Table S1. Dates of shoot topping and corresponding exact phenological stages (BBCH code according to Lorenz et al. (1995)) in different treatments between 2013 and 2018.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2013** | | **2014** | | **2015** | | **2016** | | **2017** | | **2018** | |
| **Treatment\*** | **Date** | **BBCH** | **Date** | **BBCH** | **Date** | **BBCH** | **Date** | **BBCH** | **Date** | **BBCH** | **Date** | **BBCH** |
| **SMPH ST 1** | 21/06 | 57 | 03/06 | 55-57 | 09/06 | 57 | 10/06 | 57 | 30/05 | 57 | 31/05 | 57 |
| **SMPH ST 2** | 28/06 | 61 | 10/06 | 64 | 15/06 | 64 | 22/06 | 61 | 06/06 | 62 | 03/06 | 63 |
| **SMPH ST 3** | 05/07 | 67 | 16/06 | 71 | 18/06 | 68 | 29/06 | 69 | 13/06 | 69 | 05/06 | 68 |
| **SMPH ST 4** | 12/07 | 73 | 26/06 | 73 | 25/06 | 71-73 | 05/07 | 73 | 21/06 | 73 | 12/06 | 73 |
| **VSP** | 12/07 | 73 | 26/06 | 73 | 25/06 | 71-73 | 05/07 | 73 | 21/06 | 73 | 12/06 | 73 |
| **SMPH MT 1** | 12/07 | 73 | 26/06 | 73 | 25/06 | 71-73 | 05/07 | 73 | 21/06 | 73 | 12/06 | 73 |
| **SMPH MT 2** | 12/07 | 73 | 26/06 | 73 | 25/06 | 71-73 | 05/07 | 73 | 21/06 | 73 | 12/06 | 73 |

**\* SMPH= semi-minimal pruned hedge, ST= shoot topping, VSP= vertical shoot positioning, MT= mechanical thinning.**