | 81 | 81 | 96 | 87 | 94 | 91 | 86 | 97 | 83 | 92 | 83 |
| 46P50 | 99 | 97 | 93 | 100 | 99 | 98 | 100 | 109 | 93 | 106 | 102 | 103 | 96 | 88 | 98 |
| 45H21, 5020 Yield bu/ac | 70 | 54 | 65 | 97 | 66 | 54 | 85 | 37 | 36 | 93 | 51 | 68 | 68 | 76 | 131 |
| CV | 9 | 6 | 9 | 6 | 6 | 10 | 11 | 12 | 10 | 7 | 9 | 9 | 13 | 14 | 8 |
| LSD .05 (As % OF 45H21, 5020) | 13 | 9 | 11 | 9 | 7 | 13 | 15 | 19 | 13 | 9 | 12 | 12 | 17 | 18 | 11 |

* Not registered ** Specialty oil

LONG SEASON ZONE TEST 1

| VARIETY | 2008 Average Yield | Arden, MB | Boissevain, MB | High Bluff, MB | Letellier, MB | Outlook, SK | Portage, MB | Stonewall, MB |
|-------------------------------|--------------------|-----------|----------------|----------------|---------------|-------------|-------------|---------------|
| Checks: 45H21, 5020 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Conventional | | | | | | | | |
| 46A65 | 73 | 75 | 75 | 67 | 77 | 80 | 69 | 64 |
| Clearfield | | | | | | | | |
| 30120-B6 * | 89 | 78 | 90 | 96 | 91 | 79 | 91 | 98 |
| 30314-A5 * | 87 | 71 | 94 | 86 | 89 | 88 | 93 | 88 |
| 71-30 CL | 93 | 98 | 93 | 100 | 87 | 89 | 90 | 95 |
| 45H73 | 98 | 101 | 97 | 92 | 96 | 95 | 105 | 102 |
| Liberty-tolerant | | | | | | | | |
| 5020 | 107 | 105 | 105 | 112 | 111 | 105 | 107 | 105 |
| 1143 ** | 101 | 100 | 108 | 117 | 101 | 93 | 95 | 95 |
| 1144 ** | 108 | 103 | 103 | 126 | 112 | 98 | 108 | 105 |
| 8440 | 113 | 113 | 113 | 132 | 113 | 107 | 109 | 106 |
| 9590 | 112 | 108 | 118 | 129 | 115 | 97 | 104 | 116 |
| Roundup-tolerant | | | | | | | | |
| 45H21 | 93 | 95 | 95 | 88 | 89 | 95 | 93 | 95 |
| 30507-B6 * | 91 | 85 | 83 | 91 | 85 | 101 | 93 | 96 |
| v2030 ** | 88 | 80 | 91 | 99 | 97 | 79 | 88 | 79 |
| 83S01 RR | 85 | 82 | 81 | 77 | 94 | 81 | 85 | 91 |
| 71-45 RR | 99 | 91 | 110 | 84 | 114 | 94 | 99 | 102 |
| 45H26 | 98 | 102 | 97 | 92 | 93 | 108 | 94 | 102 |
| 45H28 | 98 | 103 | 102 | 88 | 104 | 100 | 94 | 95 |
| D3151 | 93 | 94 | 101 | 75 | 106 | 99 | 84 | 94 |
| 9553 | 94 | 97 | 87 | 78 | 99 | 108 | 98 | 89 |
| 9554 | 102 | 97 | 112 | 108 | 95 | 99 | 100 | 102 |
| SW-PL 98-7888 | 84 | 80 | 65 | 75 | 90 | 93 | 89 | 96 |
| 45H21, 5020 Yield bu/ac | 66 | 55 | 62 | 43 | 111 | 101 | 44 | 45 |
| CV | 9 | 6 | 10 | 9 | 10 | 8 | 11 | 11 |
| LSD .05 (As % OF 45H21, 5020) | 13 | 7 | 14 | 13 | 14 | 11 | 14 | 14 |

* Not registered ** Specialty oil

LONG SEASON ZONE TEST 2

| VARIETY | 2008 Average Yield | Arden, MB | Boissevain, MB | High Bluff, MB | Letellier, MB | Outlook, SK | Portage, MB | Stonewall, MB |
|-------------------------------|--------------------|-----------|----------------|----------------|---------------|-------------|-------------|---------------|
| Checks: 45H21, 5020 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Clearfield | | | | | | | | |
| 5505 CL | 89 | 85 | 96 | 80 | 94 | 92 | 91 | 86 |
| 45P70 | 97 | 98 | 97 | 82 | 102 | 97 | 100 | 101 |
| Liberty-tolerant | | | | | | | | |
| 5020 | 106 | 107 | 106 | 112 | 105 | 100 | 102 | 110 |
| 5030 | 114 | 112 | 123 | 131 | 96 | 109 | 112 | 113 |
| 5440 | 115 | 113 | 113 | 132 | 104 | 108 | 121 | 111 |
| PHS06-944 * | 113 | 115 | 114 | 134 | 107 | 105 | 125 | 95 |
| Roundup-tolerant | | | | | | | | |
| 45H21 | 94 | 93 | 94 | 88 | 95 | 100 | 98 | 90 |
| 4414 RR | 84 | 76 | 89 | 78 | 87 | 96 | 83 | 81 |
| 4424 RR | 83 | 67 | 92 | 73 | 78 | 94 | 88 | 92 |
| 4434 RR | 85 | 69 | 83 | 88 | 82 | 93 | 91 | 89 |
| 997RR | 84 | 90 | 82 | 78 | 90 | 84 | 84 | 76 |
| SW K5325 RR * | 96 | 95 | 92 | 106 | 87 | 93 | 109 | 92 |
| 04H278 *, ** | 87 | 77 | 90 | 104 | 81 | 78 | 93 | 85 |
| v1037 ** | 90 | 82 | 112 | 84 | 90 | 87 | 73 | 101 |
| v2018 ** | 92 | 73 | 103 | 108 | 90 | 82 | 105 | 82 |
| 30412-B6 * | 96 | 96 | 103 | 95 | 89 | 100 | 99 | 91 |
| 30609-B6 * | 78 | 74 | 84 | 68 | 79 | 90 | 83 | 68 |
| 93H01 RR | 88 | 85 | 93 | 87 | 89 | 94 | 84 | 83 |
| D3150 | 96 | 101 | 108 | 77 | 104 | 100 | 86 | 98 |
| Rugby | 79 | 83 | 81 | 80 | 79 | 88 | 78 | 67 |
| 46P50 | 93 | 93 | 96 | 86 | 101 | 104 | 84 | 89 |
| 45H21, 5020 Yield bu/ac | 68 | 53 | 67 | 41 | 124 | 104 | 38 | 46 |
| CV | 9 | 5 | 10 | 10 | 12 | 8 | 12 | 8 |
| LSD .05 (As % OF 45H21, 5020) | 12 | 7 | 13 | 13 | 16 | 10 | 16 | 10 |

* Not registered ** Specialty oil



For more information regarding PCVT results, contact:

Canola Council of Canada

400-167 Lombard Ave.

Winnipeg, MB R3B 0T6

Toll-free: 1-866-834-4378

E-mail: admin@canolacouncil.org

www.canolacouncil.org