

**Supplementary Table 1.** Number of seeds per replica and replicates (individual seed packets) used in germination tests and average moisture contents (MC) of seeds from the four replicates used for biochemical analysis. The seeds from 2021 were analysed within weeks of purchase and represent seeds with ‘0 years storage’ in Figures.

<i>Helianthus cucumerifolius</i>	<b>Year</b>	<b>1997</b>	<b>2009</b>	<b>2011</b>	<b>2013</b>	<b>2015</b>	<b>2017</b>	<b>2021</b>					
	Seeds / replica	30	50	50	50	50	50	50					
	Replicates	1	4	3	4	4	1	4					
	MC (g H <sub>2</sub> O g <sup>-1</sup> DW)	0.031	0.030	0.032	0.033	0.036	0.037	0.036					
<i>Phaseolus vulgaris</i> var. <i>Brittelwax</i>	<b>Year</b>	<b>2004</b>	<b>2005</b>	<b>2010</b>	<b>2011</b>	<b>2013</b>	<b>2014</b>	<b>2021</b>					
	Seeds used	50	50	50	50	50	50	50					
	Replicates	1	1	1	1	1	1	2					
	MC (g H <sub>2</sub> O g <sup>-1</sup> DW)	0.040	0.043	0.036	0.043	0.038	0.036	0.043					
<i>Cucumis sativus</i> <i>var Chinese Slangen</i>	<b>Year</b>	<b>2007</b>	<b>2009</b>	<b>2011</b>	<b>2013</b>	<b>2015</b>	<b>2017</b>	<b>2021</b>					
	Seeds used	50	50	50	50	50	50	50					
	Replicates	2	2	4	2	4	1	4					
	MC (g H <sub>2</sub> O g <sup>-1</sup> DW)	0.036	0.035	0.035	0.036	0.035	0.033	0.034					
<i>Daucus carota</i> var. <i>Rotin (R)</i> / var. <i>Nantes 2 (N)</i>	<b>Year</b> <b>var.</b>	<b>2010 (R)</b>	<b>2012 (N)</b>	<b>2020 (R)</b>	<b>2021 (N)</b>								
	Seeds used	50	50	50	50								
	Replicates	2	4	4	4								
	MC (g H <sub>2</sub> O g <sup>-1</sup> DW)	0.035	0.026	0.036	0.044								
<i>Raphanus sativus</i> var. <i>sativus</i>	<b>Year</b>	<b>1995</b>	<b>2001</b>	<b>2002</b>	<b>2004</b>	<b>2007</b>	<b>2009</b>	<b>2011</b>	<b>2013</b>	<b>2015</b>	<b>2017</b>	<b>2021</b>	
	Seeds used	50	50	50	50	50	50	50	50	50	50	50	
	Replicates	3	1	4	4	4	4	4	4	4	4	4	
	MC (g H <sub>2</sub> O g <sup>-1</sup> DW)	0.025	0.026	0.025	0.026	0.024	0.028	0.027	0.024	0.030	0.027	0.025	
<i>Raphanus sativus</i> var. <i>niger</i>	<b>Year</b>	<b>1992</b>	<b>1995</b>	<b>1997</b>	<b>1998</b>	<b>2002</b>	<b>2009</b>	<b>2011</b>	<b>2013</b>	<b>2015</b>	<b>2021</b>		
	Seeds used	50	50	50	50	50	50	50	50	50	50		
	Replicates	1	1	1	1	2	2	2	2	2	2		
	MC (g H <sub>2</sub> O g <sup>-1</sup> DW)	0.031	0.031	0.031	0.030	0.028	0.033	0.033	0.031	0.030	0.034		
<i>Lepidium sativum</i>	<b>Year</b>	<b>1996</b>	<b>2004</b>	<b>2005</b>	<b>2009</b>	<b>2011</b>	<b>2014</b>	<b>2015</b>	<b>2017</b>	<b>2021</b>			
	Seeds used	50	50	50	50	50	50	50	50	50			
	Replicates	4	4	4	4	4	4	4	4	4			
	MC (g H <sub>2</sub> O g <sup>-1</sup> DW)	0.041	0.040	0.042	0.041	0.041	0.042	0.043	0.042	0.043			
<i>Lactuca sativa</i> var. <i>American brown</i>	<b>Year</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2009</b>	<b>2011</b>	<b>2013</b>	<b>2015</b>	<b>2017</b>	<b>2021</b>			
	Seeds used	200	200	200	200	200	200	200	200	200			
	Replicates	4	4	4	4	4	4	4	4	4			
	MC (g H <sub>2</sub> O g <sup>-1</sup> DW)	0.034	0.033	0.035	0.036	0.036	0.036	0.035	0.036	0.034			