

Table 2: Elora, Port Hope, Winchester, Wingham 2022 Ontario Hybrid Corn Performance Trials - Conducted by the Ontario Corn Committee

| CHU | Brand and/or Hybrid | | GM Trait | Seed Trt | 2021-2022 averages ¹ | | | | 2022 averages ² | | | | Results of 2022 Performance Trials | | | | | | | | | | | |
|------|---------------------|-----------------|----------|----------|---------------------------------|---------|-------|---------------|----------------------------|---------|-------|---------------|------------------------------------|---------|-------|--------------|---------|-------|---------------|---------|-------|-------------|---------|-------|
| | | | | | average of 8 trials | | | | average of 4 trials | | | | ELORA | | | PORT HOPE T2 | | | WINCHESTER T2 | | | WINGHAM | | |
| | | | | | Yield Index | Moist % | Ldg % | Test Wt Index | Yield Index | Moist % | Ldg % | Test Wt Index | Yield Index | Moist % | Ldg % | Yield Index | Moist % | Ldg % | Yield Index | Moist % | Ldg % | Yield Index | Moist % | Ldg % |
| 2300 | Brevant | B79H45AM | 23 | L | 88 | 20.2 | | 104 | 88 | 19.5 | | 105 | 85 | 22.9 | 0 | 88 | 16.1 | 1 | 90 | 19.8 | | 88 | 19.4 | 1 |
| 2425 | Brevant | B83R36AM | 23 | L | | | | | 91 | 20.3 | | 101 | 95 | 25.3 | 0 | 91 | 17.1 | 1 | 89 | 19.1 | | 89 | 19.8 | 0 |
| 2450 | Brevant | B85V67AM | 23 | L | | | | | 96 | 20.5 | | 100 | 94 | 23.9 | 0 | 96 | 16.8 | 0 | 104 | 20.0 | | 90 | 21.1 | 0 |
| 2450 | Pioneer | P8407AM | 23 | L | 96 | 21.1 | | 101 | 97 | 20.0 | | 101 | 104 | 23.8 | 0 | 95 | 16.4 | 0 | 95 | 19.6 | | 97 | 20.3 | 0 |
| 2550 | Pioneer | P8537AM | 23 | L | 91 | 20.9 | | 103 | 89 | 19.8 | | 104 | 90 | 22.6 | 0 | 87 | 16.7 | 0 | 94 | 19.3 | | 85 | 20.4 | 1 |
| 2550 | Pioneer | P8736AM | 23 | L | 96 | 21.1 | | 101 | 97 | 20.4 | | 102 | 88 | 24.0 | 0 | 96 | 16.9 | 0 | 100 | 19.6 | | 102 | 21.0 | 0 |
| 2600 | Maizex | MZ 269 | 0 | F | 97 | 21.4 | | 102 | 100 | 20.1 | | 102 | 102 | 23.4 | 0 | 104 | 16.8 | 1 | 95 | 18.7 | | 99 | 21.7 | 0 |
| 2600 | Maizex | MZ 2699DBR | 6 | F | 97 | 21.3 | | 101 | 96 | 20.3 | | 102 | 102 | 24.7 | 0 | 97 | 16.3 | 0 | 94 | 19.2 | | 93 | 21.0 | 0 |
| 2600 | Pioneer | P8602AM | 23 | L | | | | | | | | | | | | 104 | 18.2 | 0 | 104 | 22.3 | | 96 | 21.8 | 0 |
| 2600 | Pioneer | P8859AM | 23 | L | | | | | 99 | 20.7 | | 100 | 94 | 25.1 | 0 | 97 | 16.4 | 1 | 102 | 19.3 | | 101 | 21.9 | 0 |
| 2625 | CROPLAN | CP2585VT2P | 6 | F | | | | | 91 | 19.7 | | 103 | 90 | 23.5 | 0 | 92 | 16.5 | 0 | 93 | 18.9 | | 91 | 20.0 | 0 |
| 2625 | De Dell | DL 2315 | 0 | - | 95 | 21.5 | | 103 | 93 | 20.7 | | 104 | 98 | 23.3 | 0 | 88 | 17.4 | 1 | 88 | 19.6 | | 100 | 22.6 | 0 |
| 2650 | Brevant | B90J12AM | 23 | L | 98 | 21.5 | | 98 | 98 | 20.8 | | 99 | 99 | 25.1 | 0 | 90 | 16.5 | 1 | 104 | 19.5 | | 98 | 21.9 | 0 |
| 2650 | Brevant | B91T25AM | 23 | L | 103 | 22.5 | | 99 | 99 | 21.7 | | 100 | 93 | 25.3 | 0 | 102 | 17.2 | 0 | 104 | 21.8 | | 95 | 22.5 | 0 |
| 2650 | CROPLAN | 2790VT2P/RIB | 6 | F | 97 | 21.4 | | 101 | 99 | 20.7 | | 102 | 104 | 24.0 | 0 | 106 | 17.3 | 0 | 100 | 19.6 | | 86 | 21.7 | 0 |
| 2650 | Maizex | MZ 2711DBR | 6 | F | 97 | 21.8 | | 100 | 99 | 20.9 | | 101 | 97 | 25.9 | 0 | 100 | 16.8 | 0 | 99 | 19.6 | | 101 | 21.1 | 0 |
| 2650 | NK Brand | NK8519-DV | 34 | F | | | | | 95 | 21.0 | | 101 | 93 | 25.2 | 0 | 100 | 17.4 | 0 | 92 | 20.4 | | 97 | 21.2 | 0 |
| 2650 | NK Brand | NK8618-D | 33 | F | 95 | 22.1 | | 102 | 94 | 21.7 | | 103 | 94 | 25.2 | 0 | 89 | 18.4 | 0 | 95 | 21.3 | | 95 | 22.0 | 0 |
| 2650 | NK Brand | NK8760-V | 27 | F | | | | | 95 | 21.6 | | 101 | 95 | 24.7 | 0 | 98 | 17.9 | 0 | 95 | 21.2 | | 94 | 22.5 | 0 |
| 2650 | Pioneer | P9026AM | 23 | L | | | | | 102 | 21.2 | | 102 | 96 | 24.4 | 0 | 101 | 17.3 | 0 | 104 | 20.1 | | 106 | 23.2 | 0 |
| 2650 | Pioneer | P9188AM | 23 | L | 98 | 22.0 | | 102 | 100 | 21.0 | | 102 | 109 | 24.3 | 0 | 96 | 16.9 | 0 | 98 | 20.7 | | 98 | 22.2 | 0 |
| 2675 | CROPLAN | CP2851VT2P/RIB | 6 | F | 93 | 21.8 | | 101 | 93 | 20.8 | | 101 | 96 | 25.5 | 0 | 93 | 16.5 | 1 | 98 | 20.1 | | 87 | 21.3 | 0 |
| 2675 | Maizex | MZ 2982DBR | 6 | F | 101 | 22.6 | | 99 | 103 | 22.2 | | 99 | 99 | 25.7 | 0 | 102 | 17.0 | 0 | 104 | 22.8 | | 107 | 23.2 | 0 |
| 2700 | CROPLAN | 2965VT2P/RIB | 6 | F | 95 | 21.9 | | 102 | 97 | 21.2 | | 101 | 93 | 25.8 | 0 | 100 | 16.9 | 0 | 98 | 19.9 | | 97 | 22.3 | 0 |
| 2700 | CROPLAN | CP3166VT2P | 6 | F | 98 | 23.5 | | 97 | 97 | 23.1 | | 98 | 102 | 26.7 | 0 | 99 | 17.6 | 0 | 99 | 25.2 | | 89 | 22.8 | 0 |
| 2700 | DLF | PS 2778VT2P RIB | 6 | L | 97 | 21.4 | | 101 | 99 | 20.8 | | 101 | 99 | 25.1 | 0 | 103 | 16.6 | 0 | 99 | 19.5 | | 95 | 22.1 | 0 |
| 2700 | Horizon | HZ 3015 | 0 | F | 100 | 21.8 | | 101 | 98 | 20.7 | | 101 | 104 | 23.2 | 0 | 95 | 17.2 | 5 | 91 | 20.5 | | 104 | 21.8 | 0 |
| 2700 | Horizon | HZ 3050 | 33 | F | | | | | 96 | 21.9 | | 99 | 90 | 24.7 | 0 | 94 | 18.1 | 3 | 92 | 21.9 | | 108 | 22.9 | 0 |
| 2725 | Brevant | B92R26AM | 23 | L | 100 | 22.6 | | 96 | 100 | 21.9 | | 97 | 102 | 27.0 | 0 | 102 | 16.6 | 0 | 102 | 20.8 | | 92 | 23.2 | 0 |
| 2725 | CROPLAN | CP2972SS | 8 | F | | | | | 96 | 21.6 | | 101 | 101 | 25.1 | 0 | 91 | 17.0 | 0 | 101 | 22.4 | | 91 | 21.7 | 0 |
| 2725 | DEKALB | DKC39-55RIB | 6 | L | 104 | 22.3 | | 101 | 104 | 21.4 | | 101 | 102 | 25.5 | 0 | 98 | 16.4 | 0 | 102 | 20.4 | | 114 | 23.4 | 0 |
| 2725 | DEKALB | DKC40-99RIB | 32 | L | 102 | 22.5 | | 99 | 104 | 21.7 | | 100 | 107 | 27.4 | 0 | 107 | 17.4 | 0 | 103 | 19.9 | | 100 | 22.1 | 0 |
| 2725 | DLF | PS 2767VT2P RIB | 6 | L | 102 | 21.7 | | 100 | 105 | 21.1 | | 100 | 112 | 25.5 | 0 | 107 | 16.5 | 0 | 101 | 19.9 | | 101 | 22.4 | 0 |
| 2725 | Maizex | MZ 3117DBR | 6 | F | 103 | 23.0 | | 98 | 105 | 22.3 | | 97 | 104 | 26.4 | 0 | 106 | 17.2 | 0 | 103 | 21.2 | | 109 | 24.4 | 0 |
| 2725 | NK Brand | NK9023-DV | 34 | F | 100 | 22.3 | | 99 | 100 | 21.6 | | 100 | 96 | 26.1 | 0 | 101 | 17.5 | 0 | 99 | 20.5 | | 103 | 22.4 | 0 |
| 2725 | Pioneer | P9233AM | 23 | L | 99 | 22.9 | | 100 | 99 | 21.8 | | 101 | 96 | 25.5 | 0 | 96 | 17.2 | 0 | 99 | 21.9 | | 103 | 22.4 | 0 |
| 2725 | PRIDE Seeds | A5959G2 RIB | 6 | F | 102 | 21.9 | | 100 | 104 | 21.4 | | 100 | 105 | 26.1 | 0 | 107 | 17.3 | 0 | 101 | 20.2 | | 105 | 22.1 | 0 |
| 2750 | De Dell | DL 3146 | 0 | - | 99 | 22.3 | | 101 | 97 | 21.5 | | 101 | 106 | 25.2 | 0 | 90 | 17.7 | 1 | 91 | 20.6 | | 104 | 22.4 | 1 |
| 2750 | DLF | PS 2745VT2P RIB | 6 | L | 101 | 23.3 | | 99 | 101 | 22.4 | | 99 | 96 | 27.1 | 0 | 101 | 17.4 | 0 | 104 | 21.6 | | 102 | 23.5 | 0 |
| 2750 | Horizon | HZ 3245 | 27 | F | 101 | 22.7 | | 101 | 97 | 21.9 | | 100 | 95 | 26.1 | 0 | 91 | 18.0 | 4 | 98 | 21.1 | | 103 | 22.4 | 0 |

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| CHU | Brand and/or Hybrid | | GM Trait | Seed Trt | 2021-2022 averages ¹ | | | | 2022 averages ² | | | | Results of 2022 Performance Trials | | | | | | | | | | | |
|------------------------------------|---------------------|-----------------|----------|----------|---------------------------------|---------|-------|---------------|----------------------------|---------|-------|---------------|------------------------------------|---------|-------|--------------|---------|-------|---------------|---------|-------|-------------|---------|-------|
| | | | | | average of 8 trials | | | | average of 4 trials | | | | ELORA | | | PORT HOPE T2 | | | WINCHESTER T2 | | | WINGHAM | | |
| | | | | | Yield Index | Moist % | Ldg % | Test Wt Index | Yield Index | Moist % | Ldg % | Test Wt Index | Yield Index | Moist % | Ldg % | Yield Index | Moist % | Ldg % | Yield Index | Moist % | Ldg % | Yield Index | Moist % | Ldg % |
| 2750 | Horizon | HZ 3260 | 0 | F | | | | | 98 | 21.3 | | 98 | 99 | 25.0 | 0 | 94 | 16.9 | 4 | 90 | 20.7 | | 111 | 22.4 | 0 |
| 2750 | Maizex | MZ 3120SMX | 8 | F | | | | | 104 | 22.5 | | 100 | 107 | 25.2 | 0 | 103 | 18.2 | 0 | 103 | 22.6 | | 102 | 24.1 | 0 |
| 2750 | Maizex | MZ 314 | 0 | F | 102 | 23.8 | | 98 | 97 | 23.0 | | 97 | 99 | 27.8 | 0 | 102 | 17.8 | 1 | 93 | 21.5 | | 94 | 24.9 | 0 |
| 2750 | Maizex | MZ 3314SMX | 8 | F | | | | | 102 | 22.2 | | 99 | 96 | 26.5 | 0 | 106 | 17.9 | 1 | 104 | 21.3 | | 101 | 23.3 | 0 |
| 2750 | NK Brand | NK9175-DV | 34 | F | 106 | 23.1 | | 101 | 103 | 23.0 | | 100 | 108 | 27.6 | 0 | 103 | 18.9 | 0 | 101 | 22.2 | | 102 | 23.3 | 0 |
| 2750 | Pioneer | P9301AM | 23 | L | 100 | 22.6 | | 102 | 102 | 21.8 | | 103 | 102 | 25.6 | 0 | 105 | 18.0 | 0 | 101 | 21.6 | | 100 | 22.1 | 0 |
| 2750 | PRIDE Seeds | A5925 | 0 | F | 97 | 22.4 | | 100 | 97 | 21.5 | | 100 | 100 | 24.7 | 0 | 98 | 17.3 | 0 | 98 | 20.6 | | 94 | 23.5 | 0 |
| 2750 | PRIDE Seeds | A5977G8 RIB | 8 | F | | | | | 99 | 20.8 | | 102 | 100 | 24.2 | 0 | 96 | 16.8 | 0 | 103 | 19.5 | | 96 | 22.6 | 0 |
| 2750 | Saatbau | SL27088 | 0 | C | | | | | 100 | 22.4 | | 102 | 103 | 27.8 | 0 | 103 | 18.0 | 6 | 89 | 20.6 | | 108 | 23.4 | 1 |
| 2775 | NK Brand | NK9347-D | 33 | F | | | | | 102 | 23.3 | | 97 | 109 | 28.2 | 0 | 111 | 18.3 | 0 | 94 | 22.1 | | 95 | 24.4 | 0 |
| 2800 | CROPLAN | CP3341SS | 8 | F | | | | | 100 | 21.8 | | 99 | 100 | 25.6 | 0 | 100 | 17.2 | 0 | 106 | 21.9 | | 91 | 22.5 | 0 |
| 2800 | CROPLAN | CP3490VT2P | 6 | F | 101 | 24.2 | | 98 | 100 | 23.5 | | 97 | 99 | 27.5 | 0 | 99 | 18.6 | 0 | 105 | 21.5 | | 96 | 26.3 | 0 |
| 2800 | DEKALB | DKC42-05RIB | 6 | L | 106 | 22.7 | | 98 | 107 | 22.2 | | 98 | 110 | 25.9 | 0 | 104 | 17.4 | 0 | 113 | 22.2 | | 102 | 23.4 | 0 |
| 2800 | Horizon | HZ 3375 | 27 | F | | | | | 96 | 23.1 | | 97 | 93 | 27.0 | 0 | 92 | 19.5 | 1 | 97 | 22.5 | | 100 | 23.4 | 1 |
| 2800 | Horizon | HZ 3386 | 33 | F | 97 | 23.2 | | 99 | 97 | 22.1 | | 99 | 98 | 24.8 | 0 | 93 | 17.6 | 3 | 94 | 22.3 | | 102 | 23.6 | 2 |
| 2800 | PRIDE Seeds | A6018G2 RIB | 6 | F | 102 | 23.0 | | 99 | 103 | 21.9 | | 99 | 94 | 25.9 | 0 | 103 | 17.1 | 0 | 105 | 20.6 | | 108 | 23.9 | 0 |
| 2825 | CROPLAN | 3575VT2P/RIB | 6 | F | 101 | 23.7 | | 101 | 102 | 23.0 | | 100 | 90 | 27.9 | 0 | 110 | 17.1 | 0 | 100 | 21.8 | | 109 | 25.1 | 0 |
| 2825 | DEKALB | DKC42-90RIB | 6 | L | | | | | 107 | 22.1 | | 101 | 104 | 26.4 | 0 | 108 | 17.4 | 0 | 109 | 19.8 | | 108 | 24.8 | 0 |
| 2825 | DLF | PS 2839VT2P RIB | 6 | L | 100 | 23.4 | | 98 | 101 | 22.9 | | 99 | 98 | 28.3 | 0 | 106 | 17.8 | 0 | 97 | 21.6 | | 103 | 24.0 | 0 |
| 2825 | DLF | PS 2883TRE RIB | 32 | L | 103 | 23.3 | | 98 | 103 | 22.8 | | 98 | 105 | 27.0 | 0 | 105 | 18.2 | 0 | 104 | 21.8 | | 98 | 24.0 | 0 |
| 2850 | DEKALB | DKC44-80RIB | 6 | L | 108 | 23.0 | | 98 | 109 | 22.3 | | 98 | 112 | 26.3 | 0 | 104 | 17.2 | 1 | 109 | 21.9 | | 112 | 23.7 | 0 |
| 2850 | Maizex | MZ 3505DBR | 6 | F | | | | | 109 | 22.3 | | 99 | 113 | 25.3 | 0 | 105 | 18.2 | 1 | 112 | 21.4 | | 106 | 24.3 | 0 |
| 2850 | NK Brand | NK9535-V | 27 | F | 105 | 24.3 | | 101 | 103 | 23.6 | | 100 | 100 | 27.0 | 0 | 103 | 18.9 | 3 | 99 | 23.5 | | 109 | 25.0 | 0 |
| 2850 | PRIDE Seeds | A6572G2 RIB | 6 | F | 103 | 23.6 | | 98 | 105 | 23.0 | | 99 | 108 | 28.3 | 0 | 105 | 17.6 | 0 | 107 | 22.0 | | 102 | 24.2 | 0 |
| 2875 | DEKALB | DKC45-35RIB | 6 | L | | | | | 107 | 23.5 | | 99 | 99 | 28.7 | 0 | 111 | 18.3 | 4 | 107 | 21.7 | | 109 | 25.2 | 0 |
| 2875 | DEKALB | DKC45-74RIB | 8 | L | | | | | 102 | 24.6 | | 97 | 105 | 29.4 | 0 | 101 | 18.1 | 1 | 103 | 24.7 | | 100 | 26.3 | 0 |
| 2875 | DEKALB | DKC46-50RIB | 8 | L | 105 | 24.0 | | 100 | 106 | 22.9 | | 99 | 110 | 25.8 | 0 | 104 | 17.9 | 1 | 108 | 22.1 | | 101 | 25.7 | 0 |
| 2875 | NK Brand | NK9653-DV | 34 | F | 103 | 24.1 | | 101 | 103 | 23.4 | | 101 | 102 | 27.5 | 0 | 102 | 18.8 | 0 | 100 | 21.9 | | 108 | 25.4 | 0 |
| 2900 | CROPLAN | CP3735VT2P/RIB | 6 | F | 102 | 23.9 | | 101 | 105 | 23.2 | | 100 | 101 | 28.4 | 0 | 107 | 17.3 | 0 | 107 | 22.5 | | 103 | 24.6 | 0 |
| 2900 | DEKALB | DKC46-40RIB | 6 | L | 108 | 23.5 | | 98 | 109 | 23.3 | | 98 | 114 | 28.0 | 0 | 101 | 18.2 | 0 | 108 | 21.5 | | 115 | 25.4 | 0 |
| 2900 | DLF | PS 2932VT2P RIB | 6 | L | 98 | 24.7 | | 100 | 97 | 23.8 | | 100 | 86 | 29.1 | 0 | 106 | 18.0 | 0 | 97 | 22.9 | | 101 | 25.4 | 0 |
| 2950 | DEKALB | DKC48-08RIB | 8 | L | | | | | 105 | 25.1 | | 97 | 108 | 30.3 | 0 | 108 | 18.3 | 3 | 106 | 24.8 | | 100 | 27.0 | 0 |
| 2950 | DEKALB | DKC48-70RIB | 32 | L | 107 | 24.7 | | 97 | 105 | 24.1 | | 96 | 104 | 28.7 | 0 | 105 | 18.4 | 0 | 106 | 22.9 | | 104 | 26.4 | 0 |
| LSD (0.10) for Yield Index Points* | | | | | 3 | | | | 4 | | | | 11 | | | 11 | | | 4 | | | 9 | | |
| Average all hybrids ** | | | | | 220 | 22.6 | | 70 | 217 | 21.9 | | 71 | 196 | 25.9 | 0 | 206 | 17.5 | 1 | 249 | 21.1 | | 215 | 23.0 | 0 |

¹ Elora 2021-2022, Port Hope T2 2021-2022, Winchester T2 2021-2022, Wingham 2021-2² Elora, Port Hope T2, Winchester T2, Wingham

* The LSD is a measure of variability within the trial. Yield indices that differ by an amount less than or equal to the LSD should be considered to be equal.

** Average Yields are shown in bushels per acre. Average Test Weights are shown in kg/hl.

Hybrid selection should be based on the most data available. Emphasis should be put on averages from several locations and years because these provide a more accurate prediction of future performance than do single location results.

Note: The accuracy of moisture measurement decreases as moisture content increases. This also affects the accuracy of yield determination. Results for hybrids with moisture contents over 30% should be interpreted with much caution.