

Sampling sites	Province	Location	Longitude	Latitude	Area	Soil type	Plant type	Fertilization					YearsofConsistentTreatment	
								PK	NP K	1/2NPK+1/2 M	M			
Site 1	Jilin	Changchun, Lvyuan District	125.098541	43.937041	NorthEast Semihumid Plain	Black soil	Greenhouse Eggplant	NPK					4 years	
Site 2	Jilin	Nongan, Qiantangjia Villiage	125.21874	44.42623	NorthEast Semihumid Plain	Black soil	Spring maize	NPK					4 years	
Site 3	Jilin	Gongzhuling, Hebei Villiage	124.761455	43.453427	NorthEast Semihumid Plain	Black soil	Spring maize	NPK					4 years	
Site 4	Jilin	Gongzhuling, Kemao Street	124.8027778	43.5308333	NorthEast Semihumid Plain	Black soil	Spring maize	NPK					11 years	
Site 5	Beijing	Beijing, Changping District	116.23	40.22	Huanghuaihai Semihumid Plain	Cinnamon soil	Spring maize	PK	NP K	1/2NPK+1/2 M	M		11 years	
Site 6	Beijing	Beijing, Changping District	116.14	40.13	Huanghuaihai Semihumid Plain	Cinnamon soil	Summer maize(WheatMaizeRotation)	Fallow (no human farming)	C K	NP K	NPK+S	NPK+ M	NPK+1.5 M	28 years
Site 7	Henan	Huaxian	114.840793	35.5401	Huanghuaihai Semihumid Plain	Fluvo-aquic soil	Summer maize(WheatMaizeRotation)	NPK					28 years	
Site 8	Henan	Yuanyang	113.71597	35.09906	Huanghuaihai Semihumid Plain	Fluvo-aquic soil	Summer maize(WheatMaizeRotation)	NPK					28 years	
Site 9	Henan	Kaifeng	114.623072	34.746492	Huanghuaihai Semihumid Plain	Fluvo-aquic soil	Summer maize(WheatMaizeRotation)	NPK					28 years	

Site 1	Fertilization	Eggplant ($\text{kg} \cdot \text{ha}^{-1} \cdot \text{yr}^{-1}$)		
		N	P ₂ O ₅	K ₂ O
		267	39	49
		Maize ($\text{kg} \cdot \text{ha}^{-1} \cdot \text{yr}^{-1}$)		
		N	P ₂ O ₅	K ₂ O
Site 2	NPK	180	127	115
Site 3	NPK	180	127	115
Site 4	NPK	180	127	115

Site 5		Maize ($\text{kg} \cdot \text{ha}^{-1} \cdot \text{yr}^{-1}$)			
		N	P ₂ O ₅	K ₂ O	Manure
	PK	0	120	180	0
	NPK	240	120	180	0
	1/2NPK+1/2M	120	120	180	120
	M	0	120	180	240

Site 6		Wheat (kg · ha ⁻¹ · yr ⁻¹)				Maize (kg · ha ⁻¹ · yr ⁻¹)			
		N	P ₂ O ₅	K ₂ O	Manure	N	P ₂ O ₅	K ₂ O	Manure
	CK	0	75	45	0	0	75	45	0
	NPK	150	75	45	0	150	75	45	0
	NPK+S	150	75	45	0	150	75	45	0
	NPK+M	150	75	45	22500	150	75	45	0
	NPK+1.5M	150	75	45	33750	150	75	45	0

		Wheat (kg · ha ⁻¹ · yr ⁻¹)			Maize (kg · ha ⁻¹ · yr ⁻¹)		
		N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
Site 7	NPK	315	90	90	330	67.5	67.5
Site 8	NPK	315	90	90	330	67.5	67.5
Site 9	NPK	315	90	90	330	67.5	67.5