



Résultats des essais variétaux de colza d'automne 2023

Ergebnisse der Winterraps- sortenversuche 2023

Results of cultivar trials with winter oilseed rape 2023

Auteurs

Vincent Nussbaum, Eve-Anne Laurent, Zora Fuchs, Manuel Wenzinger et Alice Baux

Partenaires

DGAV et agriculteurs



Impressum

| | |
|---------------------|---|
| Éditeur | Agroscope Route de Duillier 50, Case postale 1012 1260 Nyon 1 www.agroscope.ch |
| Renseignements | vincent.nussbaum@agroscope.admin.ch |
| Rédaction | Vincent Nussbaum |
| Mise en page | Vincent Nussbaum |
| Photo de couverture | Vincent Nussbaum |
| Download | www.agroscope.ch/transfer |
| Copyright | © Agroscope 2024 |
| ISSN | 2296-7214 |

Exclusion de responsabilité

Les informations contenues dans cette publication sont destinées uniquement à l'information des lectrices et lecteurs. Agroscope s'efforce de fournir des informations correctes, actuelles et complètes, mais décline toute responsabilité à cet égard. Nous déclinons toute responsabilité pour d'éventuels dommages en lien avec la mise en œuvre des informations contenues dans les publications. Les lois et dispositions légales en vigueur en Suisse s'appliquent aux lectrices et lecteurs; la jurisprudence actuelle est applicable.

Table des matières

| | <u>Pages</u> |
|---|--------------|
| Données météorologiques Meteorologische Daten Meteorological data | 5 - 6 |
| Données expérimentales Technische Angaben Technical data | 7 - 11 |
| Rendement en grain trié, à 6 % d'eau Körnertrag, gereinigt, 6 % Wassergehalt Seed yield, cleaned, 6 % moisture content | 12 - 13 |
| Note de végétation Bonitur der Vegetation Evaluation of plant development | 14 - 15 |
| Début floraison Blühbeginn Beginning of flowering | 16 |
| Humidité du grain à la récolte Wassergehalt des Korns am Erntetag Moisture content of seed at harvest | 17 |
| Hauteur des plantes en cm Pflanzenlänge in cm Plant height in cm | 18 |
| Note de verse Bonitur der Standfestigkeit Evaluation of lodging | 19 |
| Phoma en pourcentage de plantes infectées Phoma infizierte Pflanzen in Prozent Phoma stem canker as a percentage of infected plants | 20 |
| Sclérotiniose en pourcentage de plantes infectées Sklerotinia infizierte Pflanzen in Prozent Sclerotinia stem rot as a percentage of infected plants | 21 |
| Poids de mille grains en grammes Tausendkorngewicht in g Weight of 1000 seeds in g | 22 |
| Teneur en huile (%) à 6 % d' humidité Oelgehalt (%) bei 6 % Wassergehalt des Korns Oil content (%) at 6 % moisture content of seed | 23 |
| Composition en acides gras % Fettsäurezusammensetzung % Fatty acids composition % | 24 |
| Teneur en protéines Proteingehalt Protein content | 25 |
| Teneur en glucosinolates, en mmol/kg de graines sur la récolte Glukosinolatgehalte, mmol/kg Samen im Erntegut Glucosinolates content, mmol/kg from harvested seed | 26 |

Table des matières

Récapitulation des résultats 2021 - 2023
 Zusammenstellung der Ergebnisse 2021 - 2023
 Summary of the 2021 - 2023 results

| | <u>Pages</u> |
|---|---------------------|
| Rendement en grain trié, à 6 % d'eau Körnertrag, gereinigt, 6 % Wassergehalt Seed yield, cleaned, 6 % moisture content | 27 - 28 |
| Début floraison Blühbeginn Beginning of flowering | 29 |
| Humidité du grain à la récolte Wassergehalt des Korns am Erntetag Moisture content of seed at harvest | 30 |
| Hauteur des plantes en cm Pflanzenlänge in cm Plant height in cm | 31 |
| Note de verse Bonitur der Frühlagerung Evaluation of early lodging | 32 |
| Poids de mille grains en grammes Tausendkorngewicht in g Weight of 1000 seeds in g | 33 |
| Teneur en huile (%) à 6 % d' humidité Oelgehalt (%) bei 6 % Wassergehalt des Korns Oil content (%) at 6 % moisture content of seed | 34 |
| Teneur en glucosinolates, en mmol/kg de graines sur la récolte Glukosinolatgehalte, mmol/kg Samen im Erntegut Glucosinolates content, mmol/kg from harvested seed | 35 |
| Indice VAT VAT Indiz VCU Index | 36 |

Météo Changins

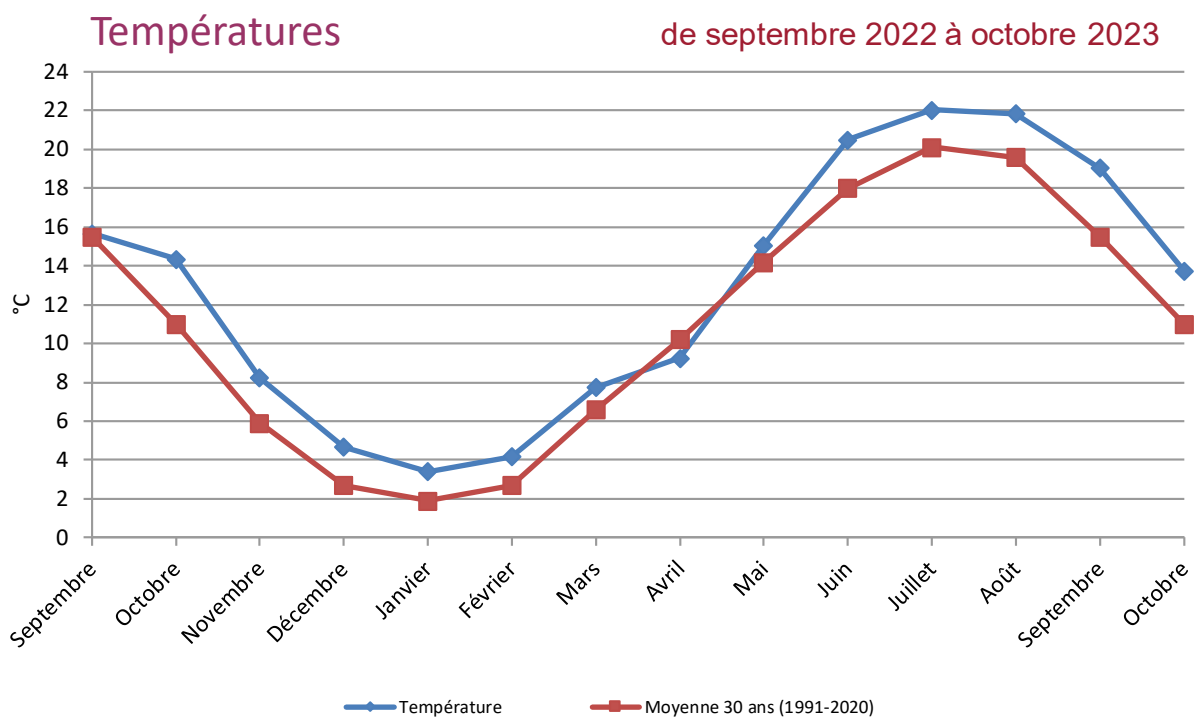


Figure 1 : Températures moyennes mensuelles de la campagne 2022-2023 et de la période de référence 1991-2020 sur le site de Changins (source Agrométéo)

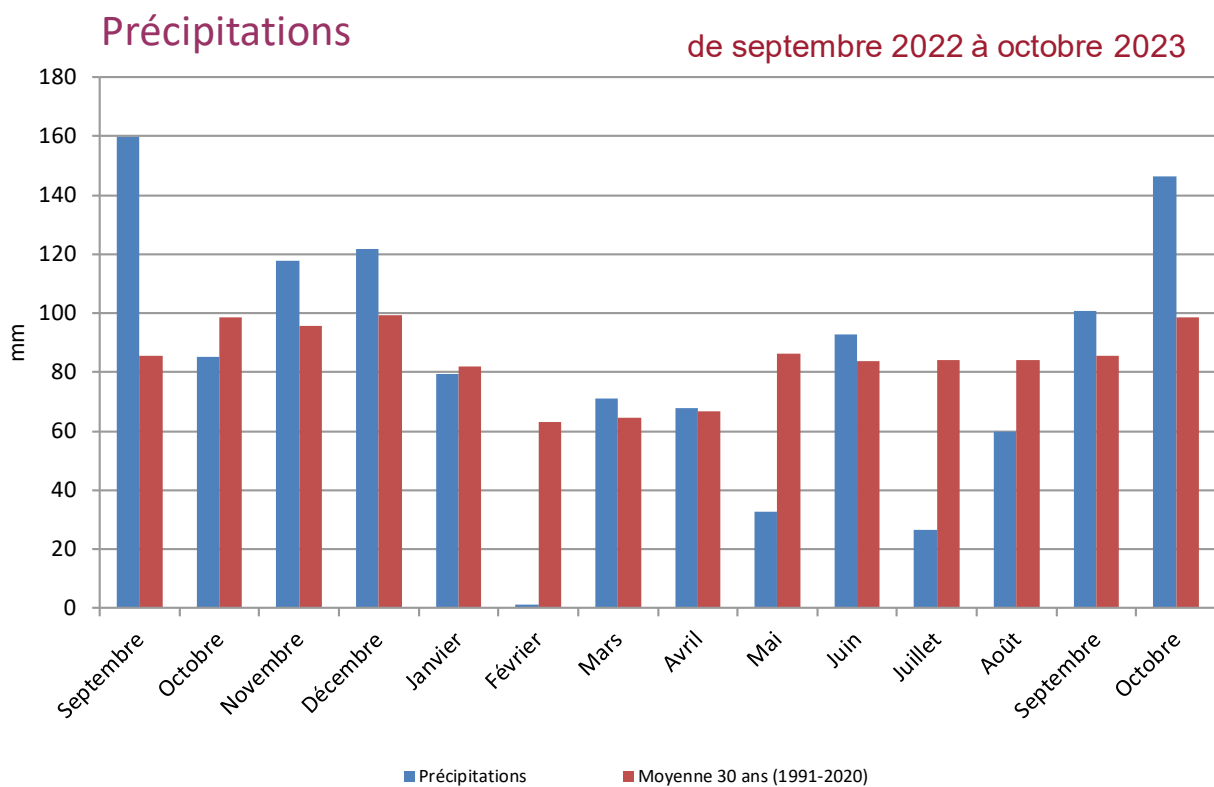


Figure 2 : Sommes des précipitations mensuelles de la campagne 2022-2023 et précipitations moyennes mensuelles de la période de référence 1991-2020 sur le site de Changins (source Agrométéo)

Météo Reckenholz

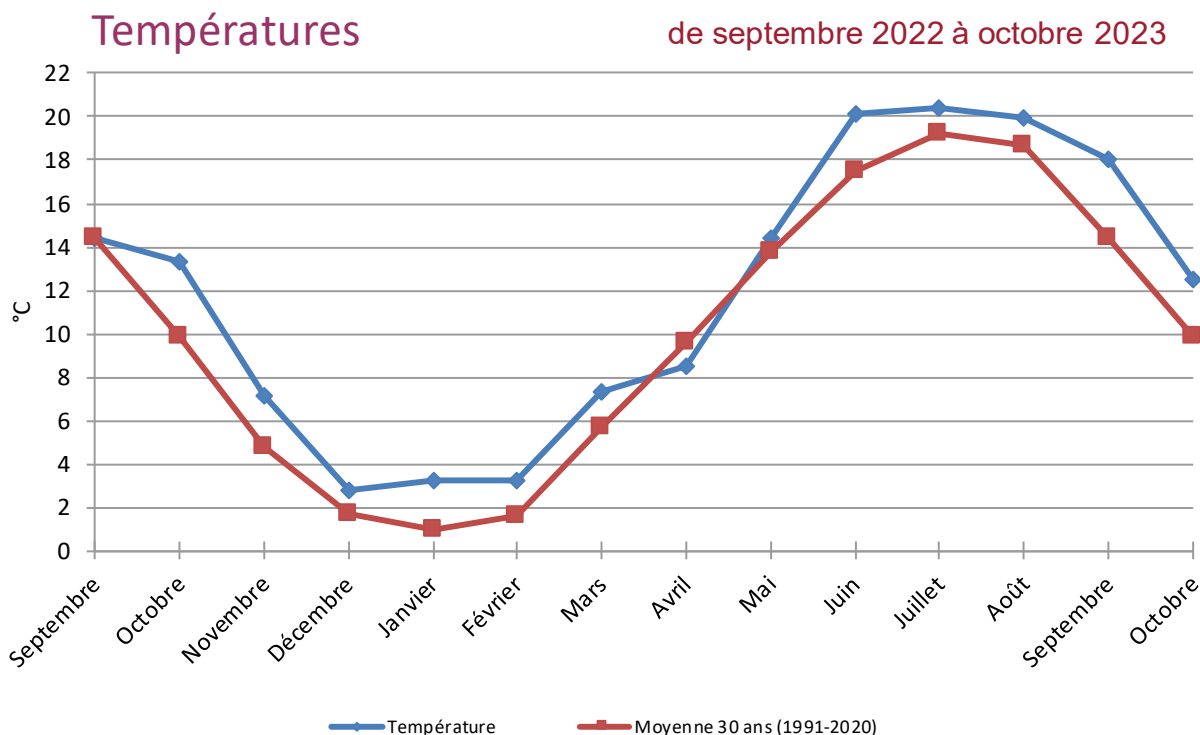


Figure 3 : Températures moyennes mensuelles de la campagne 2022-2023 et de la période de référence 1991-2020 sur le site de Reckenholz (source MétéoSuisse)

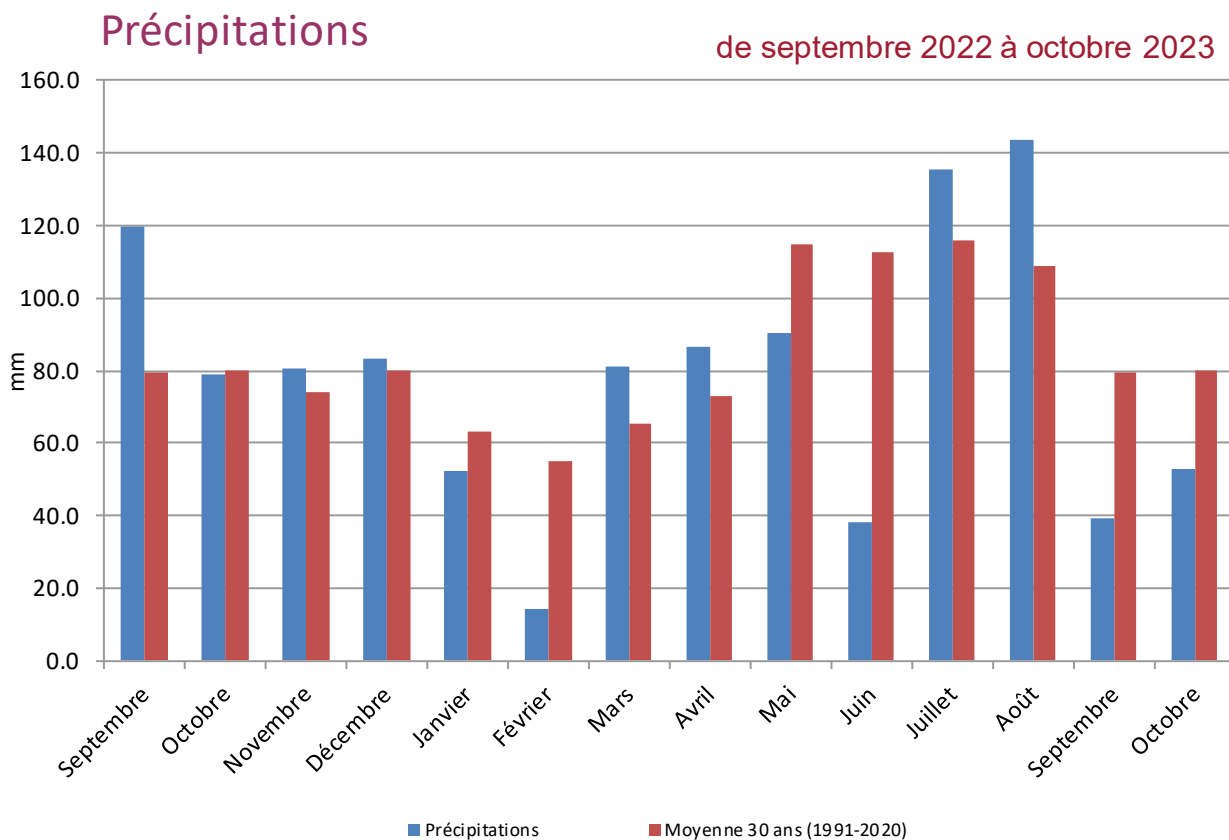


Figure 4 : Sommes des précipitations mensuelles de la campagne 2022-2023 et précipitations moyennes mensuelles de la période de référence 1991-2020 sur le site de Changins (source MétéoSuisse)

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 1 : Données expérimentales / Technische Angaben / Technical data

| Lieux d'essai Versuchsorte Locations | Altitudes Höhe ü.M. Altitude | Dates de semis Saat Sowing | Dates de récolte Ernte Harvest | Surfaces des parcelles Parzellenfläche Plot size | Densités de semis Saatdichte Seed density | Interlignes Reihenweite Row distance |
|--|------------------------------------|----------------------------------|--------------------------------------|--|---|--|
| Changins (VD) | 425 m | 23.08.2022 | 04.07.2023 | 23.6 m ² | 40 grains/m ² | 21 cm |
| Moudon (VD) | 800 m | 25.08.2022 | 10.07.2023 | 23.6 m ² | 40 grains/m ² | 21 cm |
| Burtigny (VD) | 720 m | 24.08.2022 | 11.07.2023 | 23.6 m ² | 40 grains/m ² | 21 cm |
| Goumoens-la-Ville (VD) | 618 m | 24.08.2022 | 07.07.2023 | 23.6 m ² | 40 grains/m ² | 21 cm |
| Reckenholz (ZH) | 440 m | 30.08.2022 | 20.07.2023 | 28 m ² | 40 grains/m ² | 18 cm |
| Gennersbrunn (SH) | 470 m | 30.08.2022 | 21.07.2023 | 26 m ² | 40 grains/m ² | 18 cm |
| Courtedoux (JU) | 470 m | 22.08.2022 | 11.07.2023 | 100 m ² | 41 grains/m ² | |
| Hochfelden (ZH) | 399 m | | | | 39 grains/m ² | |
| Kölliken (AG) | 430 m | | | 350 m ² | | |
| La Vounaise (FR) | 600 m | 26.08.2022 | | 1'100 m ² | 34 grains/m ² | |

Dispositif expérimental: Alpha-Plan avec 3 répétitions (essais Agroscope)
Essais en bandes sans répétition (autres essais)

Versuchsanlage: Alpha-Plan mit 3 Wiederholungen (Agroscope Versuche)
Streifenversuche ohne Wiederholungen (autres essais)

Experimental design: Alpha-Plan with 3 replications (Agroscope trials)
Strip trials without replications (other trials)

Méthodes culturales: selon usage propre à chaque domaine
Anbaumethoden: betriebsüblich
Agronomic practices: as usual on each farm

Récolte: récolte directe à la moissonneuse-batteuse (essais Agroscope)
selon usage propre à chaque domaine (autres essais)

Ernte: Direktdrusch mit Mähdröschler (Agroscope Versuche)
betriebsüblich (andere Versuche)

Harvest: direct combine harvesting (other trials)
as usual on each farm (other trials)

Abréviation dans les tableaux: P.p.d.s. : plus petite différence significative / KGD / LSD
Abkürzungen in den Tabellen: n.s. : différences non significatives / nicht signifikant / not significant
Abbreviations in tables: C. V. : coefficient de variation / Variationskoeffizient / variation coefficient

Notations visuelles: 1 = note la plus favorable (pour les précocités = la plus précoce)
9 = note la moins favorable

Bonituren: 1 = beste Note (bei der Blüte = früh) 9 = schlechteste Note
Field evaluations: 1 = best (for flowering = early) 9 = worst score

Données techniques des essais variétaux

Organisateur: Agroscope
Lieu d'essai: Duillier VD (1266) / Changins P.34
Texture de sol: 31 % argile, 46 % silt, 23 % sable; 2.6 % MO; pH 7.2
Précédent cultural: Blé d'automne
Travail du sol: Cultivateur, herse rotative
Fumure organique: Lisier de bovins 40.5 m³/ha le 08.08.2022
Fumure minérale de fond: Aucune
Fumure azotée: 130 N (30 N le 19.09.22; 75 N le 14.02.23; 25 N le 03.03.23)
Traitements herbicides: Brasan Trio 3.8 l/ha le 26.08.2022
 Fusilade Max 1.5 l/ha le 13.09.2022
Traitements molluscicides: Metarex Inov 6 kg/ha le 25.08.2022
Traitements insecticides: Blocker 0.2 l/ha le 22.02.2023

Organisateur: Agroscope
Lieu d'essai: Burtigny VD (1268) / Daniel Humbert
Précédent cultural: Blé d'automne
Travail du sol: Labour, herse rotative
Fumure organique: Fumier de bovins 35 m³/ha le 16.08.2022
Fumure minérale de fond: Aucune
Fumure azotée: 133 N (65 N le 15.02.23; 68 N le 16.03.23)
Traitements herbicides: Devrinol Top 3.0 l/ha le 25.08.2022
Traitements molluscicides: Metarex Inov 6 kg/ha le 25.08.2022
Traitements insecticides: Aucun

Organisateur: Agroscope
Lieu d'essai: Goumoëns-la-Ville VD (1376) / P.13
Texture de sol: 24 % argile, 41 % silt, 35 % sable; 2.3 % MO; pH 6.1
Précédent cultural: Blé de printemps
Travail du sol: Cultivateur, herse rotative
Fumure organique: Aucune
Fumure minérale de fond: Aucune
Fumure azotée: 140 N (71 N le 14.02.23; 69 N le 23.03.23)
Traitements herbicides: Brasan Trio 3.0 l/ha le 25.08.2022
 Select 0.5 l/ha le 22.11.2022
Traitements molluscicides: Metarex Inov 6 kg/ha le 24.08.2022
Traitements insecticides: Aucun

Organisateur: Agroscope
Lieu d'essai: Moudon VD (1510) / DGA
Précédent cultural: Blé d'automne
Travail du sol: Déchaumeur, herse rotative
Fumure organique: Aucune
Fumure minérale de fond: Aucune
Fumure azotée: 169 N (84 N le 17.02.23; 85 N le 17.03.23)
Traitements herbicides: Devrinol Top 3.0 l/ha le 29.08.2022
 Fusilade Max 1.5 l/ha le 12.09.2022
Traitements molluscicides: Metarex Inov 6 kg/ha
Traitements insecticides: Karate Zeon 0.075 l/ha le 07.03.2023
 Blocker 0.2 l/ha le 21.03.2023

Données techniques des essais variétaux

Organisateur: Agroscope
Lieu d'essai: Reckenholz ZH (8046)
Précédent cultural: Orge d'automne
Travail du sol: Cultivateur, labour, herse rotative, rouleau après semis
Fumure organique: Compost 49 t/ha le 18.07.2022
Fumure minérale de fond: Aucune
Fumure azotée: 107 N (78 N 17.02.23; 29 N 24.03.23)
Traitements herbicides: Nimbus CS 3.0 l/ha le 01.09.2022
 Fusilade Max 3.0 l/ha le 19.10.2022
Traitements insecticides: Karate Zeon 0.07 l/ha le 19.10.2022
 Karate Zeon 0.1 l/ha le 21.03.2023
 Ammate 0.17 l/ha le 23.03.2023
 Gazelle SG 0.15 kg/ha le 05.04.2023

Organisateur: Agroscope
Lieu d'essai: Gennersbrunn SH (8212) / Robert Gauss
Précédent cultural: Blé
Travail du sol: Cultivateur, herse rotative, rouleau après semis
Fumure organique: Lisier de porc 30 m³/ha le 19.08.2022
Fumure minérale de fond: Aucune
Fumure azotée: 131 N (55 N 17.02.23; 76 N 22.03.23)
Traitements herbicides: Brasan Trio 3.5 l/ha le 02.09.2022
 Targa Super 1.0 l/ha le 31.10.2022
Traitements insecticides: Karate Zeon 0.075 l/ha le 12.09.2022
 Decis Protech 0.39 l/ha le 31.10.2022
 Ammate 0.2 l/ha le 23.03.2023
 Gazelle SG 0.2 kg/ha le 23.03.2023

Organisateur: FRI
Lieu d'essai: Courtedoux JU (2905)
Précédent cultural: Orge
Travail du sol: Déchaumeur, herse rotative
Fumure organique: Fumier composté 25 m³/ha le 13.08.2022
Fumure azotée: 123 N (88 N 11.02.23; 35 N 09.03.23)
Traitements herbicides: Devrinol Top 3.0 l/ha le 25.08.2022
 Select 0.5 l/ha le 08.09.2022
Traitements molluscicides: 4 kg/ha le 14.09.2022
Traitements insecticides: Cyperméthrine 0.25 l/ha le 19.10.2022
 Blocker 0.2 l/ha le 25.02.2023

Données techniques des essais variétaux

Organisateur: Fenaco
Lieu d'essai: Hochfelden ZH (8182)
Précédent cultural:
Travail du sol:
Fumure organique:
Fumure azotée:
Traitements herbicides:
Traitements insecticides:
Traitements fongicides:

Organisateur: Fenaco
Lieu d'essai: Kölliken AG (5742)
Précédent cultural:
Travail du sol:
Fumure azotée: 160 N
Traitements herbicides: Devrinol Top 3.0 l/ha
Traitements insecticides: TAK 50 0.35 kg/ha
Select 0.5 l/ha
Gazelle 0.15 kg/ha
Traitements fongicides: Fezan 1.0 l/ha + Medax 1.2 l/ha
Escape 0.7 l/ha

Organisateur: Fenaco
Lieu d'essai: La Vounaise FR (1489)
Précédent cultural: Blé d'automne
Travail du sol: Semis sous litière après déchaumage
Fumure organique: Fumier 14.4 t/ha le 05.08.2022
Fumure minérale de fond: Aucune
Fumure azotée: 211 N (144 N le 08.02.23; 67 N le 17.03.23)
Traitements herbicides: Brasan Trio 3.0 l/ha le 26.08.2022
Fusilade Max 1.5 l/ha le 19.10.2022
Traitements insecticides: Cyperméthine 0.25 l/ha le 19.10.2022
Decis Protech 0.32 l/ha le 12.11.2022

Données techniques des essais variétaux

| <u>Variétés / Sorten / Varieties</u> | <u>Code</u> | <u>Type</u> | <u>Statut</u> | <u>Obtenteur/Züchter/Breeder</u> | |
|--------------------------------------|---------------|-------------|---------------|----------------------------------|-----------|
| 1 | DK EXLIBRIS | HR | ST | BAYER | |
| 2 | SY MATTEO | HR | ST | SYNGENTA | |
| 3 | PICASSO | HR | ST | NPZ | |
| 4 | V386OL | HOLL | T | DSV | |
| 5 | V316OL | HOLL | T | DSV | |
| 6 | ANGELICO | HR | T | LIMAGRAIN | |
| 7 | TEMPO | HR | T | NPZ | |
| 8 | KWS IVO | H9140744 | HR | T | KWS |
| 9 | HOSTINE | | HR | C | KWS |
| 10 | LG AVIRON | | HR | C | LIMAGRAIN |
| 11 | ZIDANE | LSF20256W11 | HR | C | NPZ |
| 12 | TURBO | NPZ19234W11 | HR | C | NPZ |
| 13 | RGT PIAZZOLA | BNH3094 | HOLL | C | RAGT |
| 14 | RGT KIZZCOOL | BNG2883 | HOLL | C | RAGT |
| 15 | HELYPSE | | HR | B | KWS |
| 16 | LG AUSTIN | | HR | B | LIMAGRAIN |
| 17 | NPZ21291W11 | | HR | B | NPZ |
| 18 | BLACKMOON | HRF19240 | HR | B | RAGT |
| 19 | HRG2912 | | HOLL | B | RAGT |
| 20 | CROMAT | RAP602 | HR | A | NPZ |
| 21 | RAP21292W11 | | HR | A | NPZ |
| 22 | LG AUCKLAND | | HR | A | LIMAGRAIN |
| 23 | MDS82 | | HOLL | A | DSV |
| 24 | HRG231 | | HR | A | RAGT |
| 25 | RNX213336 | | HR | A | SYNGENTA |
| 26 | RNX213331 | | HR | A | SYNGENTA |
| 27 | PT299 | | HR | A | PIONEER |
| 28 | DK EXCITED | DMH440 | HR | A | BAYER |
| 29 | KWS AMBOS | H9172100 | HR | A | KWS |
| 30 | KWS FELICIANO | | HR | A | KWS |

Lieu d'essai / Versuchsorte / Locations

Chs. Changins VD
Gou. Goumoens-la-Ville VD
Burt. Burtigny VD
Mou. Moudon VD
Rec. Reckenholz ZH
Gen. Gennersbrunn SH
Cou. Courtedoux JU
Hoch. Hochfelden ZH
Köll. Kölliken AG
Vou. La Vounaise FR

HR = hybride à fertilité restaurée

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 2 :

Rendement en grain trié, à 6 % d'eau, en dt/ha

Kornertrag, gereinigt, 6 % Wassergehalt, in dt/ha

Seedyield, cleaned, 6 % moisture content, in dt/ha

| Lieux d'essai | Chs.* | Gou.** | Burt. | Mou. | Rec.* | Gen. | Cou. | Hoch. | Köll. | Vou. | Moyennes Agroscope | Moyennes totales |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|------------------|
| DK EXLIBRIS | 32.7 | 36.7 | 41.4 | 41.7 | 24.1 | 37.2 | 35.6 | | 40.1 | 37.7 | 39.3 | 38.6 |
| SY MATTEO | 33.2 | 35.1 | 42.2 | 41.0 | 28.7 | 38.4 | 37.9 | 55.3 | 47.9 | 37.1 | 39.2 | 41.9 |
| PICASSO | 26.4 | 39.0 | 39.0 | 44.1 | 29.8 | 34.0 | 37.6 | 49.0 | 39.6 | 45.8 | 39.0 | 41.0 |
| V386OL | 20.0 | 28.1 | 36.7 | 38.1 | 16.4 | 34.4 | | | 34.6 | | 34.3 | 34.4 |
| V316OL | 26.1 | 29.4 | 38.1 | 35.9 | 19.4 | 25.8 | 33.9 | 44.8 | 39.3 | | 32.3 | 35.3 |
| ANGELICO | 22.0 | 33.9 | 39.4 | 38.6 | 28.2 | 31.7 | 33.2 | 55.2 | 39.8 | 42.4 | 35.9 | 39.3 |
| TEMPO | 29.4 | 35.6 | 45.3 | 42.8 | 27.9 | 31.0 | 36.3 | 45.6 | 44.0 | 46.5 | 38.7 | 40.9 |
| KWS IVO | 26.2 | 36.0 | 40.1 | 38.0 | 23.5 | 29.8 | | | | | 36.0 | |
| HOSTINE | 21.5 | 35.3 | 42.6 | 45.4 | 25.4 | 26.6 | | | | | 37.5 | |
| LG AVIRON | 39.8 | 39.6 | 43.4 | 42.8 | 23.7 | 34.3 | 41.8 | 51.3 | 43.2 | 53.2 | 40.0 | 43.7 |
| ZIDANE | 37.6 | 33.9 | 43.9 | 46.2 | 29.1 | 31.5 | 42.7 | 53.0 | 46.0 | 48.8 | 38.9 | 43.3 |
| TURBO | 27.2 | 44.9 | 43.4 | 48.3 | 26.5 | 29.4 | 41.1 | 49.3 | 40.8 | 49.0 | 41.5 | 43.3 |
| RGT PIAZZOLA | 20.7 | 31.0 | 33.9 | 35.8 | 27.1 | 31.4 | 34.3 | | | | 33.0 | 33.3 |
| RGT KIZZCOOL | 20.2 | 28.5 | 33.5 | 29.7 | 13.4 | 29.8 | | | | | 30.4 | |
| HELYPSE | 22.7 | 36.5 | 43.4 | 45.6 | 21.7 | 34.4 | | | | | 40.0 | |
| LG AUSTIN | 29.5 | 41.8 | 43.3 | 47.2 | 26.2 | 34.4 | | | 46.0 | | 41.7 | 42.5 |
| NPZ21291W11 | 15.0 | 41.9 | 46.0 | 48.0 | 16.9 | 31.0 | | | | | 41.7 | |
| BLACKMOON | 33.5 | 38.7 | 42.6 | 46.5 | 21.9 | 39.1 | | | | | 41.7 | |
| HRG2912 | 26.7 | 33.5 | 40.5 | 39.7 | 31.4 | 35.9 | | | | | 37.4 | |
| CROMAT | 23.4 | 37.7 | 39.9 | 38.8 | 25.3 | 31.2 | | | | | 36.9 | |
| RAP21292W11 | 39.9 | 41.4 | 41.8 | 45.4 | 27.5 | 36.8 | | | | | 41.3 | |
| LG AUCKLAND | 29.6 | 36.5 | 46.4 | 44.1 | 17.7 | 27.0 | | | | | 38.5 | |
| MDS82 | 31.8 | 37.3 | 43.7 | 45.9 | 20.7 | 29.2 | | | | | 39.0 | |
| HRG231 | 34.9 | 35.4 | 43.1 | 43.6 | 23.3 | 36.0 | | | | | 39.5 | |
| RNX213336 | 28.3 | 35.3 | 37.2 | 40.0 | 8.6 | 26.5 | | | | | 34.7 | |
| RNX213331 | 30.7 | 35.0 | 40.8 | 49.4 | 29.2 | 34.9 | | | | | 40.0 | |
| PT299 | 33.2 | 33.4 | 37.3 | 36.2 | 16.5 | 25.1 | | | | | 33.0 | |
| DK EXCITED | 36.2 | 35.8 | 36.8 | 38.1 | 33.1 | 34.1 | | | | | 36.2 | |
| KWS AMBOS | 34.7 | 37.4 | 39.6 | 48.9 | 25.4 | 37.3 | | | | | 40.8 | |
| KWS FELICIANO | 27.5 | 36.6 | 41.0 | 46.6 | 34.0 | 41.5 | | | | | 41.4 | |
| Moyenne d'essai | 28.7 | 36.0 | 40.9 | 42.4 | 24.1 | 32.7 | 37.4 | 50.4 | 42.0 | 45.1 | 38.0 | 39.8 |
| PPDS 0.05 | n.s. | 5.50 | 5.69 | 6.32 | 9.64 | n.s. | - | - | - | - | | |
| PPDS 0.01 | n.s. | 7.32 | 7.57 | 8.41 | 12.82 | n.s. | - | - | - | - | | |
| C.V. (%) | 32.67 | 9.34 | 8.52 | 9.12 | 24.48 | 13.50 | - | - | - | - | | |

* Non pris en compte dans la moyenne

** 7 parcelles très endommagées non prises en compte dans la moyenne

(1 RGT Kizzcool, 1 SY Matteo, 1 Picasso, 1 V316OL, 1 RGT Piazzola, 1 HRG2912, 1 RNX213331)

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 3 :

Rendement en grain trié, à 6 % d'eau, en valeur relatives, 100 = (DK Exlibris + SY Matteo + Picasso)/3
 Kornertrag, gereinigt, 6 % Wassergehalt, Relativwerte, 100 = (DK Exlibris + SY Matteo + Picasso)/3
 Seedyield, cleaned, 6 % moisture content, relative values, 100 = (DK Exlibris + SY Matteo + Picasso)/3

| Lieux d'essai | Chs.* | Gou.** | Burt. | Mou. | Rec.* | Gen. | Cou. | Hoch. | Köll. | Vou. | Moyennes Agroscope | Moyennes totales |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------|------------------|
| DK EXLIBRIS | 106.2 | 99.4 | 101.2 | 98.7 | 87.5 | 101.9 | 96.1 | | 94.3 | 93.8 | 100.3 | 97.9 |
| SY MATTEO | 107.9 | 95.1 | 103.4 | 96.9 | 104.3 | 105.2 | 102.4 | 106.0 | 112.6 | 92.2 | 100.1 | 101.7 |
| PICASSO | 85.9 | 105.5 | 95.4 | 104.4 | 108.2 | 93.0 | 101.5 | 94.0 | 93.1 | 114.0 | 99.6 | 100.1 |
| V386OL | 64.8 | 76.2 | 89.8 | 90.1 | 59.6 | 94.2 | | | 81.4 | | 87.6 | 86.3 |
| V316OL | 84.8 | 79.5 | 93.4 | 84.9 | 70.5 | 70.6 | 91.6 | 85.9 | 92.5 | | 82.1 | 85.5 |
| ANGELICO | 71.5 | 91.9 | 96.4 | 91.3 | 102.6 | 86.7 | 89.8 | 105.8 | 93.6 | 105.6 | 91.6 | 95.1 |
| TEMPO | 95.5 | 96.4 | 110.9 | 101.2 | 101.5 | 85.0 | 98.0 | 87.4 | 103.5 | 115.6 | 98.4 | 99.8 |
| KWS IVO | 85.2 | 97.3 | 98.1 | 90.0 | 85.4 | 81.5 | | | | | 91.7 | |
| HOSTINE | 69.8 | 95.5 | 104.4 | 107.3 | 92.3 | 72.8 | | | | | 95.0 | |
| LG AVIRON | 129.3 | 107.1 | 106.3 | 101.3 | 86.3 | 94.0 | 112.9 | 98.4 | 101.6 | 132.2 | 102.2 | 106.7 |
| ZIDANE | 122.3 | 91.9 | 107.6 | 109.3 | 105.9 | 86.3 | 115.4 | 101.6 | 108.1 | 121.5 | 98.8 | 105.2 |
| TURBO | 88.5 | 121.6 | 106.3 | 114.2 | 96.5 | 80.6 | 110.9 | 94.5 | 96.0 | 122.0 | 105.7 | 105.8 |
| RGT PIAZZOLA | 67.3 | 83.8 | 83.0 | 84.6 | 98.4 | 86.0 | 92.8 | | | | 84.4 | 86.0 |
| RGT KIZZCOOL | 65.6 | 77.2 | 82.1 | 70.3 | 48.7 | 81.7 | | | | | 77.8 | |
| HELYPSE | 73.6 | 98.8 | 106.3 | 107.9 | 79.0 | 94.2 | | | | | 101.8 | |
| LG AUSTIN | 95.8 | 113.0 | 105.9 | 111.6 | 95.4 | 94.3 | | | 108.0 | | 106.2 | 106.6 |
| NPZ21291W11 | 48.6 | 113.3 | 112.7 | 113.5 | 61.4 | 84.9 | | | | | 106.1 | |
| BLACKMOON | 108.9 | 104.7 | 104.4 | 109.9 | 79.7 | 107.0 | | | | | 106.5 | |
| HRG2912 | 86.6 | 90.6 | 99.3 | 93.9 | 114.1 | 98.3 | | | | | 95.5 | |
| CROMAT | 76.1 | 102.0 | 97.7 | 91.8 | 91.9 | 85.4 | | | | | 94.2 | |
| RAP21292W11 | 129.7 | 112.0 | 102.3 | 107.5 | 100.1 | 100.7 | | | | | 105.6 | |
| LG AUCLAND | 96.1 | 98.7 | 113.6 | 104.4 | 64.4 | 74.0 | | | | | 97.7 | |
| MDS82 | 103.2 | 100.9 | 107.1 | 108.6 | 75.3 | 79.9 | | | | | 99.1 | |
| HRG231 | 113.4 | 95.8 | 105.6 | 103.1 | 84.8 | 98.7 | | | | | 100.8 | |
| RNX213336 | 92.1 | 95.5 | 91.1 | 94.6 | 31.4 | 72.7 | | | | | 88.5 | |
| RNX213331 | 99.6 | 94.8 | 99.9 | 117.0 | 106.3 | 95.6 | | | | | 101.8 | |
| PT299 | 107.9 | 90.4 | 91.2 | 85.5 | 60.1 | 68.7 | | | | | 84.0 | |
| DK EXCITED | 117.5 | 96.8 | 90.0 | 90.1 | 120.3 | 93.5 | | | | | 92.6 | |
| KWS AMBOS | 112.6 | 101.2 | 96.9 | 115.8 | 92.2 | 102.2 | | | | | 104.0 | |
| KWS FELICIANO | 89.4 | 99.0 | 100.3 | 110.2 | 123.5 | 113.6 | | | | | 105.8 | |
| Moyenne d'essai | 93.2 | 97.5 | 100.1 | 100.3 | 87.6 | 89.4 | 101.1 | 96.7 | 98.6 | 112.1 | 96.8 | 98.1 |

* Non pris en compte dans la moyenne

** 7 parcelles très endommagées non prises en compte dans la moyenne

(1 RGT Kizzcool, 1 SY Matteo, 1 Picasso, 1 V316OL, 1 RGT Piazzola, 1 HRG2912, 1 RNX213331)

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 4 :

Note de végétation en automne

Bonitur der Vegetations-Entwicklung im Herbst

Evaluation of autumn plant development

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Moyennes |
|------------------------|------------|------------|------------|------------|------------|------------|------------|
| Date | 07.11.22 | 07.11.22 | 07.11.22 | 07.11.22 | 01.12.22 | 01.12.22 | |
| Stade BBCH | 21 | 19 | 20 | 20 | | | |
| DK EXLIBRIS | 3.0 | 1.3 | 1.0 | 1.0 | 1.0 | 3.0 | 1.7 |
| SY MATTEO | 2.3 | 1.7 | 1.0 | 2.3 | 1.0 | 1.3 | 1.6 |
| PICASSO | 2.7 | 1.3 | 1.0 | 1.3 | 1.0 | 3.7 | 1.8 |
| V386OL | 3.7 | 1.7 | 1.0 | 1.7 | 1.0 | 3.0 | 2.0 |
| V316OL | 3.3 | 1.7 | 1.0 | 2.7 | 1.0 | 4.5 | 2.4 |
| ANGELICO | 2.3 | 1.0 | 1.0 | 2.7 | 1.0 | 5.3 | 2.2 |
| TEMPO | 2.7 | 1.3 | 1.0 | 2.3 | 1.0 | 3.0 | 1.9 |
| KWS IVO | 3.7 | 1.3 | 1.3 | 1.7 | 1.0 | 4.5 | 2.3 |
| HOSTINE | 3.0 | 1.3 | 1.0 | 1.7 | 1.0 | 2.0 | 1.7 |
| LG AVIRON | 2.0 | 1.0 | 1.0 | 1.7 | 1.0 | 3.0 | 1.6 |
| ZIDANE | 2.0 | 1.3 | 1.0 | 1.7 | 1.0 | 3.0 | 1.7 |
| TURBO | 2.3 | 1.0 | 1.3 | 1.7 | 1.0 | 4.3 | 1.9 |
| RGT PIAZZOLA | 2.7 | 1.3 | 1.0 | 2.7 | 1.0 | 4.3 | 2.2 |
| RGT KIZZCOOL | 2.7 | 2.0 | 1.7 | 2.7 | 1.0 | 4.0 | 2.3 |
| HELYPSE | 3.0 | 1.3 | 1.0 | 1.3 | 1.0 | 3.0 | 1.8 |
| LG AUSTIN | 3.0 | 1.0 | 1.0 | 1.7 | 1.0 | 1.5 | 1.5 |
| NPZ21291W11 | 3.7 | 1.0 | 1.0 | 2.0 | 1.0 | 3.0 | 2.0 |
| BLACKMOON | 2.7 | 1.0 | 1.3 | 2.3 | 1.0 | 3.7 | 2.0 |
| HRG2912 | 2.7 | 1.3 | 1.0 | 2.0 | 1.0 | 3.7 | 2.0 |
| CROMAT | 2.7 | 1.0 | 1.3 | 2.3 | 1.0 | 3.7 | 2.0 |
| RAP21292W11 | 2.0 | 1.3 | 1.0 | 1.7 | 1.0 | 3.3 | 1.7 |
| LG AUCKLAND | 2.3 | 1.0 | 1.0 | 1.3 | 1.0 | 3.7 | 1.7 |
| MDS82 | 2.3 | 1.3 | 1.3 | 1.7 | 1.0 | 4.0 | 1.9 |
| HRG231 | 2.3 | 1.0 | 1.0 | 2.3 | 1.0 | 2.7 | 1.7 |
| RNX213336 | 2.7 | 1.3 | 1.0 | 1.3 | 1.0 | 2.0 | 1.6 |
| RNX213331 | 3.0 | 1.7 | 1.0 | 1.7 | 1.0 | 3.3 | 1.9 |
| PT299 | 2.7 | 1.7 | 1.0 | 2.0 | 1.0 | 3.0 | 1.9 |
| DK EXCITED | 2.0 | 1.0 | 1.0 | 1.7 | 1.0 | 1.5 | 1.4 |
| KWS AMBOS | 2.3 | 1.0 | 1.3 | 1.7 | 1.0 | 2.3 | 1.6 |
| KWS FELICIANO | 3.0 | 1.3 | 1.3 | 1.3 | 1.0 | 2.7 | 1.8 |
| Moyenne d'essai | 2.7 | 1.3 | 1.1 | 1.9 | 1.0 | 3.2 | 1.9 |

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 5 :

Note de végétation au printemps

Bonitur der Vegetations-Entwicklung im Frühjahr

Evaluation of spring plant development

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Moyennes |
|------------------------|------------|------------|------------|------------|------------|------------|------------|
| Date | 06.03.23 | 06.03.23 | 06.03.23 | 06.03.23 | 24.02.23 | 24.02.23 | |
| Stade BBCH | 51 | 33 | 34 | 33 | | | |
| DK EXLIBRIS | 4.7 | 3.3 | 2.3 | 3.0 | 1.7 | 2.0 | 2.8 |
| SY MATTEO | 5.0 | 5.0 | 3.0 | 3.7 | 1.0 | 2.7 | 3.4 |
| PICASSO | 4.7 | 3.7 | 3.0 | 2.3 | 1.0 | 2.0 | 2.8 |
| V386OL | 5.7 | 3.7 | 2.3 | 3.0 | 2.0 | 2.5 | 3.2 |
| V316OL | 5.7 | 4.3 | 2.3 | 3.3 | 2.0 | 2.5 | 3.4 |
| ANGELICO | 5.7 | 3.7 | 2.3 | 2.7 | 1.0 | 2.0 | 2.9 |
| TEMPO | 5.3 | 3.7 | 2.3 | 3.0 | 1.3 | 2.5 | 3.0 |
| KWS IVO | 5.3 | 4.0 | 2.7 | 3.3 | 1.7 | 2.0 | 3.2 |
| HOSTINE | 5.7 | 3.7 | 2.3 | 2.7 | 1.0 | 2.0 | 2.9 |
| LG AVIRON | 4.0 | 3.3 | 2.3 | 2.7 | 1.0 | 2.0 | 2.6 |
| ZIDANE | 4.0 | 4.0 | 2.0 | 2.3 | 1.0 | 2.0 | 2.6 |
| TURBO | 5.7 | 3.3 | 3.0 | 2.7 | 1.3 | 2.0 | 3.0 |
| RGT PIAZZOLA | 5.7 | 4.3 | 3.3 | 3.7 | 1.0 | 2.0 | 3.3 |
| RGT KIZZCOOL | 5.7 | 4.0 | 3.3 | 3.7 | 1.0 | 2.0 | 3.3 |
| HELYPSE | 5.0 | 3.3 | 1.7 | 2.3 | 1.0 | 2.0 | 2.6 |
| LG AUSTIN | 5.3 | 2.7 | 2.0 | 2.3 | 1.0 | 2.0 | 2.6 |
| NPZ21291W11 | 6.7 | 3.3 | 2.0 | 2.3 | 1.0 | 2.3 | 3.0 |
| BLACKMOON | 3.7 | 3.3 | 3.0 | 2.7 | 1.0 | 2.0 | 2.6 |
| HRG2912 | 5.3 | 4.3 | 2.0 | 3.0 | 2.0 | 2.7 | 3.2 |
| CROMAT | 5.3 | 3.3 | 2.0 | 3.3 | 1.0 | 2.3 | 2.9 |
| RAP21292W11 | 4.0 | 3.3 | 2.0 | 2.7 | 1.0 | 2.0 | 2.5 |
| LG AUCKLAND | 5.7 | 3.3 | 2.3 | 2.7 | 1.7 | 2.7 | 3.1 |
| MDS82 | 4.7 | 3.7 | 2.3 | 2.7 | 1.3 | 2.5 | 2.9 |
| HRG231 | 4.0 | 3.0 | 2.7 | 3.0 | 1.0 | 2.3 | 2.7 |
| RNX213336 | 5.0 | 3.7 | 2.7 | 3.0 | 1.0 | 2.0 | 2.9 |
| RNX213331 | 5.3 | 4.7 | 2.0 | 2.3 | 1.0 | 2.0 | 2.9 |
| PT299 | 4.7 | 3.7 | 2.3 | 2.3 | 1.0 | 2.0 | 2.7 |
| DK EXCITED | 4.3 | 3.0 | 2.3 | 2.7 | 1.0 | 2.0 | 2.6 |
| KWS AMBOS | 4.7 | 3.3 | 3.3 | 2.3 | 1.0 | 2.3 | 2.8 |
| KWS FELICIANO | 5.0 | 3.7 | 2.3 | 2.7 | 1.0 | 2.0 | 2.8 |
| Moyenne d'essai | 5.1 | 3.7 | 2.5 | 2.8 | 1.2 | 2.2 | 2.9 |

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 6 :

Début floraison (différence en jours par rapport à (DK Exlibris + SY Matteo + Picasso)/3)

Blühbeginn (Unterschied in Tagen im Vergleich zu (DK Exlibris + SY Matteo + Picasso)/3)

Beginning of flowering (difference in days compared to (DK Exlibris + SY Matteo + Picasso)/3)

| Lieux d'essai Dates | Chs. 1) | Gou. 2) | Burt. 3) | Mou. 4) | Rec. 5) | Gen. 6) | Moyennes |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DK EXLIBRIS | -2.2 | -2.8 | -2.7 | -2.2 | -0.1 | -4.7 | -2.4 |
| SY MATTEO | 3.8 | 5.9 | 5.3 | 3.1 | 1.6 | 6.7 | 4.4 |
| PICASSO | -1.6 | -3.1 | -2.7 | -0.9 | -1.4 | -2.0 | -2.0 |
| V386OL | -5.6 | -8.4 | -7.7 | -5.2 | -0.1 | -6.5 | -5.6 |
| V316OL | 1.1 | 2.6 | 1.3 | 2.8 | 2.6 | 6.0 | 2.7 |
| ANGELICO | 2.4 | 0.2 | -0.7 | 3.4 | 0.6 | 5.7 | 1.9 |
| TEMPO | 3.8 | 5.6 | 5.0 | 3.4 | 3.2 | 6.5 | 4.6 |
| KWS IVO | -3.6 | -6.1 | -6.0 | -3.2 | 0.2 | 3.0 | -2.6 |
| HOSTINE | -4.2 | -5.1 | -4.7 | -2.2 | -3.4 | 1.0 | -3.1 |
| LG AVIRON | 0.1 | 1.2 | -0.3 | -0.2 | 2.2 | 0.5 | 0.6 |
| ZIDANE | 1.8 | 3.6 | 4.7 | 0.8 | 4.2 | 5.5 | 3.4 |
| TURBO | -0.2 | 0.6 | 3.7 | 1.4 | 1.2 | 6.0 | 2.1 |
| RGT PIAZZOLA | 0.4 | 3.2 | 3.7 | 3.1 | 2.9 | 6.7 | 3.3 |
| RGT KIZZCOOL | 0.8 | 2.9 | 4.0 | 2.1 | 4.6 | 5.0 | 3.2 |
| HELYPSE | 5.1 | 5.2 | 6.0 | 5.4 | 4.2 | 7.0 | 5.5 |
| LG AUSTIN | 0.4 | -0.4 | -1.0 | 1.1 | 2.6 | 5.5 | 1.4 |
| NPZ21291W11 | 2.1 | -1.4 | -1.3 | 0.1 | 4.2 | -1.0 | 0.4 |
| BLACKMOON | 1.4 | 2.2 | 4.3 | 3.4 | 3.6 | 6.3 | 3.5 |
| HRG2912 | -0.9 | -1.4 | -1.3 | -0.9 | -3.1 | -4.7 | -2.1 |
| CROMAT | -5.2 | -6.8 | -6.7 | -4.9 | -5.4 | -4.3 | -5.6 |
| RAP21292W11 | -6.6 | -9.1 | -6.7 | -4.9 | -4.4 | -8.3 | -6.7 |
| LG AUCKLAND | 0.1 | 0.6 | -2.3 | -0.2 | -0.1 | 4.3 | 0.4 |
| MDS82 | 0.8 | 1.6 | 1.3 | 0.4 | 1.2 | 6.0 | 1.9 |
| HRG231 | 2.1 | 3.9 | 4.0 | 2.4 | 3.9 | 4.7 | 3.5 |
| RNX213336 | 1.8 | 0.2 | 2.0 | 3.8 | 4.2 | 5.0 | 2.8 |
| RNX213331 | -0.9 | 0.9 | 2.7 | 0.8 | -1.8 | 4.0 | 0.9 |
| PT299 | -4.6 | -5.1 | -3.0 | -2.2 | -0.8 | -5.0 | -3.5 |
| DK EXCITED | 0.8 | -0.8 | 0.3 | 1.8 | -2.4 | -3.5 | -0.6 |
| KWS AMBOS | -0.2 | -0.8 | 0.0 | -1.6 | 1.2 | 1.0 | -0.1 |
| KWS FELICIANO | -0.9 | -1.1 | -2.0 | -0.6 | -1.8 | 5.0 | -0.2 |
| Moyenne d'essai | -0.3 | -0.4 | -0.0 | 0.3 | 0.8 | 2.0 | 0.4 |

1) 0 = 09.04.2023

2) 0 = 15.04.2023

3) 0 = 15.04.2023

4) 0 = 13.04.2023

5) 0 = 21.04.2023

6) 0 = 25.04.2023

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 7 :

Humidité du grain à la récolte: différences de % d'humidité par rapport à (DK Exlibris + SY Matteo + Picasso)/3
 Wassergehalt des Korns am Erntetag: Unterschiede in Wasser % im Vergleich zu (DK Exlibris + SY Matteo + Picasso)/3
 Moisture content of seed at harvest: differences in % of water compared to (DK Exlibris + SY Matteo + Picasso)/3

| Lieux d'essai Humidité du grain (moyenne des STD) | Chs.* 8.0% | Gou.** 10.7% | Burt. 8.3% | Mou. 7.8% | Rec.* 6.5% | Gen. 6.7% | Cou. 5.8% | Hoch. 6.6% | Köll. 10.7% | Vou. 5.0% | Moyennes Agroscope 8.0% | Moyennes totales 7.6% |
|---|---------------|-----------------|---------------|--------------|---------------|--------------|--------------|---------------|----------------|--------------|-------------------------------|-----------------------------|
| DK EXLIBRIS | -0.4 | -0.1 | -0.1 | -0.1 | +0.3 | -0.5 | -0.5 | | +0.3 | +0.1 | -0.2 | -0.1 |
| SY MATTEO | -0.2 | +0.0 | -0.1 | -0.1 | -0.2 | -0.3 | +0.2 | -0.4 | -0.2 | -0.2 | -0.1 | -0.1 |
| PICASSO | +0.5 | +0.0 | +0.2 | +0.2 | -0.0 | +0.8 | +0.3 | +0.4 | -0.1 | +0.1 | +0.3 | +0.2 |
| V386OL | +0.6 | +4.3 | +0.1 | -0.0 | +1.2 | -2.3 | | | +0.2 | | +0.5 | +0.6 |
| V316OL | -0.1 | -0.5 | +0.7 | +0.1 | +1.3 | -1.5 | +0.8 | -0.4 | -0.6 | | -0.3 | -0.0 |
| ANGELICO | +1.0 | +1.0 | -0.1 | +0.2 | -0.1 | +1.1 | +1.8 | -0.1 | -0.3 | -0.2 | +0.5 | +0.4 |
| TEMPO | +0.6 | +1.5 | +0.3 | +0.4 | +0.1 | -2.3 | +1.8 | -0.8 | +0.6 | -0.1 | -0.0 | +0.2 |
| KWS IVO | 0.0 | +0.3 | +0.0 | +0.3 | +1.4 | -1.6 | | | | | -0.3 | |
| HOSTINE | +1.4 | +1.2 | +0.0 | -0.1 | +0.3 | -2.3 | | | | | -0.3 | |
| LG AVIRON | -0.4 | +1.3 | -0.1 | -0.3 | -0.5 | -2.5 | +0.7 | -0.3 | 0.0 | -0.4 | -0.4 | -0.3 |
| ZIDANE | +0.6 | +5.1 | +0.5 | +0.3 | +0.5 | -2.3 | +0.4 | +0.2 | -1.1 | -0.3 | +0.9 | +0.4 |
| TURBO | +0.2 | +0.5 | +0.2 | +0.2 | +1.6 | +0.3 | +0.1 | -0.1 | +0.4 | -0.4 | +0.3 | +0.3 |
| RGT PIAZZOLA | +0.2 | -0.8 | -0.0 | -0.2 | -0.3 | +0.4 | +0.6 | | | | -0.2 | -0.0 |
| RGT KIZZCOOL | +1.2 | +2.4 | +0.1 | +0.1 | +0.4 | +2.0 | | | | | +1.1 | |
| HELYPSE | +1.6 | +2.4 | +0.3 | +0.1 | +3.2 | +1.0 | | | | | +1.0 | |
| LG AUSTIN | +2.1 | +1.0 | +0.1 | -0.0 | +0.6 | -2.5 | | | +0.1 | | -0.4 | +0.2 |
| NPZ21291W11 | +1.9 | +2.0 | +0.9 | +0.3 | +2.3 | -0.0 | | | | | +0.8 | |
| BLACKMOON | +0.2 | +2.3 | +0.3 | +0.5 | +1.3 | +0.9 | | | | | +1.0 | |
| HRG2912 | -0.7 | -0.9 | -0.5 | -0.2 | -0.5 | +0.2 | | | | | -0.3 | |
| CROMAT | +1.0 | +0.1 | +0.5 | +0.2 | -0.6 | -0.3 | | | | | +0.2 | |
| RAP21292W11 | -0.3 | +1.9 | +0.9 | +0.5 | +0.3 | -0.3 | | | | | +0.7 | |
| LG AUCKLAND | +0.8 | +2.1 | -0.1 | -0.1 | +2.9 | -0.5 | | | | | +0.4 | |
| MDS82 | +0.1 | +0.2 | +0.1 | -0.1 | +2.1 | -2.2 | | | | | -0.5 | |
| HRG231 | +0.4 | +0.6 | +0.6 | +0.1 | +0.6 | -0.1 | | | | | +0.3 | |
| RNX213336 | +0.1 | +0.1 | -0.1 | -0.0 | +4.3 | -2.1 | | | | | -0.5 | |
| RNX213331 | -0.1 | +1.4 | +0.2 | +0.1 | -0.3 | +0.5 | | | | | +0.6 | |
| PT299 | -0.5 | +0.5 | +0.8 | -0.2 | +0.6 | -1.3 | | | | | -0.0 | |
| DK EXCITED | +0.1 | +0.4 | +0.2 | +0.1 | -0.4 | -2.1 | | | | | -0.3 | |
| KWS AMBOS | -0.2 | -0.1 | +0.2 | -0.5 | +1.3 | -0.5 | | | | | -0.2 | |
| KWS FELICIANO | +0.7 | +2.7 | +0.3 | +0.2 | -0.0 | -0.4 | | | | | +0.7 | |
| Moyenne d'essai | +0.4 | +1.1 | +0.2 | +0.1 | +0.8 | -0.7 | +0.6 | -0.2 | -0.1 | -0.2 | +0.2 | +0.1 |

* Non pris en compte dans la moyenne

** 7 parcelles très endommagées non prises en compte dans la moyenne

(1 RGT Kizzcool, 1 SY Matteo, 1 Picasso, 1 V316OL, 1 RGT Piazzola, 1 HRG2912, 1 RNX213331)

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 8 :

Hauteur des plantes en cm, (stade fin floraison)

Pflanzenlänge in cm (Stadium "Ende der Blüte")

Plant height in cm (stage "end of flowering")

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Moyennes |
|------------------------|------------|------------|------------|------------|------------|------------|------------|
| Dates | 01.06.23 | 31.05.23 | 31.05.23 | 31.05.23 | 23.05.23 | 23.05.23 | |
| DK EXLIBRIS | 145 | 153 | 145 | 167 | 153 | 190 | 159 |
| SY MATTEO | 158 | 143 | 148 | 170 | 177 | 197 | 166 |
| PICASSO | 155 | 143 | 155 | 177 | 170 | 190 | 165 |
| V386OL | 142 | 142 | 145 | 170 | 157 | 190 | 158 |
| V316OL | 157 | 152 | 157 | 177 | 160 | 180 | 164 |
| ANGELICO | 147 | 157 | 155 | 173 | 160 | 180 | 162 |
| TEMPO | 160 | 163 | 165 | 180 | 163 | 185 | 169 |
| KWS IVO | 143 | 148 | 155 | 175 | 153 | 193 | 161 |
| HOSTINE | 138 | 157 | 160 | 187 | 163 | 200 | 167 |
| LG AVIRON | 160 | 155 | 147 | 165 | 153 | 183 | 160 |
| ZIDANE | 167 | 163 | 167 | 185 | 175 | 185 | 174 |
| TURBO | 142 | 163 | 162 | 185 | 153 | 183 | 165 |
| RGT PIAZZOLA | 137 | 153 | 155 | 177 | 177 | 193 | 165 |
| RGT KIZZCOOL | 147 | 158 | 155 | 173 | 177 | 200 | 168 |
| HELYPSE | 167 | 160 | 160 | 190 | 160 | 187 | 171 |
| LG AUSTIN | 150 | 162 | 145 | 175 | 167 | 190 | 165 |
| NPZ21291W11 | 123 | 157 | 165 | 178 | 167 | 183 | 162 |
| BLACKMOON | 175 | 158 | 153 | 187 | 162 | 197 | 172 |
| HRG2912 | 142 | 130 | 138 | 162 | 160 | 178 | 152 |
| CROMAT | 140 | 148 | 147 | 157 | 147 | 177 | 153 |
| RAP21292W11 | 160 | 147 | 153 | 180 | 160 | 183 | 164 |
| LG AUCKLAND | 152 | 155 | 147 | 172 | 153 | 175 | 159 |
| MDS82 | 152 | 152 | 153 | 173 | 153 | 173 | 159 |
| HRG231 | 168 | 158 | 155 | 183 | 170 | 190 | 171 |
| RNX213336 | 173 | 157 | 152 | 178 | 170 | 210 | 173 |
| RNX213331 | 145 | 135 | 158 | 187 | 170 | 180 | 163 |
| PT299 | 150 | 138 | 148 | 168 | 155 | 190 | 158 |
| DK EXCITED | 168 | 152 | 145 | 170 | 167 | 185 | 164 |
| KWS AMBOS | 158 | 152 | 152 | 180 | 173 | 200 | 169 |
| KWS FELICIANO | 167 | 167 | 167 | 193 | 180 | 200 | 179 |
| Moyenne d'essai | 153 | 153 | 154 | 176 | 164 | 188 | 165 |

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 9 :

Note de verse (1 = pas de verse; 9 = verse totale)

Bonitur der Standfestigkeit (1 = standfest; 9 = totale Lagerung)

Evaluation of lodging (1 = no lodging; 9 = fully lodged)

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Hoch. | Vou. | Moyennes Agroscope | Moyennes totales |
|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------|------------------|
| DK EXLIBRIS | 1.0 | 1.7 | 6.3 | 7.0 | 1.0 | 1.0 | | 1.0 | 3.0 | 2.7 |
| SY MATTEO | 1.7 | 1.0 | 4.7 | 4.3 | 1.0 | 1.0 | 4.0 | 3.0 | 2.3 | 2.6 |
| PICASSO | 1.0 | 1.0 | 2.7 | 2.0 | 1.0 | 1.0 | 2.0 | 1.0 | 1.4 | 1.5 |
| V386OL | 1.0 | 1.0 | 5.3 | 5.0 | 1.0 | 1.0 | | | 2.4 | |
| V316OL | 1.7 | 1.0 | 3.7 | 3.0 | 1.0 | 1.0 | 2.0 | | 1.9 | 1.9 |
| ANGELICO | 1.0 | 1.0 | 6.0 | 5.3 | 1.0 | 1.0 | 2.0 | 4.0 | 2.6 | 2.7 |
| TEMPO | 1.0 | 1.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 2.0 | 1.5 | 1.5 |
| KWS IVO | 1.0 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | | | 1.1 | |
| HOSTINE | 1.0 | 1.0 | 2.7 | 1.3 | 1.0 | 1.0 | | | 1.3 | |
| LG AVIRON | 1.0 | 1.0 | 6.7 | 6.3 | 1.0 | 1.0 | 5.0 | 5.0 | 2.8 | 3.4 |
| ZIDANE | 1.0 | 1.0 | 1.7 | 1.3 | 1.0 | 1.0 | 2.0 | 2.0 | 1.2 | 1.4 |
| TURBO | 1.0 | 1.0 | 2.0 | 2.3 | 1.0 | 1.0 | 1.0 | 2.0 | 1.4 | 1.4 |
| RGT PIAZZOLA | 1.7 | 1.0 | 4.3 | 5.7 | 1.0 | 1.0 | | | 2.5 | |
| RGT KIZZCOOL | 2.3 | 1.0 | 5.0 | 4.0 | 1.0 | 1.0 | | | 2.4 | |
| HELYPSE | 1.0 | 1.0 | 5.0 | 4.7 | 1.0 | 1.0 | | | 2.3 | |
| LG AUSTIN | 1.7 | 1.0 | 6.0 | 5.7 | 1.0 | 1.0 | | | 2.7 | |
| NPZ21291W11 | 1.0 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | | | 1.1 | |
| BLACKMOON | 1.0 | 1.0 | 2.3 | 3.3 | 1.0 | 1.0 | | | 1.6 | |
| HRG2912 | 3.0 | 1.0 | 5.3 | 7.7 | 1.0 | 1.0 | | | 3.2 | |
| CROMAT | 1.0 | 1.0 | 3.0 | 3.7 | 1.0 | 1.0 | | | 1.8 | |
| RAP21292W11 | 1.0 | 1.0 | 2.0 | 1.7 | 1.0 | 1.0 | | | 1.3 | |
| LG AUCKLAND | 1.0 | 2.3 | 7.7 | 8.0 | 1.0 | 1.0 | | | 3.5 | |
| MDS82 | 1.0 | 1.0 | 3.3 | 2.7 | 1.0 | 1.0 | | | 1.7 | |
| HRG231 | 1.0 | 1.0 | 1.7 | 4.0 | 1.0 | 1.0 | | | 1.6 | |
| RNX213336 | 2.3 | 1.0 | 5.0 | 7.3 | 1.0 | 1.0 | | | 2.9 | |
| RNX213331 | 1.7 | 1.0 | 4.3 | 5.0 | 1.0 | 1.0 | | | 2.3 | |
| PT299 | 1.7 | 1.0 | 4.7 | 6.7 | 1.0 | 1.0 | | | 2.7 | |
| DK EXCITED | 1.7 | 1.0 | 6.0 | 8.3 | 1.0 | 1.0 | | | 3.2 | |
| KWS AMBOS | 1.0 | 1.0 | 3.7 | 3.7 | 1.0 | 1.0 | | | 1.9 | |
| KWS FELICIANO | 1.0 | 1.0 | 2.7 | 1.0 | 1.0 | 1.0 | | | 1.3 | |
| Moyenne d'essai | 1.3 | 1.1 | 4.0 | 4.2 | 1.0 | 1.0 | 2.4 | 2.5 | 2.1 | 2.1 |

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 10 :

Phoma en pourcentage de plantes infectées

Phoma infizierte Pflanzen in Prozent

Phoma stem canker as a percentage of infected plants

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Moyennes |
|------------------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|
| Dates | 20.06.23 | 19.06.23 | 20.06.23 | 19.06.23 | 27.06.23 | 29.06.23 | |
| DK EXLIBRIS | 30.2 | 17.8 | 25.7 | 9.1 | 23.4 | 23.6 | 21.6 |
| SY MATTEO | 30.5 | 6.1 | 21.6 | 2.8 | 30.0 | 8.9 | 16.7 |
| PICASSO | 24.5 | 14.7 | 18.4 | 4.3 | 28.9 | 9.2 | 16.7 |
| V386OL | 21.3 | 4.4 | 34.5 | 9.5 | 10.6 | 10.9 | 15.2 |
| V316OL | 28.0 | 28.0 | 13.0 | 9.3 | 21.8 | 7.1 | 17.9 |
| ANGELICO | 38.3 | 19.2 | 15.2 | 5.9 | 31.0 | 2.1 | 18.6 |
| TEMPO | 13.8 | 7.2 | 25.9 | 3.3 | 20.7 | 8.7 | 13.3 |
| KWS IVO | 10.3 | 8.1 | 19.7 | 2.7 | 11.0 | 8.3 | 10.0 |
| HOSTINE | 11.7 | 16.2 | 27.3 | 8.1 | 49.7 | 22.3 | 22.5 |
| LG AVIRON | 15.4 | 2.8 | 12.9 | 2.9 | 24.2 | 11.8 | 11.7 |
| ZIDANE | 2.1 | 4.2 | 12.6 | 1.3 | 25.1 | 15.4 | 10.1 |
| TURBO | 19.2 | 16.0 | 13.4 | 2.8 | 19.2 | 6.7 | 12.9 |
| RGT PIAZZOLA | 24.0 | 21.0 | 23.9 | 19.0 | 36.4 | 25.6 | 25.0 |
| RGT KIZZCOOL | 39.7 | 15.6 | 39.0 | 12.2 | 24.7 | 2.0 | 22.2 |
| HELYPSE | 12.1 | 10.7 | 18.1 | 4.9 | 19.8 | 5.6 | 11.9 |
| LG AUSTIN | 16.7 | 14.6 | 20.6 | 4.2 | 20.4 | 16.5 | 15.5 |
| NPZ21291W11 | 3.8 | 6.1 | 15.0 | 2.3 | 6.1 | 6.3 | 6.6 |
| BLACKMOON | 10.9 | 7.8 | 13.5 | 20.1 | 7.5 | 11.9 | 12.0 |
| HRG2912 | 45.5 | 15.7 | 25.5 | 2.8 | 41.2 | 18.2 | 24.8 |
| CROMAT | 26.2 | 14.4 | 27.1 | 13.8 | 33.0 | 12.0 | 21.1 |
| RAP21292W11 | 21.5 | 5.5 | 10.0 | 1.1 | 11.8 | 2.4 | 8.7 |
| LG AUCKLAND | 16.7 | 9.7 | 15.6 | 12.1 | 9.0 | 24.8 | 14.7 |
| MDS82 | 15.0 | 7.0 | 15.1 | 1.5 | 9.0 | 16.8 | 10.7 |
| HRG231 | 5.1 | 11.0 | 21.2 | 7.0 | 11.5 | 12.8 | 11.4 |
| RNX213336 | 38.5 | 12.5 | 32.3 | 18.6 | 27.2 | 7.5 | 22.8 |
| RNX213331 | 14.5 | 12.8 | 29.0 | 14.6 | 37.2 | 24.4 | 22.1 |
| PT299 | 24.6 | 12.7 | 18.5 | 8.3 | 14.1 | 8.3 | 14.4 |
| DK EXCITED | 20.8 | 16.5 | 10.9 | 6.8 | 32.8 | 3.1 | 15.1 |
| KWS AMBOS | 26.9 | 11.8 | 16.2 | 2.3 | 33.8 | 20.8 | 18.6 |
| KWS FELICIANO | 8.3 | 6.7 | 15.1 | 0.9 | 25.4 | 14.6 | 11.8 |
| Moyenne d'essai | 20.5 | 11.9 | 20.2 | 7.2 | 23.2 | 12.3 | 15.9 |

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 11 :

Sclérotiniose en pourcentage de plantes infectées

Sklerotinia infizierte Pflanzen in Prozent

Sclerotinia stem rot as a percentage of infected plants

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Moyennes |
|------------------------|------------|------------|------------|------------|------------|------------|------------|
| Dates | 20.06.23 | 19.06.23 | 20.06.23 | 19.06.23 | 27.06.23 | 29.06.23 | |
| DK EXLIBRIS | 0.0 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 |
| SY MATTEO | 0.0 | 6.9 | 2.8 | 0.0 | 0.0 | 0.0 | 1.6 |
| PICASSO | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| V386OL | 0.0 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| V316OL | 0.0 | 1.5 | 1.3 | 1.9 | 0.0 | 0.0 | 0.8 |
| ANGELICO | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| TEMPO | 0.0 | 9.7 | 0.0 | 1.3 | 0.0 | 0.0 | 1.8 |
| KWS IVO | 0.0 | 9.4 | 0.0 | 1.3 | 0.0 | 0.0 | 1.8 |
| HOSTINE | 0.0 | 2.9 | 0.0 | 1.3 | 0.0 | 0.0 | 0.7 |
| LG AVIRON | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| ZIDANE | 0.0 | 18.0 | 2.3 | 1.4 | 0.0 | 0.0 | 3.6 |
| TURBO | 0.0 | 11.0 | 0.0 | 2.7 | 0.0 | 0.0 | 2.3 |
| RGT PIAZZOLA | 0.0 | 15.6 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 |
| RGT KIZZCOOL | 0.0 | 7.9 | 0.0 | 4.0 | 0.0 | 0.0 | 2.0 |
| HELYPSE | 0.0 | 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| LG AUSTIN | 0.0 | 10.5 | 0.0 | 1.0 | 0.0 | 0.0 | 1.9 |
| NPZ21291W11 | 0.0 | 19.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 |
| BLACKMOON | 0.0 | 15.6 | 0.0 | 2.0 | 0.0 | 0.0 | 2.9 |
| HRG2912 | 0.0 | 4.6 | 0.0 | 2.6 | 0.0 | 0.0 | 1.2 |
| CROMAT | 0.0 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| RAP21292W11 | 0.0 | 13.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 |
| LG AUCKLAND | 1.7 | 12.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| MDS82 | 1.9 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| HRG231 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| RNX213336 | 0.0 | 4.1 | 5.3 | 1.5 | 0.0 | 0.0 | 1.8 |
| RNX213331 | 0.0 | 3.3 | 0.0 | 1.3 | 0.0 | 0.0 | 0.8 |
| PT299 | 0.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| DK EXCITED | 0.0 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| KWS AMBOS | 0.0 | 9.4 | 1.2 | 2.3 | 0.0 | 0.0 | 2.2 |
| KWS FELICIANO | 0.0 | 13.4 | 0.0 | 1.8 | 0.0 | 0.0 | 2.5 |
| Moyenne d'essai | 0.1 | 8.5 | 0.4 | 0.9 | 0.0 | 0.0 | 1.7 |

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 12 :

Poids de mille grains en grammes

Tausendkorngewicht in g

Weight of 1000 seeds in g

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Moyennes |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DK EXLIBRIS | 4.34 | 3.84 | 3.52 | 4.00 | 4.72 | 4.44 | 4.14 |
| SY MATTEO | 4.18 | 4.00 | 3.60 | 4.06 | 4.80 | 5.06 | 4.28 |
| PICASSO | 4.36 | 3.68 | 3.56 | 4.12 | 4.43 | 4.58 | 4.12 |
| V386OL | 4.68 | 4.48 | 3.86 | 4.26 | 5.34 | 5.19 | 4.64 |
| V316OL | 4.62 | 3.70 | 3.72 | 4.08 | 5.23 | 5.58 | 4.49 |
| ANGELICO | 4.68 | 4.02 | 3.70 | 4.30 | 5.20 | 5.92 | 4.64 |
| TEMPO | 4.84 | 4.08 | 3.64 | 4.38 | 5.24 | 5.26 | 4.57 |
| KWS IVO | 4.34 | 3.78 | 3.54 | 4.20 | 5.23 | 5.30 | 4.40 |
| HOSTINE | 4.78 | 4.24 | 3.96 | 4.28 | 4.66 | 4.97 | 4.48 |
| LG AVIRON | 4.76 | 4.14 | 3.96 | 4.66 | 5.12 | 5.17 | 4.63 |
| ZIDANE | 4.72 | 4.34 | 3.76 | 4.36 | 5.17 | 5.05 | 4.57 |
| TURBO | 4.64 | 3.98 | 4.04 | 4.28 | 4.87 | 4.98 | 4.46 |
| RGT PIAZZOLA | 4.26 | 4.12 | 3.50 | 3.88 | 4.86 | 4.89 | 4.25 |
| RGT KIZZCOOL | 4.88 | 4.16 | 3.70 | 4.48 | 5.65 | 5.91 | 4.80 |
| HELYPSE | 4.58 | 3.64 | 3.54 | 4.14 | 5.62 | 6.03 | 4.59 |
| LG AUSTIN | 4.82 | 4.16 | 3.86 | 4.38 | 5.49 | 4.91 | 4.60 |
| NPZ21291W11 | 4.70 | 4.08 | 3.80 | 4.24 | 5.51 | 5.02 | 4.56 |
| BLACKMOON | 4.78 | 4.22 | 3.94 | 4.40 | 5.30 | 5.43 | 4.68 |
| HRG2912 | 4.24 | 4.08 | 3.50 | 3.82 | 4.44 | 4.82 | 4.15 |
| CROMAT | 4.54 | 3.68 | 3.60 | 4.04 | 4.58 | 4.52 | 4.16 |
| RAP21292W11 | 4.16 | 3.94 | 3.54 | 3.92 | 4.71 | 4.73 | 4.17 |
| LG AUCKLAND | 5.04 | 4.60 | 4.12 | 4.62 | 5.89 | 5.17 | 4.91 |
| MDS82 | 4.76 | 4.00 | 3.70 | 4.42 | 5.88 | 5.53 | 4.72 |
| HRG231 | 4.74 | 3.72 | 3.58 | 4.08 | 5.21 | 5.01 | 4.39 |
| RNX213336 | 4.70 | 4.04 | 3.90 | 4.46 | 5.90 | 5.93 | 4.82 |
| RNX213331 | 4.54 | 4.28 | 3.92 | 4.32 | 4.98 | 4.98 | 4.50 |
| PT299 | 4.50 | 3.74 | 3.96 | 4.12 | 5.45 | 5.44 | 4.53 |
| DK EXCITED | 4.26 | 3.90 | 3.42 | 3.86 | 4.16 | 4.53 | 4.02 |
| KWS AMBOS | 3.96 | 3.46 | 3.32 | 3.74 | 4.28 | 4.37 | 3.85 |
| KWS FELICIANO | 4.30 | 3.76 | 3.46 | 4.06 | 4.27 | 4.57 | 4.07 |
| Moyenne d'essai | 4.56 | 4.00 | 3.71 | 4.20 | 5.07 | 5.11 | 4.44 |

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 13 :

Teneur en huile (%) à 6 % d'humidité

Oelgehalt (%) bei 6 % Wassergehalt des Kornes

Oil content (%) at 6 % moisture content of seed

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Moyennes |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DK EXLIBRIS | 52.3 | 48.3 | 46.7 | 44.8 | 45.1 | 45.6 | 47.1 |
| SY MATTEO | 50.2 | 48.6 | 47.7 | 46.4 | 46.3 | 43.8 | 47.2 |
| PICASSO | 51.5 | 48.3 | 48.4 | 45.8 | 46.0 | 46.9 | 47.8 |
| V386OL | 53.0 | 50.2 | 49.3 | 46.1 | 44.4 | 47.4 | 48.4 |
| V316OL | 51.3 | 49.3 | 49.0 | 46.1 | 44.9 | 43.3 | 47.3 |
| ANGELICO | 51.2 | 47.2 | 47.0 | 45.0 | 44.9 | 43.3 | 46.4 |
| TEMPO | 49.4 | 49.1 | 47.8 | 45.4 | 45.9 | 46.2 | 47.3 |
| KWS IVO | 50.0 | 49.2 | 48.8 | 46.8 | 44.9 | 45.1 | 47.4 |
| HOSTINE | 51.0 | 49.3 | 48.3 | 47.2 | 46.3 | 45.6 | 48.0 |
| LG AVIRON | 49.2 | 48.5 | 46.6 | 44.9 | 45.3 | 45.2 | 46.6 |
| ZIDANE | 50.2 | 49.5 | 48.6 | 47.5 | 47.8 | 47.3 | 48.5 |
| TURBO | 50.6 | 49.5 | 48.0 | 46.6 | 45.8 | 45.5 | 47.7 |
| RGT PIAZZOLA | 51.7 | 48.5 | 49.3 | 47.9 | 47.3 | 47.4 | 48.7 |
| RGT KIZZCOOL | 52.0 | 49.6 | 49.1 | 47.0 | 44.0 | 44.2 | 47.7 |
| HELYPSE | 51.4 | 50.1 | 49.7 | 47.6 | 45.8 | 47.3 | 48.6 |
| LG AUSTIN | 50.5 | 48.5 | 47.4 | 45.7 | 44.7 | 45.3 | 47.0 |
| NPZ21291W11 | 49.7 | 49.8 | 46.9 | 46.7 | 42.1 | 46.0 | 46.9 |
| BLACKMOON | 50.3 | 48.8 | 48.6 | 47.0 | 45.2 | 45.1 | 47.5 |
| HRG2912 | 50.7 | 48.0 | 48.3 | 46.7 | 47.7 | 47.5 | 48.1 |
| CROMAT | 51.0 | 50.0 | 49.2 | 48.3 | 47.9 | 47.6 | 49.0 |
| RAP21292W11 | 51.6 | 50.7 | 50.3 | 47.7 | 47.2 | 46.8 | 49.0 |
| LG AUCKLAND | 50.8 | 50.0 | 47.7 | 46.9 | 43.3 | 44.5 | 47.2 |
| MDS82 | 50.7 | 49.5 | 47.5 | 46.6 | 44.4 | 44.6 | 47.2 |
| HRG231 | 51.8 | 50.7 | 49.4 | 46.9 | 46.6 | 47.0 | 48.7 |
| RNX213336 | 52.8 | 50.4 | 50.7 | 48.3 | 43.4 | 45.9 | 48.6 |
| RNX213331 | 50.7 | 48.4 | 47.3 | 45.7 | 45.7 | 44.0 | 47.0 |
| PT299 | 53.6 | 51.0 | 51.6 | 48.5 | 44.7 | 45.3 | 49.1 |
| DK EXCITED | 51.1 | 49.6 | 48.2 | 45.8 | 47.7 | 46.0 | 48.1 |
| KWS AMBOS | 52.5 | 50.0 | 48.6 | 48.7 | 47.5 | 48.3 | 49.3 |
| KWS FELICIANO | 51.6 | 49.1 | 48.7 | 47.7 | 46.5 | 47.2 | 48.5 |
| Moyenne d'essai | 51.1 | 49.3 | 48.5 | 46.7 | 45.6 | 45.9 | 47.9 |

Analyses réalisées par les laboratoires d'Agroscope à Changins

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 14 :
Composition en acides gras (%)
Fettsäurezusammensetzung (%)
Fatty acids composition (%)

| Lieux d'essai | Acide oléique C 18:1 | | | | | Acide linoléique C 18:2 | | | | | Acide linoléique C 18:3 | | | | |
|------------------------|-------------------------|-------------|-------------|-------------|----------------|----------------------------|-------------|-------------|------------|----------------|----------------------------|------------|------------|------------|----------------|
| | Chs. % | Chs.* % | Gou. % | Gou.* % | Moyennes* % | Chs. % | Chs.* % | Gou. % | Gou.* % | Moyennes* % | Chs. % | Chs.* % | Gou. % | Gou.* % | Moyennes* % |
| DK EXLIBRIS | 64.0 | | 63.1 | | 63.6 | 19.8 | | 20.4 | | 20.1 | 7.6 | | 7.4 | | 7.5 |
| SYMATTEO | 64.1 | | 63.9 | | 64.0 | 19.4 | | 19.4 | | 19.4 | 7.8 | | 7.4 | | 7.6 |
| PICASSO | 62.8 | | 61.6 | | 62.2 | 19.2 | | 19.5 | | 19.4 | 8.8 | | 8.8 | | 8.8 |
| V3860L | 78.2 | 80.6 | 79.1 | 80.8 | 78.7 | 10.7 | 9.2 | 9.9 | 8.8 | 10.3 | 3.0 | 2.2 | 2.6 | 2.0 | 2.8 |
| V3160L | 77.9 | 80.5 | 79.4 | 80.3 | 78.6 | 10.8 | 9.1 | 9.4 | 8.7 | 10.1 | 3.5 | 2.6 | 2.7 | 2.4 | 3.1 |
| ANGELICO | 62.8 | | 61.2 | | 62.0 | 19.9 | | 20.9 | | 20.4 | 8.7 | | 8.8 | | 8.8 |
| TEMPO | 64.2 | | 64.2 | | 64.2 | 19.4 | | 19.1 | | 19.2 | 7.9 | | 7.6 | | 7.8 |
| KWS IVO | 65.3 | | 65.3 | | 65.3 | 19.2 | | 19.3 | | 19.3 | 7.3 | | 6.8 | | 7.0 |
| HOSTINE | 64.9 | | 64.4 | | 64.6 | 19.2 | | 19.6 | | 19.4 | 7.8 | | 7.7 | | 7.8 |
| LG AVIRON | 64.1 | | 63.5 | | 63.8 | 19.9 | | 20.1 | | 20.0 | 7.8 | | 7.7 | | 7.8 |
| ZIDANE | 64.0 | | 63.9 | | 63.9 | 20.2 | | 20.1 | | 20.2 | 7.6 | | 7.4 | | 7.5 |
| TURBO | 63.7 | | 63.3 | | 63.5 | 19.3 | | 19.5 | | 19.4 | 8.1 | | 8.0 | | 8.0 |
| RGT PIAZZOLA | 77.1 | 81.3 | 79.6 | 82.2 | 78.4 | 10.7 | 7.9 | 8.8 | 7.0 | 9.8 | 3.8 | 2.6 | 3.0 | 2.3 | 3.4 |
| RGT KIZCOOL | 74.9 | 80.7 | 78.3 | 80.9 | 76.6 | 11.9 | 8.1 | 9.4 | 8.1 | 10.6 | 4.8 | 3.1 | 3.6 | 2.9 | 4.2 |
| HRG2912 | 76.3 | 77.1 | 76.9 | 78.6 | 76.6 | 12.7 | 12.2 | 11.9 | 10.7 | 12.3 | 3.4 | 2.9 | 3.0 | 2.6 | 3.2 |
| MDS82 | 73.4 | 74.8 | 74.4 | 75.1 | 73.9 | 14.5 | 13.9 | 13.8 | 13.4 | 14.2 | 3.7 | 3.0 | 3.1 | 2.9 | 3.4 |
| Moyenne d'essai | 68.6 | 79.2 | 68.9 | 79.7 | 68.7 | 16.7 | 10.1 | 16.3 | 9.4 | 16.5 | 6.3 | 2.7 | 6.0 | 2.5 | 6.2 |

*Variétés HOLL isolées
Analyses réalisées par les laboratoires d'Oleificio Sabo à Ham (TG)

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 15 :

Teneur en protéines (% de la matière sèche deshuilée)

Proteingehalt (% der entfetteten Trockensubstanz)

Protein content (% of de-fatted dry matter)

| Lieux d'essai | Chs. | Gou. | Burt. | Mou. | Rec. | Gen. | Moyennes |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| DK EXLIBRIS | 35.1 | 37.5 | 40.6 | 41.7 | 39.8 | 40.8 | 39.2 |
| SY MATTEO | 38.0 | 37.9 | 40.6 | 40.9 | 39.8 | 42.0 | 39.9 |
| PICASSO | 37.4 | 38.4 | 40.4 | 41.4 | 39.5 | 40.9 | 39.7 |
| V386OL | 40.1 | 39.7 | 42.0 | 43.2 | 43.4 | 43.2 | 41.9 |
| V316OL | 41.2 | 39.8 | 42.2 | 42.6 | 41.9 | 44.7 | 42.1 |
| ANGELICO | 38.6 | 39.0 | 40.2 | 42.2 | 41.0 | 42.8 | 40.6 |
| TEMPO | 39.8 | 38.4 | 39.9 | 42.2 | 39.9 | 40.9 | 40.2 |
| KWS IVO | 38.1 | 38.0 | 39.5 | 41.2 | 41.9 | 43.0 | 40.3 |
| HOSTINE | 37.8 | 37.9 | 39.5 | 40.6 | 39.0 | 40.8 | 39.3 |
| LG AVIRON | 36.7 | 37.0 | 39.9 | 41.1 | 39.0 | 41.2 | 39.1 |
| ZIDANE | 36.9 | 37.8 | 39.5 | 41.0 | 39.1 | 40.7 | 39.2 |
| TURBO | 38.1 | 36.5 | 40.1 | 41.1 | 39.0 | 41.1 | 39.3 |
| RGT PIAZZOLA | 38.9 | 39.7 | 40.3 | 42.0 | 40.1 | 41.6 | 40.4 |
| RGT KIZZCOOL | 38.7 | 39.6 | 41.9 | 42.6 | 42.5 | 43.6 | 41.5 |
| HELYPSE | 34.9 | 36.2 | 37.5 | 38.9 | 39.4 | 40.5 | 37.9 |
| LG AUSTIN | 37.1 | 36.9 | 38.8 | 40.3 | 39.5 | 40.8 | 38.9 |
| NPZ21291W11 | 40.1 | 36.6 | 40.3 | 40.2 | 41.5 | 40.5 | 39.9 |
| BLACKMOON | 37.2 | 37.4 | 39.3 | 41.0 | 39.7 | 41.2 | 39.3 |
| HRG2912 | 40.1 | 40.7 | 41.7 | 43.1 | 41.4 | 42.9 | 41.6 |
| CROMAT | 39.3 | 38.0 | 40.7 | 42.0 | 39.8 | 42.4 | 40.4 |
| RAP21292W11 | 36.8 | 37.9 | 39.8 | 41.2 | 40.0 | 41.8 | 39.6 |
| LG AUCKLAND | 38.7 | 37.4 | 40.8 | 41.9 | 41.9 | 42.6 | 40.5 |
| MDS82 | 39.9 | 39.1 | 41.5 | 42.6 | 42.3 | 42.7 | 41.3 |
| HRG231 | 35.4 | 35.8 | 38.6 | 41.1 | 39.6 | 40.8 | 38.5 |
| RNX213336 | 39.0 | 38.6 | 40.6 | 42.3 | 42.7 | 42.2 | 40.9 |
| RNX213331 | 38.0 | 38.4 | 39.8 | 41.8 | 39.9 | 42.1 | 40.0 |
| PT299 | 37.0 | 38.9 | 41.0 | 42.3 | 41.4 | 43.1 | 40.6 |
| DK EXCITED | 37.7 | 37.3 | 40.8 | 41.4 | 38.4 | 40.3 | 39.3 |
| KWS AMBOS | 35.6 | 37.0 | 39.8 | 40.5 | 39.6 | 39.5 | 38.7 |
| KWS FELICIANO | 37.7 | 37.5 | 39.7 | 41.2 | 39.3 | 41.2 | 39.4 |
| Moyenne d'essai | 38.0 | 38.0 | 40.2 | 41.5 | 40.4 | 41.7 | 40.0 |

Analyses réalisées par les laboratoires d'Agroscope à Changins

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 16 :

Teneur en glucosinolates, en mmol/kg de graines sur la récolte
 Glukosinolatgehalte, mmol/kg Samen im Erntegut
 Glucosinolates content, mmol/kg from harvested seed

| Lieux d'essai | Chs. | Burt. | Moyennes |
|------------------------|-------------|-------------|-------------|
| DK EXLIBRIS | 17.8 | 20.8 | 19.3 |
| SY MATTEO | 22.7 | 22.8 | 22.8 |
| PICASSO | 22.3 | 22.7 | 22.5 |
| HOSTINE | 20.8 | 22.0 | 21.4 |
| LG AVIRON | 17.7 | 19.6 | 18.7 |
| ZIDANE | 18.8 | 20.2 | 19.5 |
| TURBO | 19.2 | 17.5 | 18.4 |
| RGT PIAZZOLA | 15.8 | 16.9 | 16.3 |
| RGT KIZZCOOL | 21.8 | 16.6 | 19.2 |
| KWS FELICIANO | 17.8 | 20.6 | 19.2 |
| Moyenne d'essai | 19.5 | 20.0 | 19.7 |

Analyses réalisées par les laboratoires d'Agroscope à Posieux

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 17 :

Rendement en grain trié, à 6 % d'eau, en dt/ha

Körnertrag, gereinigt, 6 % Wassergehalt, in dt/ha

Seedyield, cleaned, 6 % moisture content, in dt/ha

| Variétés | 2021 | 2022 | 2023 | Moyenne 2 ans 2022-2023 | Moyenne 3 ans 2021-2023 |
|-------------------------------|------|------|------|----------------------------|----------------------------|
| DK EXLIBRIS | 43.0 | 38.1 | 39.3 | 38.7 | 40.1 |
| SY MATTEO | 45.9 | 41.2 | 39.2 | 40.2 | 42.1 |
| PICASSO | 47.4 | 39.0 | 39.0 | 39.0 | 41.8 |
| V386OL | 40.5 | 34.9 | 34.3 | 34.6 | 36.6 |
| V316OL | 38.8 | 33.6 | 32.3 | 32.9 | 34.9 |
| ANGELICO | 44.8 | 38.3 | 35.9 | 37.1 | 39.7 |
| TEMPO | 44.8 | 37.6 | 38.7 | 38.1 | 40.4 |
| KWS IVO | 45.1 | 38.2 | 36.0 | 37.1 | 39.8 |
| HOSTINE | 46.9 | 40.3 | 37.5 | 38.9 | 41.6 |
| LG AVIRON | 46.2 | 38.6 | 40.0 | 39.3 | 41.6 |
| ZIDANE | 49.8 | 41.0 | 38.9 | 39.9 | 43.2 |
| TURBO | 51.3 | 39.8 | 41.5 | 40.7 | 44.2 |
| RGT PIAZZOLA | 40.0 | 35.1 | 33.0 | 34.1 | 36.0 |
| RGT KIZZCOOL | 41.0 | 33.4 | 30.4 | 31.9 | 34.9 |
| HELYPSE | | 39.1 | 40.0 | 39.5 | |
| LG AUSTIN | | 40.1 | 41.7 | 40.9 | |
| NPZ21291W11 | | 40.4 | 41.7 | 41.1 | |
| BLACKMOON | | 40.8 | 41.7 | 41.3 | |
| HRG2912 | | 34.6 | 37.4 | 36.0 | |
| CROMAT | | | 36.9 | | |
| RAP21292W11 | | | 41.3 | | |
| LG AUCKLAND | | | 38.5 | | |
| MDS82 | | | 39.0 | | |
| HRG231 | | | 39.5 | | |
| RNX213336 | | | 34.7 | | |
| RNX213331 | | | 40.0 | | |
| PT299 | | | 33.0 | | |
| DK EXCITED | | | 36.2 | | |
| KWS AMBOS | | | 40.8 | | |
| KWS FELICIANO | | | 41.4 | | |
| Nombre de lieux d'observation | 6 | 5 | 4 | | |

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 18 :

Rendement en grain trié, à 6 % d'eau, en valeur relatives, 100 = (DK Exlibris + SY Matteo + Picasso)/3

Kornertrag, gereinigt, 6 % Wassergehalt, Relativwerte, 100 = (DK Exlibris + SY Matteo + Picasso)/3

Seedyield, cleaned, 6 % moisture content, relative values, 100 = (DK Exlibris + SY Matteo + Picasso)/3

| Variétés | 2021 ¹⁾ | 2022 ²⁾ | 2023 ³⁾ | Moyenne 2 ans 2022-2023 ⁴⁾ | Moyenne 3 ans 2021-2023 ⁵⁾ |
|--------------------------------------|--------------------|--------------------|--------------------|--|--|
| DK EXLIBRIS | 95.0 | 96.2 | 100.3 | 98.2 | 97.1 |
| SY MATTEO | 100.8 | 105.0 | 100.1 | 102.5 | 102.0 |
| PICASSO | 104.2 | 98.9 | 99.6 | 99.2 | 100.9 |
| V386OL | 89.7 | 86.7 | 87.6 | 87.1 | 88.0 |
| V316OL | 85.3 | 84.4 | 82.1 | 83.3 | 84.0 |
| ANGELICO | 98.2 | 97.6 | 91.6 | 94.6 | 95.8 |
| TEMPO | 98.3 | 95.1 | 98.4 | 96.8 | 97.3 |
| KWS IVO | 99.2 | 96.8 | 91.7 | 94.3 | 95.9 |
| HOSTINE | 103.0 | 100.9 | 95.0 | 98.0 | 99.6 |
| LG AVIRON | 101.6 | 98.0 | 102.2 | 100.1 | 100.6 |
| ZIDANE | 109.1 | 103.1 | 98.8 | 100.9 | 103.6 |
| TURBO | 112.6 | 99.7 | 105.7 | 102.7 | 106.0 |
| RGT PIAZZOLA | 88.0 | 88.8 | 84.4 | 86.6 | 87.1 |
| RGT KIZZCOOL | 90.0 | 85.1 | 77.8 | 81.4 | 84.3 |
| HELYPSE | | 98.5 | 101.8 | 100.1 | |
| LG AUSTIN | | 101.5 | 106.2 | 103.8 | |
| NPZ21291W11 | | 102.2 | 106.1 | 104.2 | |
| BLACKMOON | | 103.9 | 106.5 | 105.2 | |
| HRG2912 | | 87.7 | 95.5 | 91.6 | |
| CROMAT | | | 94.2 | | |
| RAP21292W11 | | | 105.6 | | |
| LG AUCKLAND | | | 97.7 | | |
| MDS82 | | | 99.1 | | |
| HRG231 | | | 100.8 | | |
| RNX213336 | | | 88.5 | | |
| RNX213331 | | | 101.8 | | |
| PT299 | | | 84.0 | | |
| DK EXCITED | | | 92.6 | | |
| KWS AMBOS | | | 104.0 | | |
| KWS FELICIANO | | | 105.8 | | |
| Nombre de lieux d'observation | 6 | 5 | 4 | | |

1) 100 = 45.4 kg/are

2) 100 = 39.4 kg/are

3) 100 = 38.1 kg/are

4) 100 = 38.8 kg/are

5) 100 = 41.0 kg/are

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 19 :

Début floraison (différence en jours par rapport à (DK Exlibris + SY Matteo + Picasso)/3)

Blühbeginn (Unterschied in Tagen im Vergleich zu (DK Exlibris + SY Matteo + Picasso)/3)

Beginning of flowering (difference in days compared to (DK Exlibris + SY Matteo + Picasso)/3)

| Variétés | 2021 | 2022 | 2023 | Moyenne 2 ans 2022-2023 | Moyenne 3 ans 2021-2023 |
|--------------------------------------|----------|----------|----------|----------------------------|----------------------------|
| DK EXLIBRIS | -2.0 | -0.5 | -2.4 | -1.5 | -1.6 |
| SY MATTEO | +3.0 | +0.8 | +4.4 | +2.6 | +2.7 |
| PICASSO | -1.0 | -0.3 | -2.0 | -1.1 | -1.1 |
| V386OL | -0.7 | -0.3 | -5.6 | -2.9 | -2.2 |
| V316OL | +0.7 | +0.7 | +2.7 | +1.7 | +1.4 |
| ANGELICO | +0.6 | +1.3 | +1.9 | +1.6 | +1.3 |
| TEMPO | +3.8 | +2.2 | +4.6 | +3.4 | +3.5 |
| KWS IVO | -2.6 | -2.4 | -2.6 | -2.5 | -2.5 |
| HOSTINE | -0.6 | -1.2 | -3.1 | -2.2 | -1.6 |
| LG AVIRON | -0.6 | +0.6 | +0.6 | +0.6 | +0.2 |
| ZIDANE | +1.9 | +1.3 | +3.4 | +2.4 | +2.2 |
| TURBO | +2.1 | +0.4 | +2.1 | +1.3 | +1.5 |
| RGT PIAZZOLA | +3.0 | +2.2 | +3.3 | +2.7 | +2.8 |
| RGT KIZZCOOL | +3.0 | +1.1 | +3.2 | +2.1 | +2.4 |
| HELYPSE | | +1.6 | +5.5 | +3.5 | |
| LG AUSTIN | | -0.1 | +1.4 | +0.6 | |
| NPZ21291W11 | | +0.2 | +0.4 | +0.3 | |
| BLACKMOON | | +1.6 | +3.5 | +2.6 | |
| HRG2912 | | -1.3 | -2.1 | -1.7 | |
| CROMAT | | | -5.6 | | |
| RAP21292W11 | | | -6.7 | | |
| LG AUCKLAND | | | +0.4 | | |
| MDS82 | | | +1.9 | | |
| HRG231 | | | +3.5 | | |
| RNX213336 | | | +2.8 | | |
| RNX213331 | | | +0.9 | | |
| PT299 | | | -3.5 | | |
| DK EXCITED | | | -0.6 | | |
| KWS AMBOS | | | -0.1 | | |
| KWS FELICIANO | | | -0.2 | | |
| Nombre de lieux d'observation | 7 | 6 | 6 | | |

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 20 :

Humidité du grain à la récolte: différences de % d'humidité par rapport à (DK Exlibris + SY Matteo + Picasso)/3
 Wassergehalt des Korns am Erntetag: Unterschiede in Wasser % im Vergleich zu (DK Exlibris + SY Matteo + Picasso)/3
 Moisture content of seed at harvest: differences in % of water compared to (DK Exlibris + SY Matteo + Picasso)/3

| Variétés | 2021 ¹⁾ | 2022 ²⁾ | 2023 ³⁾ | Moyenne 2 ans 2022-2023 ⁴⁾ | Moyenne 3 ans 2021-2023 ⁵⁾ |
|--------------------------------------|--------------------|--------------------|--------------------|--|--|
| DK EXLIBRIS | -0.1 | +0.3 | -0.2 | +0.0 | -0.0 |
| SY MATTEO | +0.0 | -0.3 | -0.1 | -0.2 | -0.1 |
| PICASSO | +0.1 | +0.0 | +0.3 | +0.2 | +0.1 |
| V386OL | +0.3 | +0.1 | +0.5 | +0.3 | +0.3 |
| V316OL | -0.1 | +0.0 | -0.3 | -0.1 | -0.1 |
| ANGELICO | +0.4 | -0.3 | +0.5 | +0.1 | +0.2 |
| TEMPO | +0.2 | +0.5 | -0.0 | +0.3 | +0.2 |
| KWS IVO | -0.4 | -0.1 | -0.3 | -0.2 | -0.2 |
| HOSTINE | -0.5 | -0.4 | -0.3 | -0.4 | -0.4 |
| LG AVIRON | +0.2 | +0.6 | -0.4 | +0.1 | +0.1 |
| ZIDANE | +0.1 | +0.2 | +0.9 | +0.6 | +0.4 |
| TURBO | -0.1 | +0.1 | +0.3 | +0.2 | +0.1 |
| RGT PIAZZOLA | -0.1 | +0.0 | -0.2 | -0.1 | -0.1 |
| RGT KIZZCOOL | -0.1 | +0.6 | +1.1 | +0.9 | +0.5 |
| HELYPSE | | -0.0 | +1.0 | +0.5 | |
| LG AUSTIN | | +0.0 | -0.4 | -0.2 | |
| NPZ21291W11 | | +0.2 | +0.8 | +0.5 | |
| BLACKMOON | | +0.4 | +1.0 | +0.7 | |
| HRG2912 | | -0.7 | -0.3 | -0.5 | |
| CROMAT | | | +0.2 | | |
| RAP21292W11 | | | +0.7 | | |
| LG AUCKLAND | | | +0.4 | | |
| MDS82 | | | -0.5 | | |
| HRG231 | | | +0.3 | | |
| RNX213336 | | | -0.5 | | |
| RNX213331 | | | +0.6 | | |
| PT299 | | | -0.0 | | |
| DK EXCITED | | | -0.3 | | |
| KWS AMBOS | | | -0.2 | | |
| KWS FELICIANO | | | +0.7 | | |
| Nombre de lieux d'observation | 6 | 5 | 6 | | |

- 1) 0.0 = 10.5 %
- 2) 0.0 = 7.9 %
- 3) 0.0 = 8.0 %
- 4) 0.0 = 8.0 %
- 5) 0.0 = 8.8 %

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 21 :

Hauteur des plantes en cm, (stade fin floraison)

Pflanzenlänge in cm (Stadium "Ende der Blüte")

Plant height in cm (stage "end of flowering")

| Variétés | 2021 | 2022 | 2023 | Moyenne 2 ans 2022-2023 | Moyenne 3 ans 2021-2023 |
|---------------------------------|------|------|------|----------------------------|----------------------------|
| DK EXLIBRIS | 135 | 155 | 159 | 157 | 150 |
| SY MATTEO | 142 | 167 | 166 | 166 | 158 |
| PICASSO | 139 | 162 | 165 | 164 | 156 |
| V386OL | 137 | 155 | 158 | 156 | 150 |
| V316OL | 138 | 157 | 164 | 160 | 153 |
| ANGELICO | 144 | 166 | 162 | 164 | 157 |
| TEMPO | 140 | 160 | 169 | 165 | 156 |
| KWS IVO | 142 | 158 | 161 | 160 | 154 |
| HOSTINE | 147 | 167 | 167 | 167 | 161 |
| LG AVIRON | 142 | 159 | 160 | 160 | 154 |
| ZIDANE | 143 | 163 | 174 | 168 | 160 |
| TURBO | 145 | 160 | 165 | 162 | 157 |
| RGT PIAZZOLA | 144 | 167 | 165 | 166 | 159 |
| RGT KIZZCOOL | 146 | 169 | 168 | 169 | 161 |
| HELYPSE | | 169 | 171 | 170 | |
| LG AUSTIN | | 164 | 165 | 164 | |
| NPZ21291W11 | | 163 | 162 | 162 | |
| BLACKMOON | | 166 | 172 | 169 | |
| HRG2912 | | 147 | 152 | 149 | |
| CROMAT | | | 153 | | |
| RAP21292W11 | | | 164 | | |
| LG AUCKLAND | | | 159 | | |
| MDS82 | | | 159 | | |
| HRG231 | | | 171 | | |
| RNX213336 | | | 173 | | |
| RNX213331 | | | 163 | | |
| PT299 | | | 158 | | |
| DK EXCITED | | | 164 | | |
| KWS AMBOS | | | 169 | | |
| KWS FELICIANO | | | 179 | | |
| Nombre de lieux d'observation : | 7 | 6 | 6 | | |

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 22 :

Note de verse (1 = pas de verse; 9 = verse totale)

Bonitur der Standfestigkeit (1 = standfest; 9 = totale Lagerung)

Evaluation of lodging (1 = no lodging; 9 = fully lodged)

| Variétés | 2021 | 2022 | 2023 | Moyenne 2 ans 2022-2023 | Moyenne 3 ans 2021-2023 |
|-------------------------------|------|------|------|----------------------------|----------------------------|
| DK EXLIBRIS | 2.0 | 1.1 | 3.0 | 2.0 | 2.0 |
| SY MATTEO | 1.9 | 1.1 | 2.3 | 1.7 | 1.8 |
| PICASSO | 2.0 | 1.1 | 1.4 | 1.3 | 1.5 |
| V386OL | 1.8 | 1.1 | 2.4 | 1.7 | 1.8 |
| V316OL | 1.3 | 1.1 | 1.9 | 1.5 | 1.5 |
| ANGELICO | 2.1 | 1.1 | 2.6 | 1.8 | 1.9 |
| TEMPO | 1.8 | 1.1 | 1.5 | 1.3 | 1.5 |
| KWS IVO | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| HOSTINE | 1.3 | 1.2 | 1.3 | 1.3 | 1.3 |
| LG AVIRON | 2.8 | 1.1 | 2.8 | 2.0 | 2.2 |
| ZIDANE | 1.4 | 1.0 | 1.2 | 1.1 | 1.2 |
| TURBO | 1.1 | 1.1 | 1.4 | 1.3 | 1.2 |
| RGT PIAZZOLA | 2.1 | 1.0 | 2.5 | 1.7 | 1.9 |
| RGT KIZZCOOL | 2.4 | 1.3 | 2.4 | 1.8 | 2.0 |
| HELYPSE | | 1.2 | 2.3 | 1.7 | |
| LG AUSTIN | | 1.1 | 2.7 | 1.9 | |
| NPZ21291W11 | | 1.2 | 1.1 | 1.1 | |
| BLACKMOON | | 1.1 | 1.6 | 1.3 | |
| HRG2912 | | 1.1 | 3.2 | 2.2 | |
| CROMAT | | | 1.8 | | |
| RAP21292W11 | | | 1.3 | | |
| LG AUCKLAND | | | 3.5 | | |
| MDS82 | | | 1.7 | | |
| HRG231 | | | 1.6 | | |
| RNX213336 | | | 2.9 | | |
| RNX213331 | | | 2.3 | | |
| PT299 | | | 2.7 | | |
| DK EXCITED | | | 3.2 | | |
| KWS AMBOS | | | 1.9 | | |
| KWS FELICIANO | | | 1.3 | | |
| Nombre de lieux d'observation | 7 | 5 | 6 | | |

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 23 :

Poids de mille grains en grammes

Tausendkorngewicht in g

Weight of 1000 seeds in g

| Variétés | 2021 | 2022 | 2023 | Moyenne 2 ans 2022-2023 | Moyenne 3 ans 2021-2023 |
|--------------------------------------|-------------|-------------|-------------|----------------------------|----------------------------|
| DK EXLIBRIS | 3.59 | 3.76 | 4.14 | 3.95 | 3.83 |
| SY MATTEO | 3.75 | 3.68 | 4.28 | 3.98 | 3.90 |
| PICASSO | 3.51 | 3.68 | 4.12 | 3.90 | 3.77 |
| V386OL | 4.00 | 3.90 | 4.64 | 4.27 | 4.18 |
| V316OL | 3.96 | 3.87 | 4.49 | 4.18 | 4.11 |
| ANGELICO | 3.95 | 4.02 | 4.64 | 4.33 | 4.20 |
| TEMPO | 3.72 | 3.81 | 4.57 | 4.19 | 4.03 |
| KWS IVO | 3.45 | 3.68 | 4.40 | 4.04 | 3.84 |
| HOSTINE | 3.70 | 3.88 | 4.48 | 4.18 | 4.02 |
| LG AVIRON | 3.86 | 4.10 | 4.63 | 4.37 | 4.20 |
| ZIDANE | 3.84 | 4.05 | 4.57 | 4.31 | 4.15 |
| TURBO | 3.81 | 4.05 | 4.46 | 4.26 | 4.11 |
| RGT PIAZZOLA | 3.72 | 3.74 | 4.25 | 3.99 | 3.90 |
| RGT KIZZCOOL | 4.11 | 4.19 | 4.80 | 4.49 | 4.37 |
| HELYPSE | | 3.80 | 4.59 | 4.19 | |
| LG AUSTIN | | 4.07 | 4.60 | 4.34 | |
| NPZ21291W11 | | 3.82 | 4.56 | 4.19 | |
| BLACKMOON | | 3.91 | 4.68 | 4.30 | |
| HRG2912 | | 3.95 | 4.15 | 4.05 | |
| CROMAT | | | 4.16 | | |
| RAP21292W11 | | | 4.17 | | |
| LG AUCKLAND | | | 4.91 | | |
| MDS82 | | | 4.72 | | |
| HRG231 | | | 4.39 | | |
| RNX213336 | | | 4.82 | | |
| RNX213331 | | | 4.50 | | |
| PT299 | | | 4.53 | | |
| DK EXCITED | | | 4.02 | | |
| KWS AMBOS | | | 3.85 | | |
| KWS FELICIANO | | | 4.07 | | |
| Nombre de lieux d'observation | 6 | 5 | 6 | | |

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 24 :

Teneur en huile (%) à 6 % d'humidité

Ölgehalt (%) bei 6 % Wassergehalt des Kornes

Oil content (%) at 6 % moisture content of seed

| Variétés | 2021 | 2022 | 2023 | Moyenne 2 ans 2022-2023 | Moyenne 3 ans 2021-2023 |
|-------------------------------|------|------|------|----------------------------|----------------------------|
| DK EXLIBRIS | 49.5 | 49.6 | 47.1 | 48.3 | 48.7 |
| SY MATTEO | 50.0 | 50.5 | 47.2 | 48.8 | 49.2 |
| PICASSO | 50.0 | 49.9 | 47.8 | 48.9 | 49.2 |
| V386OL | 50.0 | 50.8 | 48.4 | 49.6 | 49.7 |
| V316OL | 49.5 | 50.7 | 47.3 | 49.0 | 49.2 |
| ANGELICO | 48.8 | 49.6 | 46.4 | 48.0 | 48.3 |
| TEMPO | 49.3 | 49.5 | 47.3 | 48.4 | 48.7 |
| KWS IVO | 50.1 | 50.8 | 47.4 | 49.1 | 49.4 |
| HOSTINE | 51.4 | 50.9 | 48.0 | 49.4 | 50.1 |
| LG AVIRON | 49.5 | 49.3 | 46.6 | 48.0 | 48.5 |
| ZIDANE | 50.8 | 51.0 | 48.5 | 49.7 | 50.1 |
| TURBO | 50.0 | 49.8 | 47.7 | 48.7 | 49.2 |
| RGT PIAZZOLA | 50.7 | 51.0 | 48.7 | 49.8 | 50.1 |
| RGT KIZZCOOL | 51.3 | 51.0 | 47.7 | 49.3 | 50.0 |
| HELYPSE | | 51.0 | 48.6 | 49.8 | |
| LG AUSTIN | | 50.8 | 47.0 | 48.9 | |
| NPZ21291W11 | | 49.7 | 46.9 | 48.3 | |
| BLACKMOON | | 49.7 | 47.5 | 48.6 | |
| HRG2912 | | 50.0 | 48.1 | 49.0 | |
| CROMAT | | | 49.0 | | |
| RAP21292W11 | | | 49.0 | | |
| LG AUCKLAND | | | 47.2 | | |
| MDS82 | | | 47.2 | | |
| HRG231 | | | 48.7 | | |
| RNX213336 | | | 48.6 | | |
| RNX213331 | | | 47.0 | | |
| PT299 | | | 49.1 | | |
| DK EXCITED | | | 48.1 | | |
| KWS AMBOS | | | 49.3 | | |
| KWS FELICIANO | | | 48.5 | | |
| Nombre de lieux d'observation | 6 | 5 | 6 | | |

Récapitulation des résultats des essais de variétés de colza d'automne 2021 à 2023

Tableau 25 :

Teneur en glucosinolates, en mmol/kg de graines sur la récolte

Glukosinolatgehalte, mmol/kg Samen im Erntegut

Glucosinolates content, mmol/kg from harvested seed

| Variétés | 2021 | 2022 | 2023 | Moyenne 2 ans 2022-2023 | Moyenne 3 ans 2021-2023 |
|-------------------------------|------|------|------|----------------------------|----------------------------|
| DK EXLIBRIS | 15.2 | 15.9 | 19.3 | 17.6 | 16.8 |
| SY MATTEO | | | 22.8 | | |
| PICASSO | 17.1 | 16.3 | 22.5 | 19.4 | 18.6 |
| HOSTINE | | | 21.4 | | |
| LG AVIRON | | | 18.7 | | |
| ZIDANE | | | 19.5 | | |
| TURBO | | | 18.4 | | |
| RGT PIAZZOLA | | | 16.3 | | |
| RGT KIZZCOOL | | | 19.2 | | |
| KWS FELICIANO | | | 19.2 | | |
| Nombre de lieux d'observation | 2 | 2 | 2 | | |

Résultats des essais de variétés de colza d'automne 2022 - 2023

Tableau 26 :
 Indice VAT
 VAT Indiz
 VCU Index

| Variété n° | Statut | Variété nom | Rendement net à 6% H2O dt/ha | Rendement relatif (%) | Humidité du grain à la récolte (%) | Verse note | Sclerotinia sur tiges % | Phoma sur tiges note | Huile (%) | Acide linoléinique (%) | Valeur globale 2023 | Valeur globale 2022-2023 | Valeur globale 2021-2023 |
|--------------------|--------|--------------|------------------------------|-----------------------|------------------------------------|------------|-------------------------|----------------------|-----------|------------------------|---------------------|--------------------------|--------------------------|
| <i>Moyenne STD</i> | | | 38.2 | 100.0 | 8.2 | 1.1 | 1.3 | 6.6 | 49.6 | | 100.0 | 100.0 | 100.0 |
| 1 | ST | DK EXLIBRIS | 39.3 | 100.3 | 8.2 | 3.0 | 1.4 | 6.3 | 47.1 | 7.5 | 99.3 | 97.8 | 96.5 |
| 2 | ST | SY MATTEO | 39.2 | 100.1 | 8.3 | 2.3 | 1.6 | 5.9 | 47.2 | 7.6 | 100.0 | 102.6 | 102.4 |
| 3 | ST | PICASSO | 39.0 | 99.6 | 8.7 | 1.4 | 1.5 | 5.9 | 47.8 | 8.8 | 100.7 | 99.6 | 101.1 |
| 4 | T | V386OL | 34.3 | 87.6 | 9.5 | 2.4 | 0.3 | 5.7 | 48.4 | 2.1 | 88.9 | 89.7 | 89.9 |
| 5 | T | V316OL | 32.3 | 82.1 | 8.8 | 1.9 | 0.8 | 6.0 | 47.3 | 2.5 | 82.8 | 84.9 | 85.5 |
| 6 | T | ANGELICO | 35.9 | 91.6 | 8.9 | 2.6 | 0.4 | 6.1 | 46.4 | 8.8 | 90.9 | 93.2 | 94.1 |
| 7 | T | TEMPO | 38.7 | 98.4 | 8.9 | 1.5 | 1.8 | 5.5 | 47.3 | 7.8 | 98.8 | 96.9 | 97.3 |
| 8 | T | KWS IVO | 36.0 | 91.7 | 8.8 | 1.1 | 1.8 | 5.0 | 47.4 | 7.0 | 93.4 | 95.7 | 97.2 |
| 9 | C | HOSTINE | 37.5 | 95.0 | 8.7 | 1.3 | 0.7 | 6.4 | 48.0 | 7.8 | 96.7 | 101.0 | 102.7 |
| 10 | C | LG AVIRON | 40.0 | 102.2 | 8.5 | 2.8 | 0.3 | 5.3 | 46.6 | 7.8 | 102.8 | 99.5 | 99.5 |
| 11 | C | ZIDANE | 38.9 | 98.8 | 9.8 | 1.2 | 3.6 | 5.0 | 48.5 | 7.5 | 98.5 | 102.2 | 105.7 |
| 12 | C | TURBO | 41.5 | 105.7 | 8.7 | 1.4 | 2.3 | 5.4 | 47.7 | 8.0 | 106.4 | 104.0 | 107.1 |
| 13 | C | RGT PIAZZOLA | 33.0 | 84.4 | 8.2 | 2.5 | 2.6 | 6.6 | 48.7 | 2.4 | 84.0 | 85.8 | 86.4 |
| 14 | C | RGT KIZZCOOL | 30.4 | 77.8 | 9.5 | 2.4 | 2.0 | 6.4 | 47.7 | 3.0 | 76.1 | 80.6 | 83.8 |
| 15 | B | HELYPSE | 40.0 | 101.8 | 9.3 | 2.3 | 1.5 | 5.3 | 48.6 | | 102.9 | 101.2 | |
| 16 | B | LG AUSTIN | 41.7 | 106.2 | 8.6 | 2.7 | 1.9 | 5.8 | 47.0 | | 105.0 | 103.8 | |
| 17 | B | NPZ21291W11 | 41.7 | 106.1 | 9.2 | 1.1 | 3.2 | 4.3 | 46.9 | | 106.1 | 104.1 | |
| 18 | B | BLACKMOON | 41.7 | 106.5 | 9.4 | 1.6 | 2.9 | 5.3 | 47.5 | | 105.6 | 104.0 | |
| 19 | B | HRG2912 | 37.4 | 95.5 | 8.0 | 3.2 | 1.2 | 6.6 | 48.1 | 2.7 | 95.5 | 91.9 | |
| 20 | A | CROMAT | 36.9 | 94.2 | 8.5 | 1.8 | 2.2 | 6.3 | 49.0 | | 95.3 | | |
| 21 | A | RAP21292W11 | 41.3 | 105.6 | 9.1 | 1.3 | 2.2 | 4.8 | 49.0 | | 108.2 | | |
| 22 | A | LG AUCKLAND | 38.5 | 97.7 | 8.7 | 3.5 | 2.3 | 5.7 | 47.2 | | 95.6 | | |
| 23 | A | MDS82 | 39.0 | 99.1 | 8.5 | 1.7 | 1.5 | 5.1 | 47.2 | 2.9 | 100.4 | | |
| 24 | A | HRG231 | 39.5 | 100.8 | 8.7 | 1.6 | 0.9 | 5.2 | 48.7 | | 103.9 | | |
| 25 | A | RNX213336 | 34.7 | 88.5 | 8.5 | 2.9 | 1.8 | 6.4 | 48.6 | | 88.2 | | |
| 26 | A | RNX213331 | 40.0 | 101.8 | 8.9 | 2.3 | 0.8 | 6.4 | 47.0 | | 101.2 | | |
| 27 | A | PT299 | 33.0 | 84.0 | 9.0 | 2.7 | 0.7 | 5.6 | 49.1 | | 85.9 | | |
| 28 | A | DK EXCITED | 36.2 | 92.6 | 8.6 | 3.2 | 0.7 | 5.7 | 48.1 | | 93.3 | | |
| 29 | A | KWS AMBOS | 40.8 | 104.0 | 8.2 | 1.9 | 2.2 | 6.1 | 49.3 | | 105.8 | | |
| 30 | A | KWS FELICIAN | 41.4 | 105.8 | 9.1 | 1.3 | 2.5 | 5.3 | 48.5 | | 106.9 | | |

38.0 96.8 8.8 2.1 1.7 5.7 47.9 97.3 96.8 96.4