Table 4. Parameters learned for a conditional Gaussian Bayesian network for annual cost of fungicides applied to hop cultivar with

varying susceptibility to non-R6-virulent strains of *Podosphaera macularis*[a]

Statistic[b]	Pruning	Susceptibility to non-R6-virulent strains	Area non-R6	Mildew May	First spray date	Interval	Initial interval after change	Degree centrality	Synthetic	Nonsynthetic	Mixture	Disease incidence	Annual costs
Intercept	1.64 (0.78,2.5)[b]	1.06 (-0.51,2.63)	0.7 (0.66,0.74)	-0.01 (-0.15,0.13)	11.51 (10.06,12.96)	9.17 (7.07,11.27)	1.57 (-2.49,5.63)	0.69 (0.26,1.12)	-1.07 (-2.87,0.73)	2.48 (-0.77,5.73)	1.06 (-1.1,3.22)	-0.09 (-0.48,0.3)	21.79 (10.05,33.53)
Pruning				0.01 (-0.13,0.15)	-0.37 (-1.82,1.08)				0.27 (-1.53,2.07)	-0.62 (-3.87,2.63)		0.05 (-0.34,0.44)	
Susceptibility to non-R6-virulent strains				-0.001 (-0.13,0.13)				-0.04 (-0.47,0.39)	0.15 (-1.65,1.95)		-0.19 (-2.35,1.97)	-0.08 (-0.47,0.31)	
Area nonR6													
Mildew May						0.63 (-1.47,2.73)		0.74 (0.31,1.17)	0.18 (-1.62,1.98)	-1.21 (-4.46,2.04)	2.99 (0.83,5.15)	1.37 (0.98,1.76)	
First spray date						-0.37 (-2.47,1.73)		0.11 (-1.69,1.91)					
Interval													-0.64 (-12.38,11.1)
Initial interval after change						0.15 (-1.95,2.25)			0.03 (-1.77,1.83)	-0.13 (-3.38,3.12)		0.007 (-0.39,0.4)	
Degree centrality										3.31 (0.06,6.56)		0.25 (-0.14,0.64)	3.79 (-7.95,15.53)
Synthetic						-0.28 (-2.38,1.82)	0.01 (-0.42,0.44)						1.88 (-9.86,13.62)
Nonsynthetic						-0.25 (-2.35,1.85)							-0.71 (-12.45,11.03)
Mixture						-0.41 (-2.51,1.69)	-0.007 (-0.44,0.42)					0.05 (-0.34,0.44)	
Disease incidence													7 (-4.74,18.74)
Standard Deviation	0.44	0.8	0.02	0.07	0.74	1.07	2.07	0.22	0.92	1.66	1.1	0.2	5.99

[a] Parameter estimates are based on the square root-transformed variables as noted in the text. The 95% confidence intervals are given

parenthetically.

722   [b] Variable descriptions are given in Table 1.