

Estimation of nitrogen supply for summer maize production through a long-term field trial in China

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Table S1 Variety, seed density and fertilizer rate of summer maize in NE and FP treatments from
2009 to 2019

Year	Crop	NE					FP				
		Variety	Seed density (plants ha ⁻¹)	Fertilizer rate (kg ha ⁻¹)			Variety	Seed density (plants ha ⁻¹)	Fertilizer rate (kg ha ⁻¹)		
				N	P ₂ O ₅	K ₂ O			N	P ₂ O ₅	K ₂ O
2009-2010	Summer maize	ZhengDan958	60 000	240	60	90	ZhengDan958	60 000	140	138	0
	Winter wheat	XingMai6	225	180	90	90	XingMai6	225	300	170	50
2010-2011	Summer maize	ZhengDan958	60 000	180	60	90	ZhengDan958	60 000	300	135	0
	Winter wheat	XingMai6	225	120	60	80	XingMai6	225	225	120	50
2011-2012	Summer maize	ZhengDan958	60 000	150	40	50	ZhengDan958	60 000	300	135	0
	Winter wheat	XingMai6	225	170	75	70	XingMai6	225	225	120	50
2012-2013	Summer maize	ZhengDan958	60 000	182	67	65	ZhengDan958	60 000	225	80	20
	Winter wheat	XingMai6	225	182	107	86	XingMai6	225	225	120	50
2013-2014	Summer maize	ZhengDan958	60 000	182	73	70	ZhengDan958	60 000	225	120	50
	Winter wheat	XingMai6	225	182	107	86	XingMai6	225	225	120	50
2014-2015	Summer maize	XianYu335	75 000	182	85	90	ZhengDan958	60 000	225	120	50
	Winter wheat	XingMai6	225	182	107	86	XingMai6	225	225	120	50
2015-2016	Summer maize	XianYu335	75 000	182	73	70	ZhengDan958	60 000	225	120	50
	Winter wheat	XingMai6	225	182	107	86	XingMai6	225	225	120	50
2016-2017	Summer maize	XianYu335	75 000	182	73	70	ZhengDan958	60 000	225	120	50
	Winter wheat	XingMai6	225	182	107	86	XingMai6	225	225	120	50
2017-2018	Summer maize	XianYu335	75 000	182	73	70	ZhengDan958	60 000	225	120	50
	Winter wheat	XingMai6	225	182	107	86	XingMai6	225	225	120	50
2018-2019	Summer maize	XianYu335	75 000	182	73	70	ZhengDan958	60 000	225	120	50
	Winter wheat	XingMai6	225	182	107	86	XingMai6	225	225	120	50
2019-2020	Summer maize	XianYu335	75 000	182	73	70	ZhengDan958	60 000	225	120	50
	Winter wheat	XingMai6	225	182	107	86	XingMai6	225	225	120	50

Note: NE: Nutrient Expert treatment; FP: Famers' Practice treatment.