

Table S2. MAPE for different number of terms, crops, and seasons for Fourier fitting.

Function	Crop	Season	MAPE, %
1 term	Soybean	2021	11.6
		2022	11.6
	Fallow	2021	5.4
		2022	7.8
	Oat	2021	6.1
		2022	19.8
	Buckwheat	2021	12.5
		2022	12.5
	Perennial grasses	2021	13.1
		2022	17.4
2 terms	Soybean	2021	11.6
		2022	12.0
	Fallow	2021	4.3
		2022	6.0
	Oat	2021	6.9
		2022	8.3
	Buckwheat	2021	10.1
		2022	7.1
	Perennial grasses	2021	8.1
		2022	7.7
3 terms	Soybean	2021	5.0
		2022	6.4
	Fallow	2021	1.8
		2022	3.2
	Oat	2021	1.9
		2022	4.2
	Buckwheat	2021	4.8
		2022	5.9
	Perennial grasses	2021	5.3
		2022	7.2