SUPPLEMENTARY DATA
Molitor, D., Schultz, M., Dam, D., Pallez-Barthel, M., Friedel, M., & Beyer, M. (2022). Partial double-pruning after bloom delays bunch rot epidemics in *Vitis vinifera* L. cvs. Riesling and Pinot gris. *OENO One*, *56*(3).
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Supplemental Material

TABLE S1. Parameters describing the disease progress plotted against the time according to the sigmoidal equation type $y = 100 / (1 + e^{-((x-x0)/b)})$. Independent variable: Day of the year (DOY). R^2 = coefficient of determination, b = slope factor of the curve, x_0 = inflection point of the curve.

Year	Cultivar	Treatment	R^2	Sig.	b	x_0
2016	**Pinot gris**	**Control**	0.996	0.0019	8.5	306.3
		PDP	0.998	0.0008	9.0	313.0
	Riesling	**Control**	0.988	< 0.0001	8.8	300.7
		PDP	0.964	0.0005	8.7	310.1
2017	**Pinot gris**	**Control**	0.986	0.0072	13.2	282.8
		PDP	1.000	0.0002	12.7	289.4
	Riesling	**Control**	0.997	0.0014	7.9	273.2
		PDP	0.990	0.0053	6.7	277.9
2018	**Pinot gris**	**Control**	0.996	< 0.0001	8.0	292.2
		PDP	0.996	< 0.0001	7.0	299.6
	Riesling	**Control**	0.947	0.0011	12.0	299.2
		PDP	0.979	0.0002	10.2	307.0
2019	**Pinot gris**	**Control**	0.990	< 0.0001	15.0	290.8
		PDP	0.987	< 0.0001	9.7	288.6
	Riesling	**Control**	0.999	< 0.0001	5.5	284.8
		PDP	1.000	< 0.0001	6.6	288.3
2020	**Pinot gris**	**Control**	0.999	< 0.0001	9.0	303.7
		PDP	0.986	< 0.0001	9.8	315.5
	Riesling	**Control**	0.995	< 0.0001	8.2	302.0
		PDP	0.993	< 0.0001	6.0	307.0

Sigmoidal disease progress curves demonstrated highly significant correlations in all years for both cultivars and both treatments. Coefficients of determination (R^2) of sigmoidal equations [$y = 100 / (1 + e^{-((x-x0)/b)})$] ranged from 0.95 to 1 with P-values between <0.0001 and 0.005 (Figure 1; Supplementary Table 1).

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TABLE S2. Calculated dates (day of the year (DOY)) reaching a bunch rot disease severity of 5 % in the years 2016 to 2020 as well as deviations (Δ) between the DOY reaching 5 % disease severity in the treatment in a specific year and the DOY reaching 5 % disease severity in the control in the same year in the same cultivar. Average (2016 to 2020) deviations marked in bold font differ significantly.

Pinot gris	Treatment	2016	Δ	2017	Δ	2018	Δ	2019	Δ	2020	Δ	Average Δ	Sig.
	Control	281.3		243.9		268.7		246.6		277.1			
	PDP	286.4	5.1	251.9	8.0	278.8	10.2	260.1	13.5	286.7	9.6	**10.3**	**0.003**
Riesling	**Control**	274.8		250.1		263.7		268.5		277.9			
	PDP	284.4	9.6	258.2	8.1	277.0	13.2	258.8	0.2	289.4	11.5	**8.3**	**0.019**

Calculated dates (DOY) reaching a disease severity of 5% were delayed in the PDP treatment compared to the control in both the cultivars for all five years. The deviations (Δ) between the DOY reaching 5 % disease severity in PDP treatment vs. control were significant in both cultivars according to the Welch *t*-test (Supplementary Table 2).

TABLE S3. Average values of the marketable yield, the non-marketable yield, the total yield, the proportion of the non-marketable yield on the total yield and the total soluble solids at harvest from 2016 to 2020, as well as average normalised values. Significantly different values (n = 4, Sig. ≤ 0.05) are marked in bold font.

Parameter	Cultivar	Treatment	2016	2017	2018	2019	2020	Average normalised value
Marketable yield (healthy) (kg/plant)	**Pinot Gris**	**Control**	3.1	1.6	3.9	**0.9**	4.7	1.00
		PDP	3.2	1.8	3.5	**0.7**	4.2	0.95
		Sig.	0.935	0.544	0.362	**0.024**	0.530	0.437
	Riesling	**Control**	2.7	1.8	3.0	0.8	**4.7**	1.00
		PDP	2.4	2.0	2.6	0.8	**4.3**	0.90
		Sig.	0.486	0.392	0.186	1.00	**0.000**	0.289
Non-marketable yield (rotten) (kg/plant)	**Pinot Gris**	**Control**	0.1	0.4	**0.1**	**0.5**	0.6	**1.00**
		PDP	0.1	0.4	**0.0**	**0.3**	0.2	**0.53**
		Sig.	0.440	0.904	**0.028**	**0.029**	0.117	**0.023**
	Riesling	**Control**	**0.8**	0.6	**0.1**	0.4	**0.6**	**1.00**
		PDP	**0.2**	0.4	**0.0**	0.3	**0.1**	**0.41**

		Sig.	**0.012**	0.085	**0.028**	0.296	**0.012**	**0.005**
Total yield (kg/plant)	**Pinot Gris**	**Control**	3.3	2.0	4.0	**1.4**	5.3	1.00
		PDP	3.3	2.2	3.5	**0.9**	4.4	0.90
		Sig.	0.987	0.598	0.296	**0.005**	0.263	0.244
	Riesling	**Control**	3.5	2.4	3.2	1.3	**5.4**	1.00
		PDP	2.6	2.4	2.6	1.1	**4.4**	0.81
		Sig.	0.144	0.885	0.121	0.686	**0.000**	0.057
Proportion non-marketable yield	**Pinot Gris**	**Control**	0.04	0.21	0.02	0.36	0.11	**1.00**
		PDP	0.03	0.19	0.01	0.28	0.04	**0.59**
		Sig.	0.193	0.553	0.089	0.154	0.146	**0.021**
	Riesling	**Control**	**0.22**	0.26	**0.04**	0.33	0.11	**1.00**
		PDP	**0.09**	0.16	**0.01**	0.24	0.04	**0.47**
		Sig.	**0.016**	0.110	**0.036**	0.215	0.051	**0.005**
Total soluble solids at harvest date (Brix)	**Pinot Gris**	**Control**	22.2	20.4	23.1	21.4	20.4	1.00

	PDP	22.0	21.1	23.0	22.0	20.1	1.01
	Sig.	0.599	0.411	0.888	0.388	0.619	0.552
Riesling	**Control**	18.9	19.6	21.3	19.6	18.9	**1.00**
	PDP	19.5	19.6	21.7	19.9	19.4	**1.02**
	Sig.	0.322	0.974	0.096	0.648	0.183	**0.025**