

Agricultural Evolution: Process, Pattern and Water Resource Effect

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Table S1. Trajectory changes of paddy field (>0.02%), 1990–2015.

Code	%	Type	Code	%	Type	Code	%	Type
1111	30.32	0	4211	1.48	2	1711	0.05	2
2111	9.39	1	7721	1.33	2	4112	0.04	2
7111	7.17	1	2771	0.98	2	7441	0.04	2
2221	7.01	1	4421	0.90	2	8122	0.04	2
7711	5.59	1	4711	0.73	2	2441	0.03	2
4111	5.21	1	2711	0.58	2	7177	0.03	2
2211	4.49	1	7221	0.54	2	1877	0.03	2
1122	3.95	1	5711	0.50	2	7116	0.03	2
7771	1.96	1	1177	0.42	2	2116	0.03	2
4411	1.83	1	2122	0.39	2	2112	0.03	2
8881	1.39	1	1411	0.35	2	4771	0.02	2
1222	1.26	1	7211	0.33	2	2311	0.02	2
4441	1.10	1	5211	0.31	2	8511	0.02	2
5111	0.42	1	5571	0.24	2	5551	0.02	2
8111	0.20	1	5411	0.18	2	2166	0.02	2
8811	0.17	1	4471	0.13	2	2177	0.02	2
5511	0.15	1	7511	0.13	2	8841	0.02	2
1444	0.12	1	7741	0.13	2	8871	0.02	2
1555	0.12	1	1422	0.12	2	7411	0.02	2
1116	0.06	1	4122	0.10	2	4811	0.02	2
1777	0.06	1	4881	0.10	2	7121	0.13	3
3311	0.05	1	1211	0.10	2	4741	0.08	3
1166	0.04	1	2411	0.10	2	4121	0.06	3
1112	0.03	1	1277	0.08	2	4841	0.03	3
1333	0.03	1	7881	0.07	2	4721	0.03	3
1666	0.02	1	4166	0.07	2	1421	0.03	3
1155	0.02	1	7122	0.07	2	5721	0.02	3
3111	0.02	1	7166	0.06	2	2421	0.02	3
1121	2.47	2	1221	0.06	2	7541	0.02	3
2121	1.70	2	5881	0.05	2			
4221	1.67	2	8411	0.05	2			

Notes: 0 represents unchanged types, 1 to 3 represent one-step, two-step and three-step changes, respectively.

Table S2. Trajectory changes of dry farmland (>0.02%), 1990–2015.

Code	%	Type	Code	%	Type	Code	%	Type
2222	74.46	0	2244	0.12	1	2711	0.08	2
4222	9.02	1	3332	0.11	1	7221	0.07	2
8222	1.95	1	4442	0.11	1	2322	0.07	2
4422	1.40	1	5522	0.08	1	2122	0.05	2
2333	1.39	1	2277	0.08	1	5422	0.05	2
2111	1.30	1	2888	0.08	1	4822	0.05	2
2221	0.97	1	2555	0.06	1	7211	0.05	2
3222	0.72	1	8882	0.06	1	4223	0.04	2
7222	0.69	1	2223	0.06	1	5211	0.04	2
2211	0.62	1	2288	0.03	1	4722	0.04	2
2233	0.56	1	2224	0.02	1	7442	0.03	2
1122	0.55	1	1121	0.34	2	5225	0.03	2
7722	0.51	1	4221	0.23	2	2332	0.03	2
3322	0.32	1	4211	0.20	2	4277	0.02	2
2444	0.32	1	4233	0.20	2	4322	0.02	2
5222	0.31	1	7721	0.18	2	1422	0.02	2
1222	0.18	1	3233	0.18	2	3223	0.02	2
8822	0.16	1	2771	0.14	2	2722	0.02	2
2777	0.12	1	4421	0.12	2	2121	0.24	3
2666	0.12	1	2422	0.09	2	7121	0.02	3
2226	0.12	1	4244	0.08	2			
2266	0.12	1	5722	0.08	2			

Notes: 0 represents unchanged types, 1 to 3 represent one-step, two-step and three-step changes, respectively.