Table 1: Linear regression coefficients, p values, and β coefficients for individual avriables of the best models for NEP with up to three variables without previous year's weather as adjusted coefficient of determination (adj r.^{2}) and p values for the entire model (pmod) calculated with two different methods (method 1, method 2). In method 2b, two additional temperature variables were included into the original data set of independent variables: ThawDegDays.wispr. and ThawDegDays.sumfa (see text for explanation).

Variable	Coefficient	p	β	adj. r^2	p_{mod}
Models without previous year's weather, method 1					
Intercept	134.04	0.0139	-		
SoilTemp.spring	50.24	0.0969	0.44	0.14	0.0969
Intercept	578.23	0.0139	-		
SoilTemp.spring	49.65	0.0913	0.44		
PPFD.winter	− 3.12	0.1811	− 0.34	0.20	0.1051
Intercept	712.07	0.0865	-		
SoilTemp.spring	50.32	0.0965	0.45		
PPFD.winter	− 3.82	0.1504	− 0.42		
Precip.winter	− 0.22	0.5095	− 0.18	0.16	0.1887
Models without previous year's weather, method 2a					
Intercept	291.21	0	-		
T2min.spring	51.00	0.0743	0.4739	0.16	0.0743
Intercept	69.50	0.5306	-		
T2min.spring	77.43	0.0112	0.7195		
T2min.winter	− 31.13	0.0457	− 0.5360	0.36	0.0272
Intercept	− 199.91	0.1672	-		
Precip.summer	0.77	0.0232	0.6416		
T2max.winter	− 31.89	0.0323	− 0.5884		
SoilTemp.spring	58.98	0.0279	0.5219	0.42	0.0286
Models without previous year's weather, method 2b					
Intercept	291.21	0	-		
T2min.spring	51.00	0.0743	0.4739	0.16	0.0743
Intercept	69.50	0.5306	-		
T2min.spring	77.43	0.0112	0.7195		
T2min.winter	− 31.13	0.0457	− 0.5360	0.36	0.0272
Intercept	− 464	0.0250	-		
T2max.winter	− 46.14	0.0053	− 0.8512		
Precip.summer	0.77	0.0168	0.6415		
ThawDegDays.wispr	0.88	0.0129	0.6183	0.49	0.0147

p and β are valid for each independent variable
adj. r^2 and p_{mod} are valid for the entire model

Table 2: Linear regression coefficients, p values, and β coefficients for individual avriables of the best models for NEP with up to three variables with previous year's weather as adjusted coefficient of determination (adj r.²) and p values for the entire model (pmod) calculated with two different methods (method 1, method 2). In method 2b, two additional temperature variables were included into the original data set of independent variables: ThawDegDays.wispr. and ThawDegDays.sumfa (see text for explanation).

Models with previous year's weather, method 1					
Variable	Coefficient	p	β	adj. r^2	p_{mod}
Intercept	108.77	0.0398	-		
Precip.winter– 1	0.63	0.0368	0.54	0.24	0.0368
Intercept	207.39	0.0004	-		
SoilTemp.spring	86.01	0.0042	0.76		
T2min.spring– 1	73.51	0.0082	0.68	0.50	0.0071
Intercept	583.93	0.0464	-		
SoilTemp.spring	101.96	0.0022	0.90		
T2min.spring– 1	75.93	0.0059	0.70		
PPFD.fall − 1	− 1.81	0.1708	− 0.30	0.53	0.0094

Models with previous year's weather, method 2a					
Variable	Coefficient	p	β	adj. r^2	p_{mod}
Intercept	108.77	0.0398	-		
Precip.winter– 1	0.63	0.0368	0.5422	0.24	0.0368
Intercept	207.39	0.0004	-		
SoilTemp.spring	86.01	0.0042	0.7610		
T2min.spring– 1	73.51	0.0082	0.6816	0.49	0.0070
Intercept	− 49.75	0.6743	-		
Precip.summer– 1	0.50	0.0382	0.4223		
T2min.spring– 1	64.39	0.0086	0.5969		
SoilTemp.spring	99.80	0.0007	0.8831	0.63	0.0028

Models with previous year's weather, method 2b					
Variable	Coefficient	p	β	adj. r^2	p_{mod}
Intercept	108.77	0.0398	-		
Precip.winter– 1	0.63	0.0368	0.5422	0.24	0.0368
Intercept	207.39	0.0004	-		
SoilTemp.spring	86.01	0.0042	0.7610		
T2min.spring– 1	73.51	0.0082	0.6816	0.49	0.0070
Intercept	− 49.75	0.6743	-		
Precip.summer– 1	0.50	0.0382	0.4223		
T2min.spring– 1	64.39	0.0086	0.5969		
SoilTemp.spring	99.80	0.0007	0.8831	0.63	0.0028

p and β are valid for each independent variable
adj. r^2 and p_{mod} are valid for the entire model