

Supplementary Table 1 Correlation matrixes between weather and soybean leaf blight

Variables _↓ →	Temperature	RH	Rainfall	Rainy days	Disease intensity (Weekly increase)
Temperature	1				
RH	{-0.472*} (-0.350) [-0.285]	1			
Rainfall	{-0.300} (-0.342) [-0.445]	{0.507*} (0.667*) [0.543*]	1		
Rainy days	{-0.411*} (-0.244) [-0.394]	{0.601*} (0.590*) [0.607*]	{0.496*} (0.712*) [0.515*]	1	
Disease intensity (Weekly increase)	{-0.411*} (-0.353) [-0.032]	{0.754*} (0.603*) [0.259]	{0.408*} (0.577*) [0.304]	{0.493*} (0.649*) [0.433*]	1

*Significant ($P \leq 0.05$); {preceding one week}, (preceding three weeks), [preceding 3rd week]

Supplementary Table 2 Multiple regression analysis indicating the relationship of weather with periodic disease intensity

Weather period	Equation	R ²
Preceding single week	$Y = -7.153 - 0.027X_1 + 0.160X_2 + 0.002X_3 + 0.043X_4$	0.57
Preceding three weeks	$Y = -0.429 - 0.081X_1 + 0.083X_2 + 0.002X_3 + 0.192X_4$	0.51
Preceding 3 rd week	$Y = 2.016 + 0.134X_1 - 0.026X_2 + 0.019X_3 + 0.507X_4$	0.50

where X_1 , X_2 , X_3 , X_4 and Y represent temperature, relative humidity, rainfall, number of rainy days and disease intensity, respectively.