

# Sortenversuch Körnermais

## LFS Gießhübl 2025

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### Versuchsziel

Erhebung der Anbaueignung von Körnermaissorten für die spezifischen Bedingungen im Alpenvorland im Raum Amstetten.

### Methode

Blockanlage in Kleinparzellen mit 4 Wiederholungen.

### Kulturführung

|                                         |          |                                                    |
|-----------------------------------------|----------|----------------------------------------------------|
| <b>Vorfrucht:</b>                       |          | Wintergerste                                       |
| <b>Zwischenfrucht</b>                   | 08.08.24 | Gründerke: Boden Pluss                             |
| <b>Bodenbearbeitung:</b>                | 31.07.24 | Grubber                                            |
|                                         | 07.08.24 | Grubber                                            |
|                                         | 02.04.25 | Scheibenegge                                       |
|                                         | 28.04.25 | Grubber                                            |
| <b>Düngung:</b>                         | 31.07.24 | Gülle, 14,32m <sup>3</sup> /ha, 13,71 kg N/ha      |
|                                         | 06.08.24 | Magnesium Mischkalt 65, 1840 kg/ha                 |
|                                         | 14.10.24 | Zuchtsauengülle 24,73m <sup>3</sup> /ha, 55 kgN/ha |
|                                         | 15.05.25 | NPK 17:16.12+4S, 250 kg, 42,5 kgN/ha               |
|                                         | 21.05.25 | Linzer NAC 27%, 300 kg/ha, 81 kgN/ha               |
| <b>Anbau:</b>                           | 03.05.25 | 9 Körner/m <sup>2</sup> , Reihenweite 75 cm        |
| <b>Kulturpflege und Pflanzenschutz:</b> | 19.05.25 | Beikrautbekämpfung: MaisTer power 1,5l/ha          |
| <b>Ernte:</b>                           | 23.10.25 | Parzellenmähdrescher                               |

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## Versuchsergebnis – Tabellenteil RZ 190-270

| Sorte                | Reife-<br>zahl | Maisbeulenbrand | Wuchshöhe | unter Kolben<br>gebrochene Pflanzen | Ertrag |       |       |       |              |              | Feuchtig-<br>keit 2025     |                               |
|----------------------|----------------|-----------------|-----------|-------------------------------------|--------|-------|-------|-------|--------------|--------------|----------------------------|-------------------------------|
|                      |                |                 |           |                                     | 2023   |       | 2024  |       | 2025         |              | absolut % H <sub>2</sub> O | rel. in % vom<br>Durchschnitt |
|                      |                | %               | cm        | %                                   | %      | dt/ha | %     | dt/ha | %            | dt/ha        |                            |                               |
| Faith                | 190            | 5,5             | 241       | 2,7                                 | ---    | ---   | 89,4  | 109,9 | <b>48,3</b>  | <b>56,5</b>  | 31,7                       | 107                           |
| ACADEMO              | 230            | 2,8             | 243       | 15,3                                | ---    | ---   | ---   | ---   | <b>118,6</b> | <b>138,8</b> | 25,2                       | 85                            |
| ES Yakari            | 230            | 1,3             | 226       | 2,7                                 | 91,0   | 122,5 | 68,3  | 84,0  | <b>114,5</b> | <b>134,0</b> | 26,5                       | 90                            |
| AROLDO               | 240            | 0,0             | 225       | 11,0                                | ---    | ---   | 83,1  | 102,3 | <b>96,6</b>  | <b>113,0</b> | 26,6                       | 90                            |
| Sagsi                | 240            | 4,5             | 223       | 34,2                                | ---    | ---   | 93,7  | 115,3 | <b>109,7</b> | <b>128,4</b> | 24,7                       | 84                            |
| DieSERENA            | 250            | 7,2             | 230       | 4,3                                 | ---    | ---   | ---   | ---   | <b>93,9</b>  | <b>109,8</b> | 28,3                       | 96                            |
| MICHELEEN            | 250            | 4,5             | 233       | 16,4                                | 93,4   | 125,8 | 104,1 | 128,1 | <b>129,1</b> | <b>151,1</b> | 26,8                       | 91                            |
| P7737                | 250            | 2,8             | 228       | 7,1                                 | ---    | ---   | ---   | ---   | <b>106,3</b> | <b>124,4</b> | 26,0                       | 88                            |
| DKC3152              | 260            | 0,0             | 234       | 9,8                                 | ---    | ---   | ---   | ---   | <b>102,6</b> | <b>120,0</b> | 26,1                       | 88                            |
| EDORO                | 260            | 1,4             | 220       | 4,2                                 | ---    | ---   | ---   | ---   | <b>120,0</b> | <b>140,4</b> | 26,1                       | 88                            |
| LG 31.241            | 260            | 0,0             | 239       | 15,4                                | ---    | ---   | ---   | ---   | <b>131,0</b> | <b>153,3</b> | 28,6                       | 97                            |
| P7818                | 260            | 2,7             | 221       | 5,4                                 | 98,0   | 132,0 | 101,6 | 125,0 | <b>109,5</b> | <b>128,1</b> | 26,2                       | 88                            |
| ATLANTICO            | 270            | 1,4             | 211       | 11,2                                | 108,8  | 146,4 | 92,7  | 114,0 | <b>146,4</b> | <b>171,3</b> | 27,6                       | 93                            |
| BRV2198B             | 270            | 0,0             | 204       | 8,1                                 | ---    | ---   | ---   | ---   | <b>105,8</b> | <b>123,8</b> | 27,6                       | 93                            |
| CABALIO              | 270            | 1,3             | 236       | 5,4                                 | ---    | ---   | ---   | ---   | <b>134,3</b> | <b>157,2</b> | 28,7                       | 97                            |
| GREATFUL             | ca. 270        | 1,4             | 204       | 5,6                                 | ---    | ---   | ---   | ---   | <b>127,4</b> | <b>149,0</b> | 30,7                       | 104                           |
| P83462               | 270            | 0,0             | 218       | 7,8                                 | ---    | ---   | ---   | ---   | <b>121,3</b> | <b>141,9</b> | 28,8                       | 97                            |
| Versuchsdurchschnitt |                | 0,9             | 219       | 3,3                                 | 100,0  | 134,6 | 100,0 | 123,0 | <b>100,0</b> | <b>117,0</b> | 29,6                       | 100                           |

**Versuchsergebnis – Tabellenteil RZ 280-360**

| Sorte                | Reife-<br>zahl | Maisbeulenbrand | Wuchshöhe | unter Kolben<br>unterbrochene Pflanzen | Ertrag |       |       |       |              |              | Feuchtig-<br>keit 2025     |                               |
|----------------------|----------------|-----------------|-----------|----------------------------------------|--------|-------|-------|-------|--------------|--------------|----------------------------|-------------------------------|
|                      |                |                 |           |                                        | 2023   |       | 2024  |       | 2025         |              | absolut % H <sub>2</sub> O | rel. in % vom<br>Durchschnitt |
|                      |                |                 |           |                                        | %      | dt/ha | %     | dt/ha | %            | dt/ha        |                            |                               |
| AMIGO                | 280            | 1,4             | 228       | 0,0                                    | ---    | ---   | ---   | ---   | <b>98,7</b>  | <b>115,5</b> | 27,3                       | 92                            |
| SM P1412             | 280            | 0,0             | 205       | 0,0                                    | ---    | ---   | ---   | ---   | <b>99,4</b>  | <b>116,3</b> | 30,2                       | 102                           |
| EY3430               | 290            | 1,3             | 209       | 0,0                                    | ---    | ---   | ---   | ---   | <b>94,2</b>  | <b>110,2</b> | 26,3                       | 89                            |
| EY3747               | 290            | 1,5             | 216       | 0,0                                    | ---    | ---   | ---   | ---   | <b>92,5</b>  | <b>108,2</b> | 29,3                       | 99                            |
| Kingstone            | 290            | 0,0             | 215       | 0,0                                    | 103,8  | 139,8 | 102,7 | 126,4 | <b>80,1</b>  | <b>93,8</b>  | 28,8                       | 97                            |
| KWS ARTURELLO        | 290            | 0,0             | 224       | 0,0                                    | ---    | ---   | 96,5  | 118,7 | <b>91,1</b>  | <b>106,6</b> | 28,6                       | 97                            |
| KXC0341              | ca. 290        | 0,0             | 234       | 0,0                                    | ---    | ---   | ---   | ---   | <b>101,6</b> | <b>118,9</b> | 30,6                       | 104                           |
| KXC3144              | ca. 290        | 0,0             | 215       | 0,0                                    | ---    | ---   | ---   | ---   | <b>99,9</b>  | <b>116,9</b> | 31,0                       | 105                           |
| KWS GALAO            | ca. 290        | 0,0             | 223       | 0,0                                    | ---    | ---   | ---   | ---   | <b>94,1</b>  | <b>110,1</b> | 28,5                       | 96                            |
| Vianney              | 290            | 0,0             | 220       | 0,0                                    | ---    | ---   | 91,8  | 113,0 | <b>90,3</b>  | <b>105,7</b> | 32,0                       | 108                           |
| APRIOLO              | 300            | 0,0             | 220       | 1,4                                    | ---    | ---   | 91,4  | 112,5 | <b>74,1</b>  | <b>86,7</b>  | 30,4                       | 103                           |
| CHEERFUL             | ca. 300        | 2,9             | 219       | 1,4                                    | ---    | ---   | ---   | ---   | <b>79,4</b>  | <b>93,0</b>  | 33,6                       | 114                           |
| DieSANTANA           | 300            | 0,0             | 206       | 0,0                                    | ---    | ---   | ---   | ---   | <b>96,7</b>  | <b>113,2</b> | 29,8                       | 101                           |
| Finegan              | 300            | 0,0             | 211       | 1,4                                    | 107,0  | 144,1 | 98,8  | 121,6 | <b>90,4</b>  | <b>105,7</b> | 30,3                       | 103                           |
| KWS KADURO           | 300            | 0,0             | 215       | 0,0                                    | 112,9  | 152,0 | 115,4 | 142,0 | <b>88,9</b>  | <b>104,0</b> | 30,4                       | 103                           |
| KXC4201              | ca. 300        | 0,0             | 211       | 0,0                                    | ---    | ---   | ---   | ---   | <b>100,5</b> | <b>117,6</b> | 30,9                       | 104                           |
| Pilgrim              | 300            | 0,0             | 214       | 0,0                                    | ---    | ---   | ---   | ---   | <b>73,2</b>  | <b>85,7</b>  | 38,0                       | 128                           |
| RGT KEPOXX           | ca. 300        | 0,0             | 203       | 0,0                                    | ---    | ---   | ---   | ---   | <b>83,5</b>  | <b>97,7</b>  | 30,0                       | 102                           |
| P8436                | 310            | 0,0             | 211       | 0,0                                    | 107,3  | 144,5 | 103,6 | 127,5 | <b>92,4</b>  | <b>108,2</b> | 29,3                       | 99                            |
| ADORNO               | 320            | 0,0             | 203       | 0,0                                    | ---    | ---   | ---   | ---   | <b>77,0</b>  | <b>90,0</b>  | 29,2                       | 99                            |
| AMARONE              | ca. 320        | 0,0             | 221       | 0,0                                    | 107,8  | 145,2 | 103,4 | 127,2 | <b>85,8</b>  | <b>100,4</b> | 30,4                       | 103                           |
| DKC3856              | 320            | 0,0             | 215       | 1,4                                    | ---    | ---   | ---   | ---   | <b>98,3</b>  | <b>115,0</b> | 28,2                       | 95                            |
| EY3835               | 320            | 0,0             | 204       | 0,0                                    | ---    | ---   | ---   | ---   | <b>77,6</b>  | <b>90,9</b>  | 30,0                       | 101                           |
| MAS 220.V            | 320            | 0,0             | 208       | 0,0                                    | ---    | ---   | ---   | ---   | <b>73,1</b>  | <b>85,5</b>  | 29,1                       | 98                            |
| Oklahoma             | 320            | 0,0             | 215       | 0,0                                    | ---    | ---   | ---   | ---   | <b>100,6</b> | <b>117,7</b> | 31,7                       | 107                           |
| MAS 335.I            | 330            | 0,0             | 225       | 0,0                                    | ---    | ---   | ---   | ---   | <b>102,2</b> | <b>119,5</b> | 32,8                       | 111                           |
| P8834                | 330            | 0,0             | 209       | 0,0                                    | 109,6  | 147,6 | 113,4 | 139,6 | <b>111,9</b> | <b>130,9</b> | 31,2                       | 105                           |
| AUXKAR               | 350            | 0,0             | 216       | 0,0                                    | ---    | ---   | ---   | ---   | <b>93,4</b>  | <b>109,3</b> | 30,6                       | 103                           |
| DieSARAH             | 350            | 0,0             | 216       | 0,0                                    | ---    | ---   | ---   | ---   | <b>77,8</b>  | <b>91,0</b>  | 32,0                       | 108                           |
| DieSELINA            | 350            | 0,0             | 236       | 2,8                                    | ---    | ---   | ---   | ---   | <b>110,2</b> | <b>128,9</b> | 31,9                       | 108                           |
| DKC4253              | 350            | 0,0             | 213       | 0,0                                    | ---    | ---   | ---   | ---   | <b>106,9</b> | <b>125,1</b> | 32,0                       | 108                           |
| KWS ARTESIO          | 350            | 1,4             | 214       | 1,4                                    | ---    | ---   | 115,0 | 141,5 | <b>108,6</b> | <b>127,1</b> | 31,8                       | 108                           |
| P89699               | 350            | 0,0             | 211       | 0,0                                    | ---    | ---   | ---   | ---   | <b>117,0</b> | <b>136,9</b> | 32,6                       | 110                           |
| P92440               | ca. 350        | 2,9             | 223       | 0,0                                    | ---    | ---   | ---   | ---   | <b>118,4</b> | <b>138,5</b> | 30,0                       | 101                           |
| WINTERSTONE          | 350            | 1,4             | 221       | 0,0                                    | ---    | ---   | 102,6 | 126,2 | <b>104,6</b> | <b>122,4</b> | 31,9                       | 108                           |
| DieSELMA             | 360            | 0,0             | 231       | 0,0                                    | ---    | ---   | ---   | ---   | <b>100,3</b> | <b>117,4</b> | 31,0                       | 105                           |
| Versuchsdurchschnitt |                | 0,9             | 219       | 3,3                                    | 100,0  | 134,6 | 100,0 | 123,0 | <b>100,0</b> | <b>117,0</b> | 29,6                       | 100                           |

## Versuchsergebnis – Abbildungen

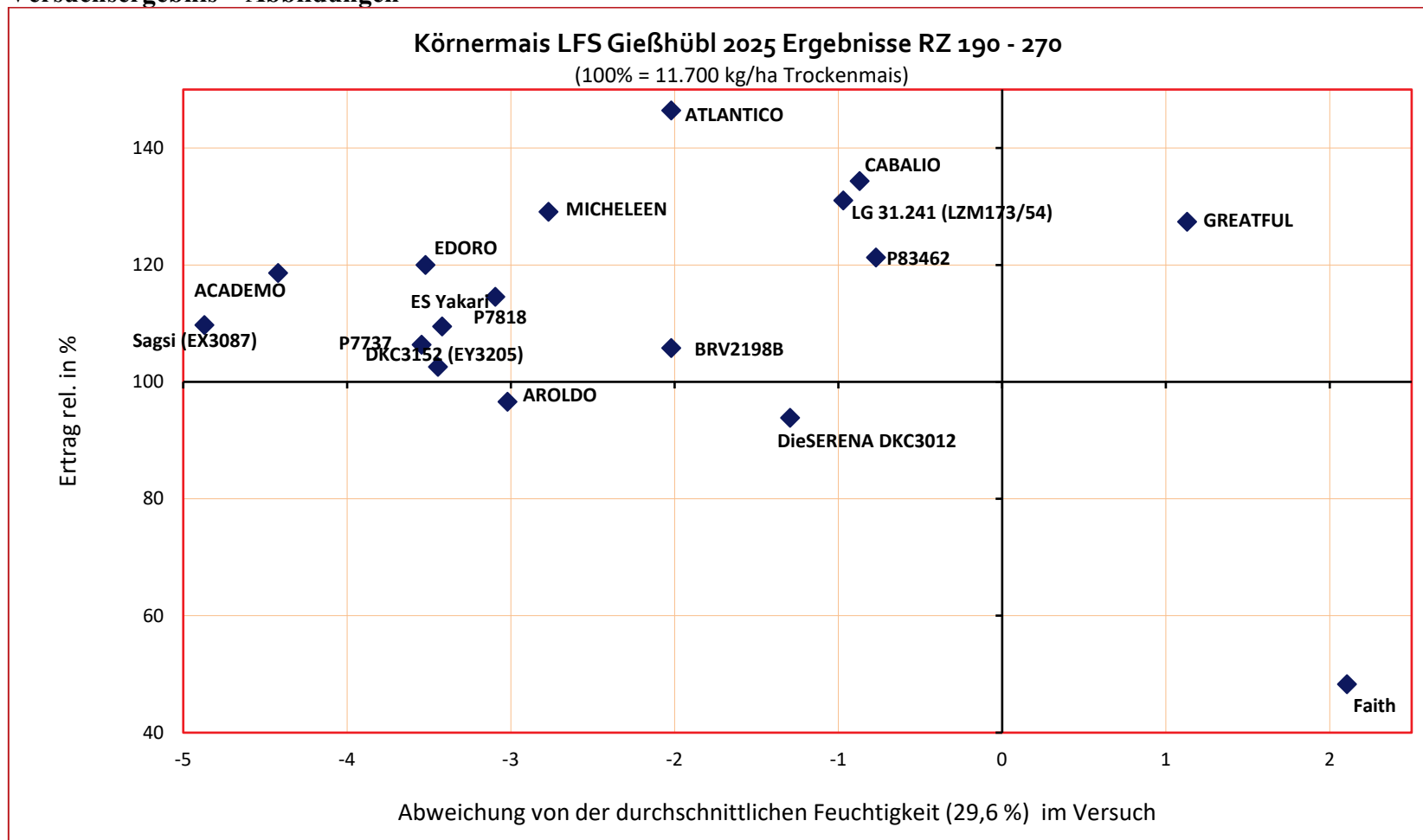


Abbildung 1: Körnermais RZ 190-270, 2025

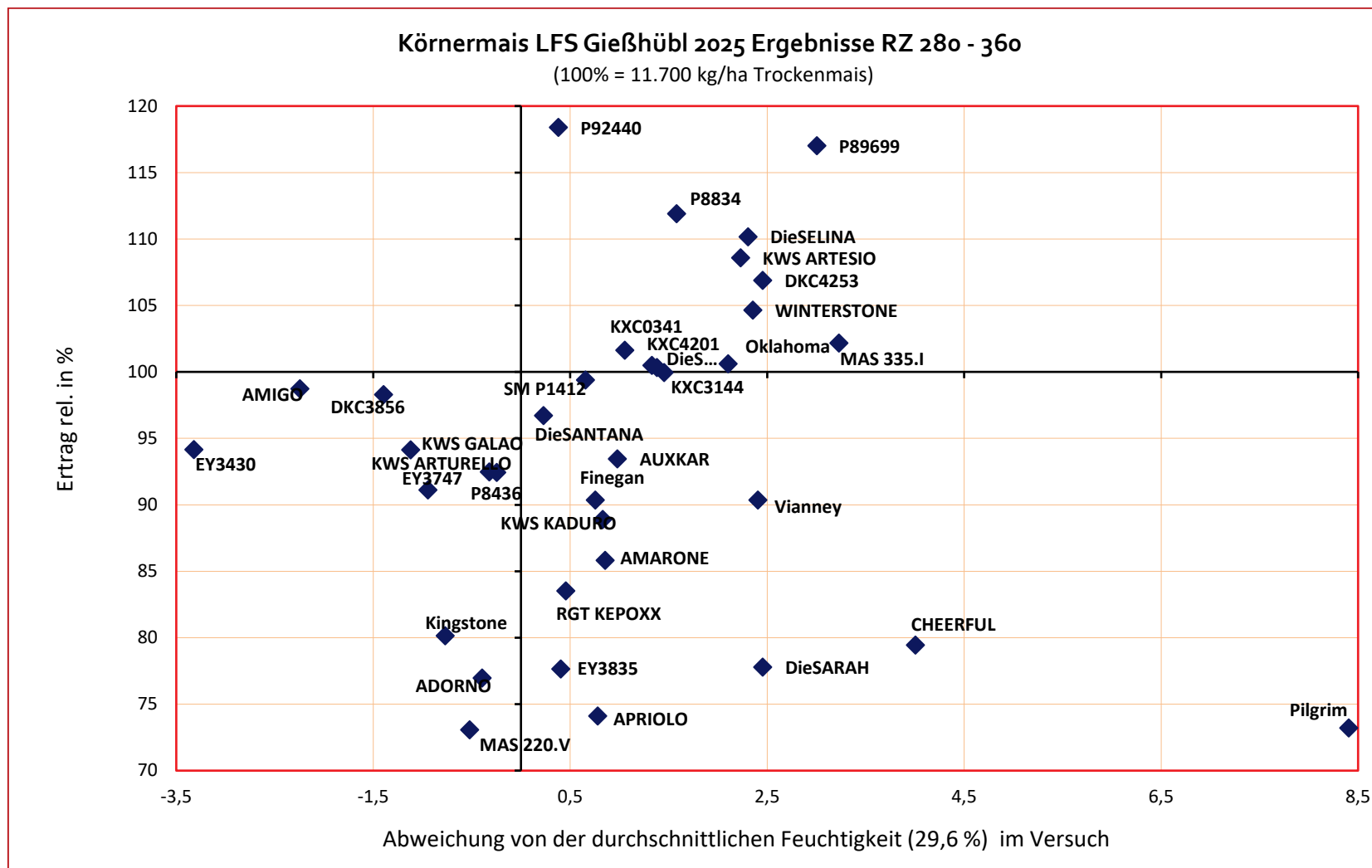


Abbildung 2: Körnermais RZ 280-360, 2025