

# Technical Bulletin

Genes that fit *your* farm.

**SeCan**

Canada's Seed Partner

## CDC Hickie Yellow Field Pea



Progress Through Research  
Le progrès grâce à la recherche

### Description:

CDC Hickie is a high yielding yellow cotyledon field pea with high protein, medium vine length, good standability and good resistance to seed coat breakage, dimpling and less green coloration.

- Resistance to dimpling
- Greenness (less green coloration) better than CDC Inca or CDC Spectrum

**Parentage:** CDC 2283-17/P0410-16

### Strengths:

- 104% yield of CDC Amarillo
- +0.2% protein compared to CDC Amarillo
- Good lodging resistance; similar to CDC Amarillo and AAC Lacombe
- Medium-long vine length; similar to CDC Amarillo
- Powdery mildew resistance
- Moderate resistance rating to Fusarium wilt
- Improved seed characteristic package- rated good for:
  - Resistance to seed coat breakage

### Neutral Traits:

- Medium maturity, 1 day later than CDC Amarillo
- Medium seed size similar to CDC Amarillo
- Fair Mycosphaerella blight resistance (similar to CDC Amarillo or CDC Lewochko)

### PBR Protected

### Breeder:



### Funded by:



**Table 1: Performance of CDC Hickie compared to the checks (Pea Co-op Test B, 2017-2018)**

| Variety              | Yield (kg/ha) | Yield (% mean of checks) | Days to maturity | Vine length (cm) | Lodging (pre-harvest) | Seed wt (mg) | Shape      | Crude protein (%) |
|----------------------|---------------|--------------------------|------------------|------------------|-----------------------|--------------|------------|-------------------|
| CDC Amarillo (check) | 3900          | 100                      | 93               | 83               | 2.6                   | 229          | 2.5        | 24.2              |
| AAC Lacombe (check)  | 3930          | 100                      | 92               | 80               | 2.5                   | 256          | 2.5        | 22.7              |
| <b>CDC Hickie</b>    | <b>4040</b>   | <b>103</b>               | <b>94</b>        | <b>83</b>        | <b>2.6</b>            | <b>232</b>   | <b>2.7</b> | <b>24.4</b>       |
| # of locations       | 27            |                          | 25               | 21               | 25                    | 26           | 18         | 16                |

Lodging score: 1=upright; 9=completely lodged

Shape: 1=round; 5=cubic

**Table 2: Performance of CDC Hickie compared to the checks (Pea Co-op Test B, 2017-2018)**

| Variety              | Myco (AB)  | Myco (SK)  | Fusarium wilt (%) | Powdery mildew |
|----------------------|------------|------------|-------------------|----------------|
| CDC Amarillo (check) | 3.2        | 4.7        | 29                | 0              |
| AAC Lacombe (check)  | 2.1        | 4.9        | 19                | 0              |
| <b>CDC Hickie</b>    | <b>1.8</b> | <b>5.1</b> | <b>18</b>         | <b>0</b>       |
| # locations          | 2          | 2          | 2                 | 2              |

Myco (MB)= Mycosphaerella blight assessed at Morden, MB (1=no disease, 9=completely blighted)

Myco (SK)= Mycosphaerella blight assessed at Saskatoon, SK.

Powdery mildew (0=no disease, 9=completely mildewed)

For more information, call 1-800-665-7333 or visit [www.secan.com](http://www.secan.com)

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## 2026 Seed Manitoba

| Variety           | Yield<br>% of Check<br>AAC Carver | Site Years<br>Tested | Relative<br>Maturity | Relative<br>Vine Length | Seed Size<br>(TKW) | Resistance to: |                   |                 |                               |                                 |                       |                                    |
|-------------------|-----------------------------------|----------------------|----------------------|-------------------------|--------------------|----------------|-------------------|-----------------|-------------------------------|---------------------------------|-----------------------|------------------------------------|
|                   |                                   |                      |                      |                         |                    | Lodging        | Powdery<br>Mildew | MB <sup>1</sup> | Fusarium<br>Wilt <sup>2</sup> | Green Seed<br>Coat <sup>3</sup> | Seed Coat<br>Breakage | Seed Coat<br>Dimpling <sup>4</sup> |
| AAC Carver        | 100                               | 67                   | Early                | L                       | 240                | G              | VG                | F               | I                             | G                               | G                     | G                                  |
| CDC Boundless     | 98                                | 15                   | Long                 | L                       | 230                | VG             | VG                | F               | MR                            | G                               | G                     | G                                  |
| CDC Canuck        | 102                               | 6                    | Long                 | L                       | 240                | VG             | VG                | F               | MR                            | G                               | VG                    | G                                  |
| CDC Lewochko      | 100                               | 48                   | Long                 | L                       | 230                | VG             | VG                | F               | I                             | G                               | G                     | G                                  |
| CDC Tollefson     | 103                               | 29                   | Long                 | L                       | 240                | VG             | VG                | F               | MR                            | G                               | G                     | G                                  |
| <b>CDC Hickie</b> | <b>98</b>                         | <b>29</b>            | <b>Mid</b>           | <b>M</b>                | <b>230</b>         | <b>VG</b>      | <b>VG</b>         | <b>F</b>        | <b>MR</b>                     | <b>G</b>                        | <b>G</b>              | <b>G</b>                           |

1. Mycosphaerella Blight; 2. Varieties which show good disease tolerance to one strain of Fusarium wilt may be susceptible to other strains; 3. Green seed coats: G= 0-10%, F= 11-25%  
4. Seed coat dimpling rating: VG= 0-5%, G= 6-20%, F= 21-50%

## 2026 Saskatchewan Seed Guide

| Variety           | Years<br>Tested | Yield (% of CDC Amarillo) |                |            | Protein     | Relative<br>Maturity | Lodging <sup>1</sup> | Vine<br>Length<br>(cm) | Resistance to:  |                   |                  |                       |                                    |                        | Seed<br>Weight<br>(g/1000) |
|-------------------|-----------------|---------------------------|----------------|------------|-------------|----------------------|----------------------|------------------------|-----------------|-------------------|------------------|-----------------------|------------------------------------|------------------------|----------------------------|
|                   |                 | 1, 2, &<br>South 3        | North 3<br>& 4 | Irrigation |             |                      |                      |                        | MB <sup>2</sup> | Powdery<br>Mildew | Fusarium<br>Wilt | Seed Coat<br>Breakage | Seed Coat<br>Dimpling <sup>3</sup> | Greenness <sup>4</sup> |                            |
| CDC Amarillo (C)  | 16              | 100                       | 100            | 100        | 23.7        | M                    | 2.9                  | 85                     | 3.8             | R                 | MR               | F                     | F                                  | G                      | 230                        |
| CDC Boundless     | 6               | 108                       | 106            | ---        | +0.5        | M                    | -0.1                 | 90                     | -0.1            | R                 | MR               | G                     | G                                  | G                      | 230                        |
| CDC Canary        | 10              | 99                        | 100            | ---        | -0.2        | E                    | +0.2                 | 85                     | +0.4            | R                 | I                | G                     | F                                  | F                      | 230                        |
| CDC Canuck        | 4               | 109                       | 106            | ---        | -0.1        | M                    | +0.2                 | 90                     | -0.4            | R                 | MR               | G                     | G                                  | F                      | 240                        |
| CDC Lewochko      | 12              | 104                       | 103            | ---        | +0.8        | M                    | -0.1                 | 90                     | -0.2            | R                 | I                | G                     | G                                  | G                      | 230                        |
| CDC Spectrum      | 14              | 104                       | 103            | 93         | +0.3        | M                    | +0.1                 | 85                     | -0.2            | R                 | I                | G                     | G                                  | F                      | 240                        |
| CDC Tollefson     | 9               | 107                       | 106            | ---        | -0.1        | M                    | -0.2                 | 90                     | -0.1            | R                 | MR               | G                     | G                                  | G                      | 240                        |
| <b>CDC Hickie</b> | <b>9</b>        | <b>106</b>                | <b>104</b>     | <b>---</b> | <b>+0.6</b> | <b>M</b>             | <b>-0.1</b>          | <b>85</b>              | <b>0.0</b>      | <b>R</b>          | <b>MR</b>        | <b>G</b>              | <b>G</b>                           | <b>G</b>               | <b>230</b>                 |

1. Lodging: 1= completely upright, 9= completely lodged; values are +/- CDC Amarillo; 2. Mycosphaerella Blight score (1-9): 1= no disease, 9= completely blighted, values are +/- CDC Amarillo  
3. Seed coat dimpling: VG= 0-5%, G= 6-20%, F= 21-50%; 4. Green seed coats: G= 0-15%, F= 16-40%

## 2026 Alberta Seed Guide

| Variety                     | Most<br>Recent<br>year of<br>RVT<br>Testing | Overall<br>Yield | Overall<br>Station<br>Years of<br>Testing | Brown - Irrigated |               | Brown        |               | Black-short  |               | Black-mid    |               | Grey Wooded  |               | Agronomic Characteristics: |                                 |                        |                       |                                | Disease<br>Tolerance <sup>5</sup> |                  | Tolerance to:         |                                    |                                    |
|-----------------------------|---------------------------------------------|------------------|-------------------------------------------|-------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|----------------------------|---------------------------------|------------------------|-----------------------|--------------------------------|-----------------------------------|------------------|-----------------------|------------------------------------|------------------------------------|
|                             |                                             |                  |                                           | Yield<br>(%)      | Site<br>Years | Yield<br>(%) | Site<br>Years | Yield<br>(%) | Site<br>Years | Yield<br>(%) | Site<br>Years | Yield<br>(%) | Site<br>Years | Protein<br>(%)             | Maturity<br>Rating <sup>1</sup> | Vine<br>Length<br>(cm) | Seed<br>Size<br>(TKW) | Stand-<br>ability <sup>2</sup> | MB <sup>3</sup>                   | Fusarium<br>Wilt | Seed Coat<br>Breakage | Seed Coat<br>Dimpling <sup>4</sup> | Green<br>Seed<br>Coat <sup>6</sup> |
| <b>CDC Amarillo (bu/ac)</b> |                                             | <b>74</b>        |                                           | <b>83</b>         |               | <b>63</b>    |               | <b>83</b>    |               | <b>70</b>    |               | <b>75</b>    |               |                            |                                 |                        |                       |                                |                                   |                  |                       |                                    |                                    |
| CDC Amarillo (C)            | 2025                                        | 100              | 105                                       | 100               | 6             | 100          | 13            | 100          | 27            | 100          | 44            | 100          | 15            | 23.7                       | M                               | 85                     | 230                   | 2.9                            | 3.8                               | MR               | F                     | F                                  | G                                  |
| CDC Boundless               | 2025                                        | 105              | 30                                        | XX                | 3             | XX           | 5             | 107          | 7             | 106          | 11            | XX           | 4             | 0.5                        | M                               | 90                     | 230                   | 2.8                            | 3.7                               | MR               | G                     | G                                  | G                                  |
| CDC Canary                  | 2023                                        | 103              | 58                                        | XX                | 3             | 95           | 7             | 104          | 14            | 105          | 23            | 103          | 13            | -0.2                       | E                               | 85                     | 230                   | 3.1                            | 4.2                               | I                | G                     | F                                  | F                                  |
| CDC Lewochko                | 2023                                        | 103              | 58                                        | XX                | 3             | 98           | 7             | 104          | 14            | 104          | 23            | 103          | 11            | +0.8                       | M                               | 90                     | 230                   | 2.8                            | 3.6                               | I                | G                     | G                                  | G                                  |
| CDC Spectrum                | 2023                                        | 103              | 68                                        | XX                | 3             | 94           | 7             | 105          | 18            | 105          | 29            | 105          | 11            | +0.3                       | M                               | 85                     | 240                   | 3.0                            | 3.7                               | I                | G                     | G                                  | F                                  |
| CDC Tollefson               | 2024                                        | 105              | 25                                        | XX                | 2             | XX           | 2             | 108          | 6             | 106          | 10            | XX           | 5             | -0.1                       | M                               | 90                     | 240                   | 2.8                            | 3.7                               | MR               | G                     | G                                  | G                                  |
| <b>CDC Hickie</b>           | <b>2024</b>                                 | <b>101</b>       | <b>25</b>                                 | <b>XX</b>         | <b>2</b>      | <b>XX</b>    | <b>2</b>      | <b>105</b>   | <b>6</b>      | <b>101</b>   | <b>10</b>     | <b>XX</b>    | <b>3</b>      | <b>+0.6</b>                | <b>M</b>                        | <b>85</b>              | <b>230</b>            | <b>2.8</b>                     | <b>3.8</b>                        | <b>MR</b>        | <b>G</b>              | <b>G</b>                           | <b>G</b>                           |

1. Maturity: E= Early, M= Medium, L= Late; Standability: 2. 1= completely upright, 9= completely lodging; 3. Mycosphaerella Blight: 4. 1= no disease, 9= completely blighted;  
5. Seed Coat Dimpling: VG= 0-5%, G= 6-20%, F= 21-50%; 6. Disease Tolerance: I= intermediate, MR= moderately resistance, R= resistant; Green Seed Coat: G= 0-10%, F= 11-25%

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