

Figure S1. Spatial distributions of land types which show relatively low corrections between FYDI and MCI; Land type 2: Evergreen Needleleaf Forest; Land type 5: Deciduous Broadleaf Forest and Land type 13: Bare Soil

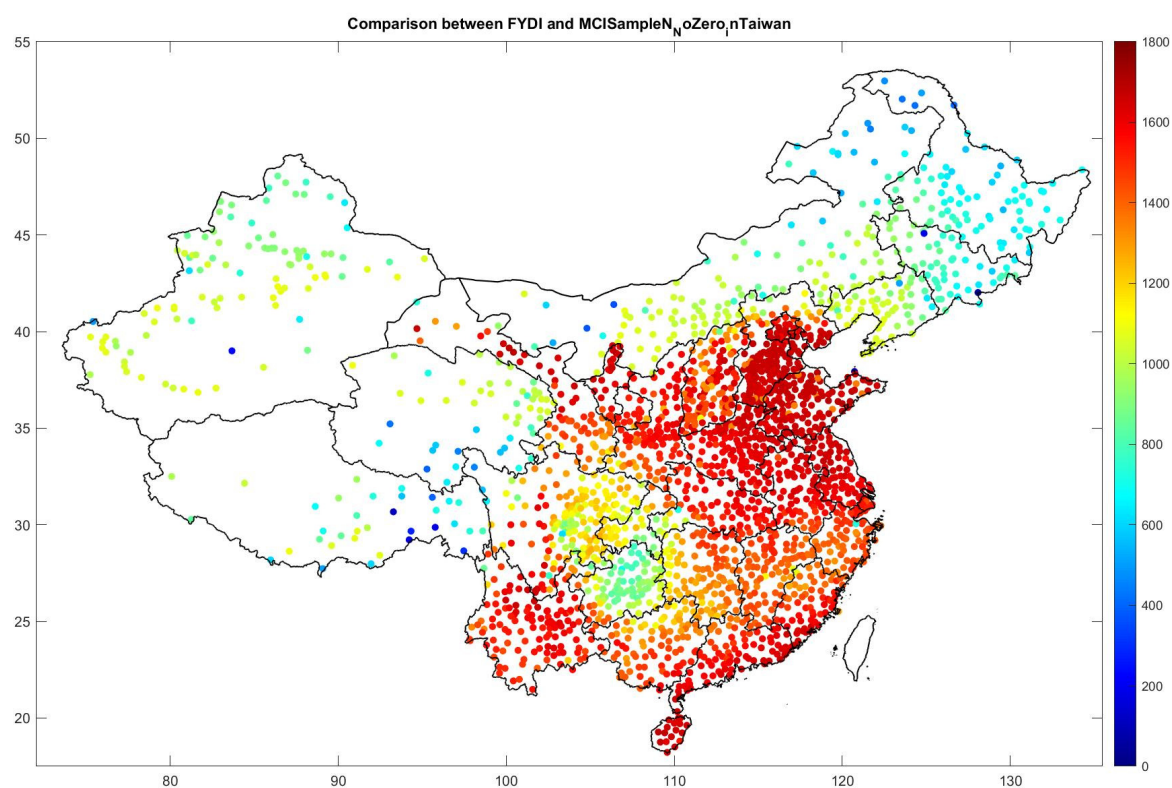


Figure S2. Observation pairs between FYDI and MCI data sets over the period of 2016 to 2020

Table S1. Coefficients list of each parameter in the formula of MCI

Weight coefficients	Parameter	Northern and western regions	Southern region
	a	0.3	0.5
	b	0.5	0.6
	c	0.3	0.2
	d	0.2	0.1
K _a	Peak season for crop growth	Early or mature stages of crop growth	Without crop or vegetation growth or perennially arid regions
	Mar. — Sep.	Oct.— Next Feb.	Other
	1.0 — 1.2	0.4 — 1.0	0