Supplement 1: Survival rates [%] of the different cultivars included into this study at the end of the first season

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cultivar | Almaty | Bishkek I | Bishkek II | Jalalabad | Osh | Lavar | Tup | Khorog | Naryn | Mean survival rate by cultivar across all sites |
| Mirza Terek |  |  | 68 | 67 | 42 | 100 | 19 |  |  | 59 |
| Pyramidalis |  |  |  |  |  |  |  | 64 |  | 64 |
| Samsun |  |  | 87 | 87 |  |  | 73 |  |  | 82 |
| 89M060 |  |  | 93 | 47 |  |  | 47 |  |  | 62 |
| Oudenberg | 87 | 73 | 32 | 39 | 12 | 90 | 5 | 64 | 63 | 52 |
| Orion | 77 | 100 | 3 | 0 | 31 | 82 | 0 | 68 | 87 | 50 |
| H-8 | 85 | 89 | 10 | 0 | 40 | 80 | 0 | 68 | 83 | 51 |
| H-11 | 85 | 88 | 5 | 9 | 13 | 95 | 0 | 14 | 17 | 36 |
| H-17 | 31 |  | 7 | 0 | 61 | 65 | 0 | 36 | 100 | 38 |
| H-33 | 31 |  | 5 | 10 | 20 | 60 | 5 | 32 | 20 | 23 |
| Tielpolo |  |  | 20 | 80 |  |  | 0 |  |  | 33 |
| Bellini |  |  | 100 | 7 |  |  | 47 |  |  | 51 |
| Veronese |  |  | 93 | 67 |  |  | 29 |  |  | 63 |
| Vesten | 47 | 90 |  |  | 16 |  |  |  | 65 | 54 |
| Kazakhstani |  |  | 55 | 43 | 53 |  | 20 |  |  | 43 |
| Kyzyl Tan |  |  |  |  |  | 55 |  |  |  | 55 |
| H-275 | 50 | 73 | 39 | 40 | 55 | 45 | 30 | 18 | 92 | 49 |
| Matrix-11 | 80 | 76 | 60 | 10 | 43 | 60 | 48 | 14 | 77 | 52 |
| Matrix-49 | 40 |  |  |  |  |  |  |  |  | 40 |
| Matrix-24 | 71 |  |  |  |  |  |  |  |  | 71 |
| Fastwood 1 |  |  | 78 | 67 |  |  | 57 | 64 |  | 66 |
| Fastwood 2 |  |  | 76 | 40 |  |  | 30 | 77 |  | 56 |
| Max-3 | 100 | 91 | 73 | 45 | 27 | 55 | 56 | 82 | 80 | 68 |
| Max-4 | 94 | 88 |  |  | 31 |  |  |  | 96 | 77 |
| Max-1 | 94 |  |  |  |  |  |  |  |  | 94 |
| Muhle-Larsen | |  | 15 | 0 |  | 0 | 5 | 27 |  | 10 |
| FrItzi Pauley | 87 | 85 | 79 | 57 | 28 | 0 | 40 | 64 | 71 | 57 |
| Trichobel | 82 | 73 | 50 | 28 | 0 | 90 | 31 | 73 | 0 | 47 |
| Ozolin |  |  | 29 | 7 |  |  | 0 |  |  | 12 |
| *P. pamirica* | |  |  |  |  |  |  | 14 |  | 14 |
| *P. simonii* |  |  | 0 | 0 |  |  | 10 |  |  | 3 |
|  |  |  |  |  |  |  |  |  |  |  |
| Mean survival rate per site across all cultivars | 71 | 84 | 47 | 32 | 31 | 63 | 24 | 49 | 65 |  |