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

Transplanting date

153 171 182 198 203 213 223 234 244 255

Heading date

225 235 244 252 261 270 279 288 296 305

Maturity date

273 281 289 297 305 313 321 329 337 345
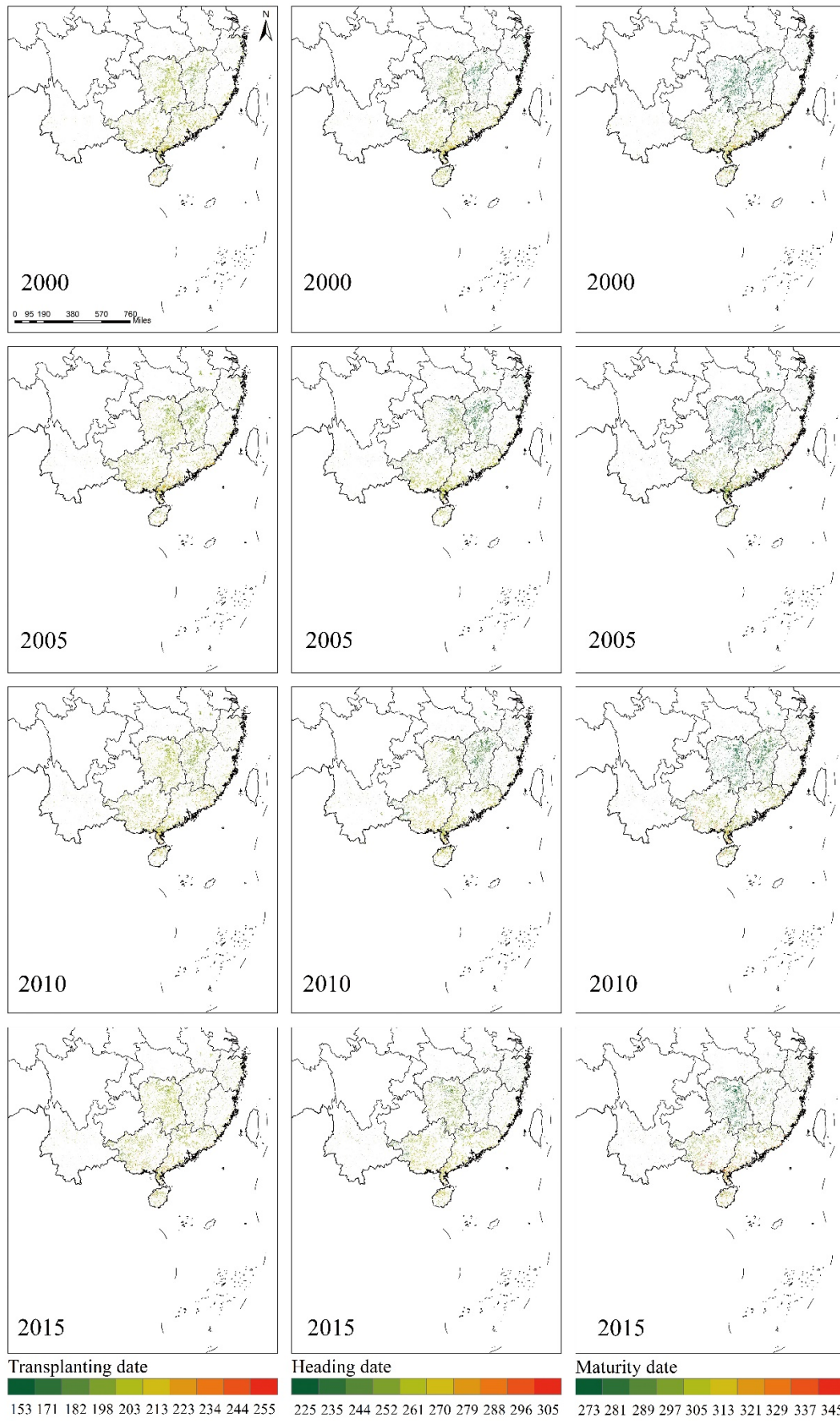
Fig. S2 Spatial patterns of annual three key phenological dates during 2000~2015 for late-rice
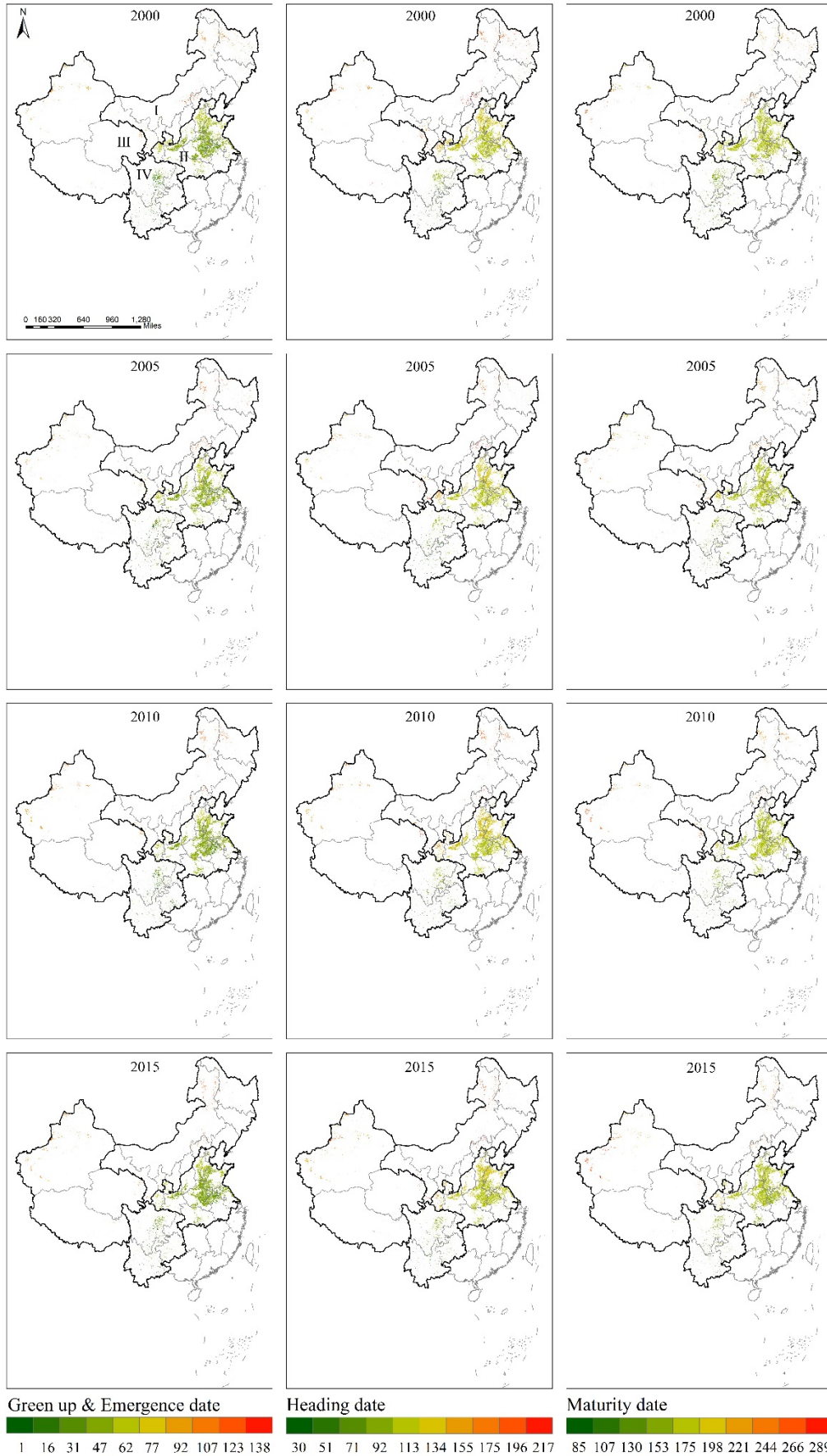
Fig. S3 Spatial patterns of annual three key phenological dates during 2000~2015 for wheat

V3 stage
49 64 79 95 110 125 140 155 171 186

Heading date
126 139 151 164 177 190 203 215 228 241

Maturity date
161 176 191 207 222 237 252 267 283 298
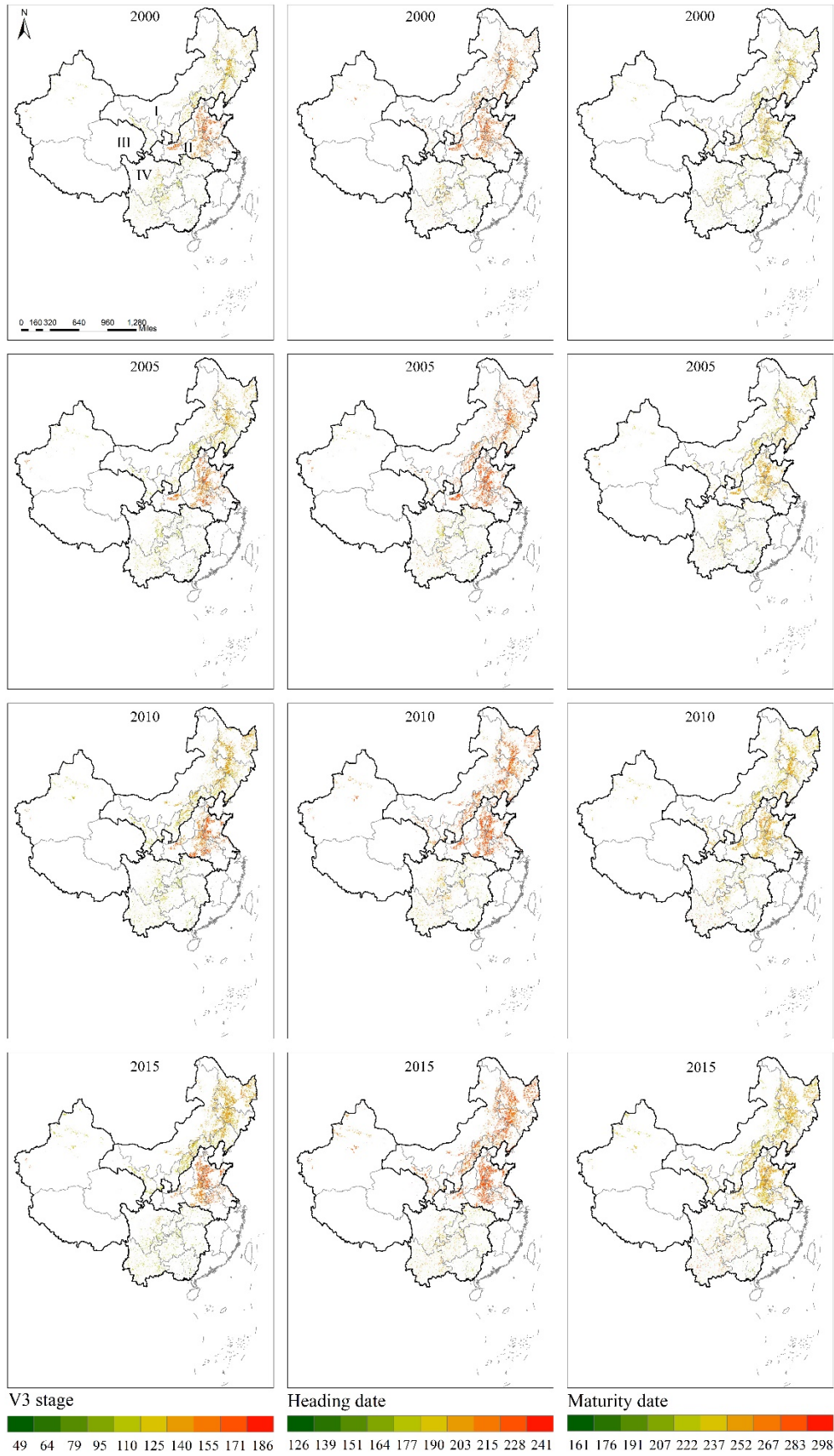
Fig. S4 Spatial patterns of annual three key phenological dates during 2000~2015 for maize