

Table S2. The correlation values (R^2) for different curve fitting methods for GARI vegetation index for corn (country level, 30% cloud coverage threshold), where “Avg. width” is the averaging or smoothing interval width in days. (The best result is in bold.)

Avg. width	Lagrange, 2 nd degree	Lagrange, 3 rd degree	Lagrange 4 th degree	Smoothed	Cubic spline	Raw	Double- Gaussian
10	0.873	0.875	0.876	0.847	0.876	0.856	0.853
20	0.869	0.870	0.870	0.845	0.876		
30	0.870	0.871	0.881	0.840	0.885		
40	0.872	0.864	0.866	0.835	0.876		
50	0.881	0.888	0.883	0.832	0.878		
60	0.857	0.865	0.865	0.830	0.865		