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Supplement of

ChinaCropPhen1km: a high-resolution crop phenological dataset for three staple crops in China during 2000–2015 based on leaf area index (LAI) products

Yuchuan Luo et al.

Correspondence to: Zhao Zhang (sunny_zhang@bnu.edu.cn)

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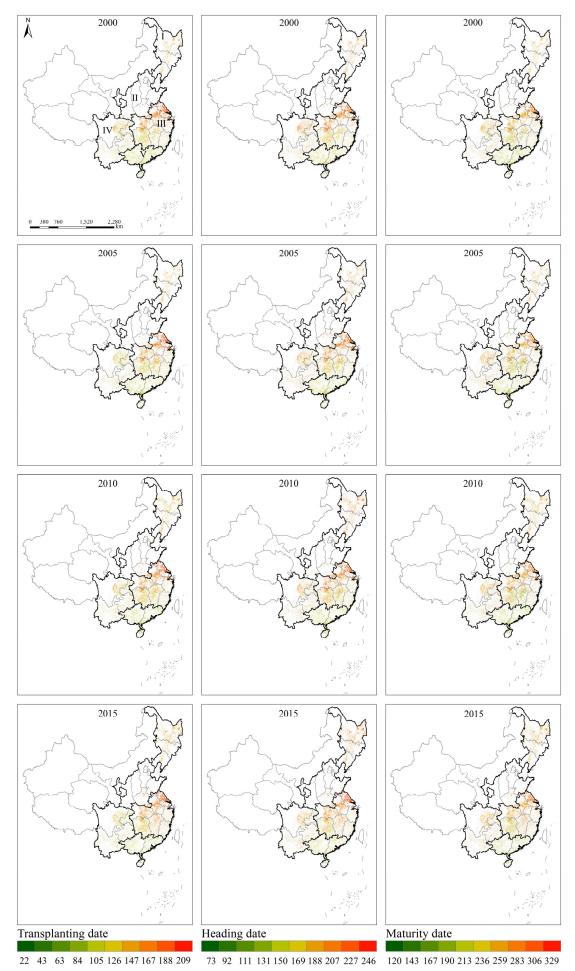
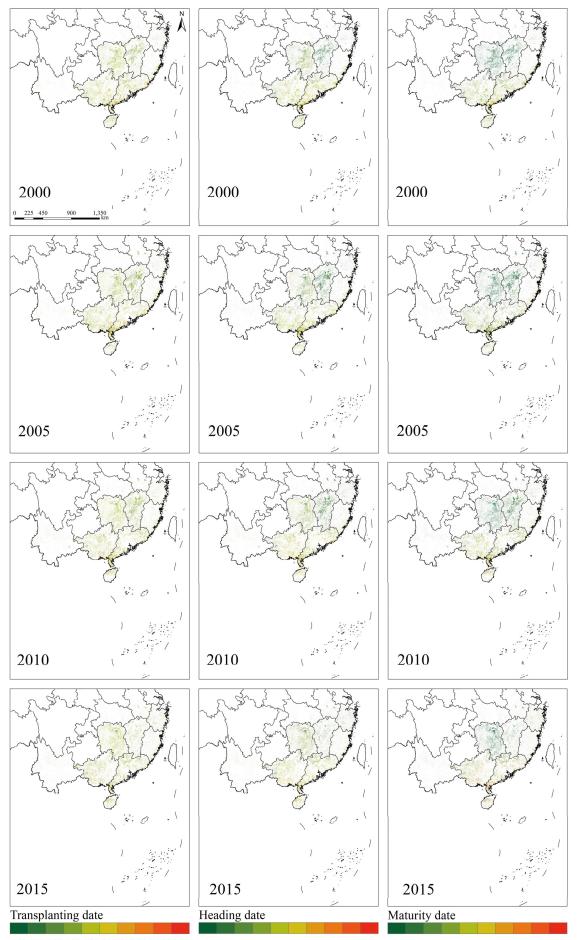
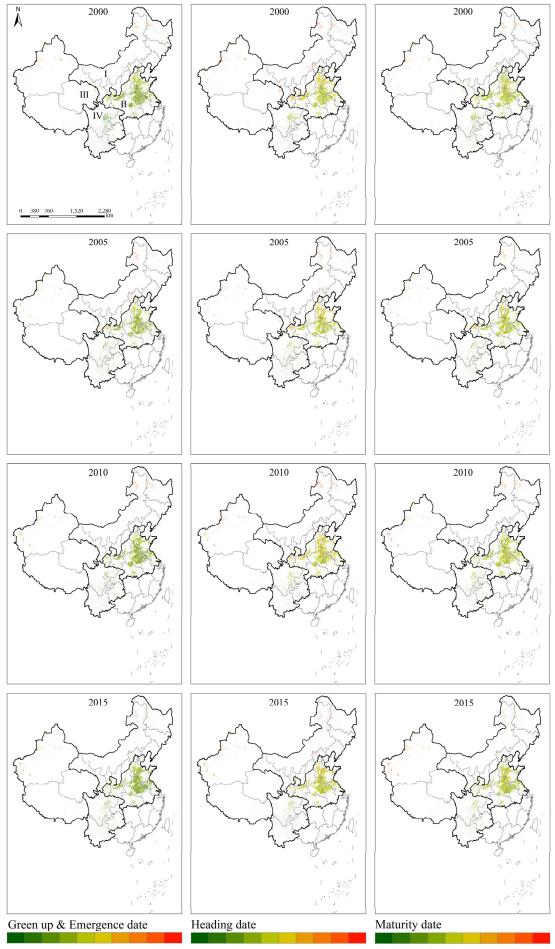


Fig. S1 Spatial patterns of annual three key phenological dates during $2000 \sim 2015$ for rice.



153 171 182 198 203 213 223 234 244 255 225 235 244 252 261 270 279 288 296 305 273 281 289 297 305 313 321 329 337 345 Fig. S2 Spatial patterns of annual three key phenological dates during 2000~2015 for late-rice.



1 16 31 47 62 77 92 107 123 138 30 51 71 92 113 134 155 175 196 217 85 107 130 153 175 198 221 244 266 289 Fig. S3 Spatial patterns of annual three key phenological dates during 2000~2015 for wheat.

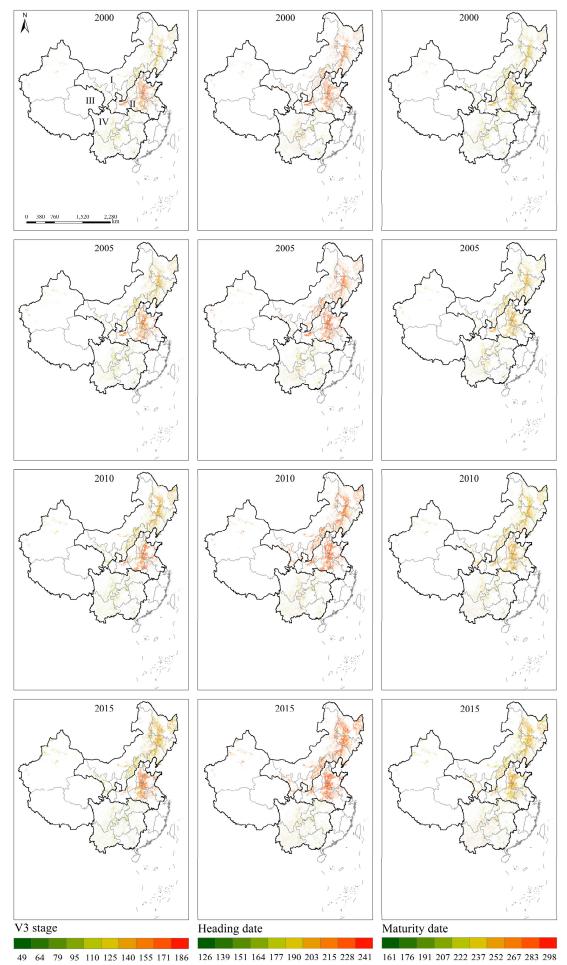


Fig. S4 Spatial patterns of annual three key phenological dates during 2000~2015 for maize

Table S1. Details of the subregions for rice.

Items	I	II	III	IV	V
Location	Northeast	North China	The middle and lower reaches of Yangtze	Southwest China	Southern China
Location	China	nina Plain River		South West Clima	
Dominant crops	Single-rice	Single-rice	Single-rice;	Single-rice	Double cropping rice
			Double cropping rice	Siligie-fice	
Cropping System	Single	Cinala anamina	Double or	Double or Triple	Double or Triple
	cropping	Single cropping	Triple cropping	cropping	cropping
Climate type	Temperate	Subtropical	Subtropical	Subtropical	Subtropical
Annual mean temperature (°C)	1~7	9~15	15~18	16~24	17~24
Annual total precipitation (mm)	400~1000	580~1000	700~1300	800~1600	1000~2000
Annual accumulated temperature	2000~3100	2750~4900	4500~5500	2500 6000	6500 8000
(>10 °C)	2000~3100	2/30~ 4 900	4500~3300	3500~6000	6500~8000
Proportion of total planting area (%)	14.7	3.2	51.2	14.8	16.1

Table S2. Details of the subregions for wheat.

Items	I	II	III	IV
Location	Northern China	North China Plain	Western China	Southwest China
Dominant crops	Spring wheat	Winter wheat	Spring wheat	Winter wheat
Cropping System	Single cropping	Double cropping	Single cropping	Double or Triple cropping
Climate type	Temperate	Subtropical	Plateau climate; Temperate	Subtropical
Annual mean temperature (°C)	1~13	9~15	5~10	16~24
Annual total precipitation (mm)	400~980	580~1000	200~400	800~1600
Annual accumulated temperature (>10 °C)	2000~4900	2750~4900	2056~3615	3500~6000
Proportion of total planting area (%)	15.7	72.1	5.6	6.6

Table S3. Details of the subregions for maize.

	Ι	II	III	IV
Location	Northern China	North China Plain	Western China	Southern China
Dominant crops	Spring maize	Summer maize	Spring maize;	Spring maize;
Dominant crops			Summer maize	Summer maize
Cropping System	Single cropping	Double cropping	Single or Double cropping	Double or Triple cropping
Climate type	Temperate	Subtropical	Plateau climate;	Subtropical
Chinate type	Temperate		Temperate	
Annual mean temperature (°C)	1~13	9~15	5~10	16~24
Annual total precipitation (mm)	400~980	580~1000	200~400	800~1600
Annual accumulated temperature (>10 °C)	2000~4900	2750~4900	2056~3615	3500~6000
Proportion of total planting area (%)	43.7	38.1	2.6	15.6