# Variety Data

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variety** | **Number**  **Plants** | **Number**  **Flowered** | **Percent**  **Flowered** | **In**  **Experiment?** | **Mean Budburst Date** |
| Alicante Bouschet | 7 | 0 | 0 | N | 13.90577701 |
| Aligote | 6 | 0 | 0 | N | 13.32480202 |
| Auxerrois | 5 | 1 | 20 | N | 13.9534995 |
| Barbera | 9 | 1 | 11.11111111 | N | 12.42439584 |
| Cabernet franc | 7 | 0 | 0 | N | 13.84282667 |
| Cabernet Sauvignon | 9 | 1 | 11.11111111 | Y | 14.70570969 |
| Calzin | 5 | 3 | 60 | N | 14.66366038 |
| Carmenere | 8 | 0 | 0 | Y | 15.55223647 |
| Carnelian | 9 | 3 | 33.33333333 | N | 11.59739021 |
| Chardonnay | 7 | 0 | 0 | Y | 13.27202255 |
| Chasselas doree | 7 | 0 | 0 | Y | 11.70141943 |
| Cinsault | 7 | 0 | 0 | Y | 16.36545183 |
| Coda di Volpe | 5 | 0 | 0 | N | 15.02306213 |
| Counoise | 9 | 0 | 0 | N | 17.88661987 |
| Dolcetto | 7 | 1 | 14.28571429 | Y | 14.67593836 |
| Durif | 15 | 6 | 40 | Y | 13.47568268 |
| Early Muscat | 6 | 0 | 0 | N | 11.74416829 |
| Furmint | 8 | 0 | 0 | Y | 14.97641002 |
| Gamay Noir | 8 | 4 | 50 | N | 12.87555823 |
| Gewurztraminer | 9 | 1 | 11.11111111 | Y | 12.45307628 |
| Gruner Veltiner | 7 | 0 | 0 | N | 14.86512484 |
| July Muscat | 5 | 0 | 0 | N | 11.20999857 |
| Macabeo | 6 | 0 | 0 | Y | 15.65572537 |
| Marsanne | 9 | 2 | 22.22222222 | N | 14.2368048 |
| Melon | 5 | 0 | 0 | N | 14.32830313 |
| Merlot | 6 | 0 | 0 | Y | 13.94825499 |
| Morrastel | 6 | 0 | 0 | N | 15.71067531 |
| Nebbiolo | 6 | 0 | 0 | Y | 13.6417069 |
| Palomino | 4 | 0 | 0 | Y | 14.87955351 |
| Pinot gris | 8 | 1 | 12.5 | N | 13.89299853 |
| Pinot Meunier | 6 | 3 | 50 | N | 13.73747328 |
| Pinotage | 5 | 3 | 60 | N | 10.7102415 |
| Refosco | 6 | 0 | 0 | N | 14.52280194 |
| Rkatsiteli | 5 | 0 | 0 | Y | 16.30820068 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variety** | **Number**  **Plants** | **Number**  **Flowered** | **Percent**  **Flowered** | **In**  **Experiment?** | **Mean Budburst Date** |
| Rotgipfler | 7 | 1 | 14.28571429 | N | 14.4536252 |
| Roussanne | 6 | 0 | 0 | N | 16.77879992 |
| Ruby Cabernet | 8 | 4 | 50 | N | 15.75792645 |
| Ruby Seedless | 6 | 0 | 0 | N | 16.00731428 |
| Sangiovese | 7 | 0 | 0 | Y | 13.06463094 |
| Sauvignon blanc | 7 | 3 | 42.85714286 | Y | 15.75054996 |
| Schiopettino | 8 | 0 | 0 | N | 14.68581677 |
| Syrah | 8 | 1 | 12.5 | Y | 13.78461575 |
| Szagos feher | 7 | 1 | 14.28571429 | N | 13.51749972 |
| Tempranillo | 12 | 5 | 41.66666667 | Y | 14.63416892 |
| Tocai Friulano | 5 | 1 | 20 | N | 16.64069008 |
| Ugni blanc/Trebbiano | 5 | 0 | 0 | Y | 18.40547719 |
| Verdelho | 6 | 5 | 83.33333333 | N | 11.08427436 |
| Viognier | 8 | 0 | 0 | Y | 14.42165669 |
| Zinfandel/Primitivo | 6 | 0 | 0 | Y | 15.01516845 |

# RMI and Greenhouse Budburst



ghrmi\_vars\_noarrows

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RMI/GH | F | DF | Estimate | Std Error | P |
| budburst | 14.55 | 1,47 | 0.8678 | 0.2275 | 0.0003977 |

# RMI and Greenhouse Leafout



ghrmi\_vars\_noarrows

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| RMI/GH | F | DF | Estimate | Std Error | P |
| leafout | 18.91 | 1,47 | 0.9588 | 0.2205 | 0.00007307 |

# Spur Diameter Predicting 50% Flowering



gh\_loghistfin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Prob of flowering (50%)  based on spur size | Estimate | Std Error | Z value | PR () | DF |
|  | 0.4273 | 0.1502 | 2.208 | 0.0273 | 340 |
|  |  |  |  |  |  |

# Soil Moisture

chamber\_smfin

|  |  |  |
| --- | --- | --- |
| Mean soil moisture | continuous | |
|  | **F** | 8.0541 |
|  | **P** | 0.009089 |
|  | **DF** | 1,24 |

# Days until 10% Flowering

chamber\_10percfin

|  |  |  |
| --- | --- | --- |
| Days to 10% flowering | continuous | |
|  | **F** | 0.4324 |
|  | **P** | 0.5183 |
|  | **DF** | 1,20 |

# Days Until 50% Flowering

chamber\_50percfin

|  |  |  |
| --- | --- | --- |
| Days to 50% flowering | continuous | |
|  | **F** | 0.4987 |
|  | **P** | 0.4909 |
|  | **DF** | 1,15 |

# Change in Stem Length

chamber\_stemlenfin

|  |  |  |
| --- | --- | --- |
| Max change in stem length | continuous | |
|  | **F** | 0.5347 |
|  | **P** | 0.4717 |
|  | **DF** | 1,24 |

# Changing in Leaf Number

chamber\_leafnumfin

|  |  |  |
| --- | --- | --- |
| Max change in leaf number | continuous | |
|  | **F** | 0.0455 |
|  | **P** | 0.8329 |
|  | **DF** | 1,24 |

# Number of Flower Buds Aborted

chamber\_bagbudsfin

|  |  |  |
| --- | --- | --- |
| Sum of fallen buds | continuous | |
|  | **F** | 7.4285 |
|  | **P** | 0.01179 |
|  | **DF** | 1,24 |