

Design and characterisation of spatial units for monitoring global impacts of environmental factors on major crops and food security.

René Gommès, Bingfang Wu, Zhongyuan Li, Hongwei Zeng

Supporting information

Environmental and agronomic characterization of MRUs

Table S1: Spatially averaged values of agronomic variables by MRU. A1 Arland%, A2 Irr%, A3 Bar%, A4 Baryld, A5 Casyld, A6 Mz%, A7 Mzyd, A8 Pot%, A9 Potyld, A10 Rc%, A11 Padyld, A12 Soy%, A13 Soyyld, A14 Wh%, A15 Whyld. Refer to table 1 for additional details of variable definitions.

MRU	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15
M01	52	0	0	-	9.15	50	1.99	5	10.1	19	2.17	0	-	7	2.18
M02	84	0	26	2.04	-	88	2.51	14	11.7	0	-	0	-	65	1.97
M03	89	0	0	-	9.6	62	1.8	7	9.2	41	2.24	0	-	9	2.46
M04	25	0	1	2.23	9.36	28	2.27	3	13.5	5	3.76	0	-	4	1.76
M05	74	2	0	-	7.97	35	2	8	9.4	69	2.77	0	-	5	2.38
M06	67	1	0	-	8.38	97	2.14	0	-	0	-	0	-	0	-
M07	71	5	56	2.34	-	8	4.8	41	22.3	2	5.1	0	-	78	2.85
M08	53	1	0	-	8.99	14	2.47	0	-	8	2.88	0	-	7	2.35
M09	52	0	0	-	9.05	30	1.91	1	15.7	4	2.32	0	-	16	2.67
M10	74	4	0	-	-	0	-	0	-	0	-	0	-	100	2.55
M11	5	0	0	-	-	0	-	0	-	0	-	0	-	0	-
M12	99	4	12	3.37	-	32	6.68	8	32.4	0	-	29	2.49	88	3.01
M13	83	1	0	-	-	29	4.11	10	23.1	0	-	27	2.06	24	2.94
M14	96	5	0	-	-	9	3.95	1	24.6	4	4.75	15	2.09	48	3.03
M15	27	0	3	3.17	-	0	-	1	25.5	0	-	0	-	9	2.98
M16	62	9	2	2.92	-	1	4.4	8	23.7	2	4.63	0	-	29	3.09
M17	97	4	2	2.48	11.72	49	3.28	5	24.8	0	-	0	-	3	4.14
M18	63	3	1	2.88	-	2	4.38	7	25.8	0	-	0	-	12	3.52
M19	79	2	0	-	10.45	27	2.53	5	19.4	2	4.22	0	-	0	-
M20	87	6	0	-	8.27	12	1.65	0	-	0	-	0	-	0	-
M21	54	2	0	-	10.07	2	3.33	49	13.8	2	4.53	1	1.95	0	-
M22	76	1	0	-	10.95	22	3.24	6	18.3	0	-	2	1.87	0	-
M23	81	1	0	-	11.78	15	3.48	5	17.3	2	4.17	29	2.18	6	2.44
M24	26	0	0	-	11.42	0	-	0	-	1	4.22	1	1.86	0	-
M25	63	1	0	-	11.5	4	4.52	9	17.3	0	-	19	2.3	14	2.63
M26	90	1	1	3.1	11.38	36	4.56	5	19.1	9	6.01	47	2.26	54	2.85
M27	20	2	0	-	-	0	-	8	21.6	0	-	0	-	0	-
M28	8	1	0	-	-	0	-	1	22	0	-	0	-	1	3.35
M29	97	7	20	2.09	-	3	5.61	68	18.4	3	4.37	0	-	81	2.44
M30	68	8	0	-	-	8	7.12	62	19.3	2	4.19	0	-	37	2.48
M31	44	5	10	1.97	-	0	-	18	18.3	2	3.77	0	-	37	2.6
M32	18	3	0	-	-	2	5.13	1	16.7	0	-	0	-	12	2.77
M33	98	7	0	-	17.83	0	-	99	15.3	100	4.24	0	-	0	-
M34	100	35	0	-	-	98	4.09	94	18.1	24	4.78	60	1.49	97	2.93
M35	63	4	0	-	-	23	4.08	36	17.6	0	-	5	1.48	29	2.87
M36	96	9	0	-	-	47	4.88	97	16.4	0	-	24	1.61	87	3.67
M37	99	17	0	-	-	6	4.23	98	17.6	98	4.46	2	1.5	30	2.85
M38	76	6	0	-	-	45	3.44	27	18.7	13	4.76	40	1.41	41	2.73
M39	10	0	0	-	-	0	-	1	15.5	0	-	0	-	2	2.69
M40	99	8	0	-	16.92	17	4.31	74	16.6	90	4.05	0	-	1	2.43
M41	98	6	0	-	-	65	4.55	91	16.5	55	4.46	3	1.52	51	2.92
M42	63	13	0	-	-	0	-	0	-	99	4.28	0	-	0	-
M43	70	4	0	-	-	8	3.43	52	21.2	31	5.25	3	1.48	0	-

MRU	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15
M44	87	18	0	-	-	26	4.02	46	16.3	62	3.64	5	1.24	42	2.35
M45	100	17	0	-	22.51	17	3.98	11	17.5	74	3.64	16	1.36	17	2.65
M46	86	9	0	-	-	0	-	81	25.5	88	6	0	-	1	3.38
M47	0	0	0	-	-	0	-	0	-	0	-	0	-	0	-
M48	96	25	0	-	-	17	4.74	28	18.5	33	3.62	6	1.08	71	2.64
M49	86	3	0	-	14.12	13	4.34	2	13.9	29	3.32	2	1.46	0	-
M50	88	9	0	-	18.4	12	4.25	2	15.8	79	3.68	0	-	0	-
M51	1	0	0	-	-	0	-	0	-	0	-	0	-	0	-
M52	25	0	0	-	-	0	-	6	17	0	-	0	-	4	2.58
M53	14	1	0	-	-	2	4.27	0	-	3	4.41	0	-	2	2.55
M54	64	2	14	2.7	-	0	-	1	22.9	0	-	0	-	59	2.93
M55	80	0	11	2.51	-	0	-	0	-	0	-	0	-	84	2.64
M56	34	2	2	5.69	-	0	-	6	44.3	0	-	0	-	0	-
M57	10	0	3	2.63	-	0	-	8	19	0	-	0	-	5	3.07
M58	85	1	9	2.72	-	1	5.62	89	18.8	0	-	0	-	61	3.24
M59	99	7	35	2.69	-	5	7.34	46	22.8	0	-	0	-	65	3.07
M60	98	4	29	4.43	-	26	7.39	69	27.7	1	5.14	0	-	73	5.15
M61	46	1	1	3.07	-	0	-	2	25.4	0	-	0	-	16	3.05
M62	69	1	7	2.1	-	0	-	43	17.9	0	-	0	-	62	2.57
M63	1	0	1	2.24	-	0	-	0	-	0	-	0	-	3	2.28
M64	8	1	0	-	-	0	-	2	19.2	0	-	0	-	4	2.78
M65	1	0	0	-	-	0	-	0	-	0	-	0	-	0	-