

Effects of Straw Returning and New Fertilizer Substitution on Rice Growth, Yield, and Soil Properties in the Chaohu Lake Region of China

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Table S1. Plant height (a), main root length (b), tiller number (c), leaf area index (d), chlorophyll content (e), and aboveground dry weight (f) during observation under five treatments.

Growth stage	Treatment	Plant height (cm)	Main root length (cm)	Tiller number	Leaf area index	Chlorophyll content	Aboveground dry weight (g plant ⁻¹)
Mid-tillering stage	CK	69.31 ±	15.02 ±	7.00 ±1.00	3.40 ±	32.60 ±	13.95 ±0.41
		3.71	1.36		0.56	1.51	
	OF	73.81 ±	18.20 ±	9.67 ±1.53	4.05 ±	36.27 ±	22.13 ±4.83
		2.48	0.45		0.24	1.01	
	SF	76.23 ±	24.96 ±	10.00 ±	3.99 ±	36.42 ±	33.97 ±2.16
		2.92	1.56	2.00	0.43	2.72	
	SRF	82.76 ±	20.02 ±	11.00 ±	4.69 ±	38.88 ±	34.49 ±2.05
		9.22	1.19	2.00	0.54	0.39	
	WSF	76.03 ±	22.10 ±	10.00 ±	3.91 ±	36.41 ±	30.57 ±4.48
		4.23	0.45	1.00	0.55	0.06	
Jointing stage	CK	89.97 ±	26.13 ±	10.33 ±	4.00 ±	32.91 ±	25.68 ±0.66
		2.58	3.25	0.58	0.39	0.78	

Heading stage	OF	98.42 \pm	28.00 \pm	15.00 \pm	5.04 \pm	35.68 \pm	39.38 \pm 2.98
		4.26	0.69	2.00	0.16	0.60	
	SF	103.37 \pm	38.4 \pm 2.40	15.33 \pm	5.34 \pm	37.5 \pm 0.58	49.24 \pm 1.52
		1.90		2.08	0.35		
	SRF	106.20 \pm	30.8 \pm 1.83	16.00 \pm	5.45 \pm	37.79 \pm	50.08 \pm 1.38
		4.40		2.00	0.85	2.88	
	WSF	104.41 \pm	34.00 \pm	15.33 \pm	5.52 \pm	36.35 \pm	45.81 \pm 0.69
		0.87	0.69	1.15	0.58	0.66	
	CK	112.77 \pm	13.93 \pm	10.33 \pm	4.02 \pm	29.33 \pm	123.88 \pm
		3.21	3.02	0.58	0.39	1.99	13.34
	OF	124.28 \pm	15.55 \pm	14.00 \pm	5.06 \pm	32.52 \pm	199.07 \pm
		3.33	0.61	1.00	0.16	1.25	22.56
	SF	125.23 \pm	17.97 \pm	14.67 \pm	5.36 \pm	33.59 \pm	202.20 \pm
		0.79	1.06	0.58	0.35	1.84	16.34
	SRF	127.95 \pm	20.93 \pm	15.00 \pm	5.47 \pm	33.97 \pm	216.36 \pm
		1.49	1.55	1.00	0.85	1.33	10.16
	WSF	125.9 \pm	30.21 \pm	14.33 \pm	5.33 \pm	33.72 \pm	204.48 \pm
		3.69	1.47	1.53	0.07	1.08	10.50
Maturity stage	CK	120.4 \pm	13.44 \pm	9.67 \pm 1.53	4.06 \pm	14.51 \pm	121.74 \pm
		2.23	1.65		0.64	0.73	8.56
	OF	127.27 \pm	14.85 \pm	13.67 \pm	5.95 \pm	23.06 \pm	184.69 \pm

	1.36	0.40	0.58	0.24	1.36	8.71
SF	128.93 ±	15.83 ±	14.00 ±	6.38 ±	23.75 ±	194.89 ±
	1.47	1.35	1.00	0.51	1.61	11.40
SRF	131.33 ±	15.41 ±	14.33 ±	6.52 ±	24.13 ±	195.02 ±
	1.89	3.48	1.53	0.37	0.48	5.88
WSF	128.20 ±	15.18 ±	14.00 ±	5.95 ±	23.64 ±	193.81 ±
	1.40	0.63	1.00	0.23	0.50	16.66

Note: Data (mean ± standard errors, $n = 3$) with different letters indicate a statistically significant difference based on LSD ($p < 0.05$). The symbols in the following tables and figures are the same as those in this table.

Table S2. Soil pH value at the depths of 0–30, 30–60, and 60–90 cm in the regreening, tillering, heading, and maturity stages under five treatments.

Growth stage	Treatment	pH		
		0 – 30 cm	30 – 60 cm	60 – 90 cm
Mid-tillering stage	CK	5.90 ± 0.44	6.19 ± 0.15	6.18 ± 0.36
	OF	5.86 ± 0.50	6.12 ± 0.11	6.01 ± 0.01
	SF	5.93 ± 0.12	6.02 ± 0.09	6.06 ± 0.03
	SRF	5.85 ± 0.07	5.92 ± 0.10	5.92 ± 0.13
	WSF	5.83 ± 0.06	5.85 ± 0.03	5.90 ± 0.10

<i>Jointing stage</i>	<i>CK</i>	6.38 ± 0.38	6.20 ± 0.41	6.33 ± 0.48
	<i>OF</i>	6.32 ± 0.08	6.46 ± 0.02	6.50 ± 0.09
	<i>SF</i>	6.36 ± 0.10	6.36 ± 0.06	6.43 ± 0.04
	<i>SRF</i>	6.35 ± 0.13	6.40 ± 0.09	6.49 ± 0.12
	<i>WSF</i>	6.46 ± 0.27	6.46 ± 0.23	6.54 ± 0.19
<i>Heading stage</i>	<i>CK</i>	7.27 ± 0.10	7.37 ± 0.05	7.46 ± 0.14
	<i>OF</i>	6.92 ± 0.09	7.10 ± 0.04	7.17 ± 0.02
	<i>SF</i>	6.80 ± 0.02	7.06 ± 0.02	7.10 ± 0.04
	<i>SRF</i>	6.79 ± 0.11	6.98 ± 0.14	7.10 ± 0.04
	<i>WSF</i>	6.92 ± 0.15	7.05 ± 0.16	7.19 ± 0.09
<i>Maturity stage</i>	<i>CK</i>	6.83 ± 0.03	6.89 ± 0.08	7.01 ± 0.04
	<i>OF</i>	7.28 ± 0.02	7.40 ± 0.20	7.51 ± 0.10
	<i>SF</i>	7.19 ± 0.05	7.27 ± 0.06	7.38 ± 0.10
	<i>SRF</i>	7.11 ± 0.04	7.23 ± 0.03	7.34 ± 0.03
	<i>WSF</i>	7.09 ± 0.07	7.08 ± 0.09	7.04 ± 0.13

Table S3. Soil total nitrogen, alkali-hydrolyzable nitrogen, nitrate nitrogen, and ammonium nitrogen at the depths of 0–30, 30–60, and 60–90 cm during observation under five treatments.

Growth stage	Treatment	Soil total nitrogen			Soil alkali-hydrolyzable nitrogen			Soil nitrate nitrogen			Soil ammonium nitrogen		
		(g kg ⁻¹)			(mg kg ⁻¹)			(mg kg ⁻¹)			(mg kg ⁻¹)		
		0 – 30	30 – 60	60 – 90	0 – 30 cm	30 – 60 cm	60 – 90 cm	0 – 30	30 – 60	60 – 90	0 – 30	30 – 60	60 – 90
		cm	cm	cm				cm	cm	cm	cm	cm	cm
Mid- tillering stage	CK	2.21 ±	1.74 ±	1.35 ±	106.77 ±	46.11 ±	42.53 ±1.99	5.97 ±	6.01 ±	4.08 ±	8.19 ±	8.29 ±	4.29 ±
		0.07	0.16	0.48	4.20	22.24		1.23	0.26	0.26	0.86	0.72	0.72
	OF	2.43 ±	2.31 ±		114.96 ±	55.81 ±	46.11 ±4.20	8.81 ±	9.00 ±	7.76 ±	10.04 ±	9.91 ±	8.99 ±
		0.32	0.51	1.9 ±0.93	14.11	11.12		1.50	0.96	0.87	1.93	1.32	1.05

Jointing stage	SF	2.50 ±	2.42 ±	1.97 ±	116.59 ±	57.63 ±4.11 48.53 ±5.56		11.23 ±	10.71 ±	10.26 ±	13.34 ±	12.33 ±	11.91 ±	
		0.22	0.49	0.62	7.29			1.97	0.42	0.52	3.83	1.87	1.30	
	SRF	3.00 ±	2.78 ±	2.02 ±	151.67 ±	57.03 ±	65.52 ±6.30		10.63 ±	10.58 ±	10.06 ±	11.99 ±	11.69 ±	10.49 ±
		0.10	0.08	0.13	7.58	11.70			0.69	1.00	0.47	2.09	1.96	1.03
	WSF	2.52 ±	2.44 ±	2.06 ±	116.47 ±	89.79 ±	69.16 ±3.64		8.96 ±	8.84 ±	4.50 ±	10.92 ±	9.92 ±	9.19 ±
		0.22	0.68	0.08	8.33	12.78			1.04	1.43	0.88	2.22	1.29	0.81
	CK	1.27 ±	1.41 ±	1.09 ±	91.00 ±7.28	73.04 ±6.73	56.13 ±4.47	6.71 ±	7.01 ±1.1		6.54 ±	8.16 ±	8.38 ±	7.02 ±
		0.09	0.43	0.52				1.94	1.03		1.69	1.82	1.83	
	OF	1.54 ±	1.67 ±	1.44 ±	104.35 ±	81.49 ±	60.67 ±4.20		9.71 ±	9.88 ±	8.35 ±	10.88 ±	10.24 ±	9.10 ±
		0.32	0.26	0.25	5.56	21.67			1.56	1.46	1.13	0.88	0.42	0.33
	SF	1.81 ±	2.09 ±	1.63 ±	105.56 ±	83.39 ±4.20 68.83 ±22.2		9.49 ±	9.29 ±	8.18 ±	10.68 ±	11.06 ±	9.27 ±	
		0.67	0.28	0.34	7.28			0.96	0.65	0.99	1.29	1.06	0.70	
SRF	2.00 ±	2.02 ±	1.68 ±	137.11 ±	102.8 ±7.28	72.17 ±	10.79 ±	10.21 ±	9.61 ±	12.27 ±	10.98 ±	10.05 ±		

Heading stage	WSF	0.24	0.08	0.54	9.16	15.53	1.93	1.36	1.11	1.77	0.81	0.25	
		2.47 ±	1.91 ±	1.45 ±	105.25 ±	89.79 ±4.20	9.52 ±	9.22 ±	8.68 ±	10.86 ±	10.12 ±	9.37 ±	
		0.34	0.11	0.16	3.68	69.16 ±9.63	1.15	1.02	1.23	1.81	0.98	1.25	
	CK	1.71 ±	1.48 ±	1.11 ±	181.47 ±	147.53 ±	7.87 ±	7.99 ±	7.57 ±	9.21 ±	8.61 ±		
		0.51	0.42	0.07	10.26	5.22	0.52	0.44	0.58	9.07 ±0.3	0.31	0.47	
	OF	2.36 ±	1.61 ±	1.27 ±	198.89 ±	157.5 ±	113.71 ±	10.44 ±	10.65 ±	10.18 ±	11.54 ±	11.27 ±	10.40 ±
		0.33	0.12	0.04	33.3	39.31	6.62	0.78	1.3	1.48	0.96	1.25	0.58
	SF	2.37 ±	1.68 ±	1.48 ±	202.15 ±	158.46 ±	115.08 ±	10.48 ±	9.97 ±	9.46 ±	11.66 ±	11.29 ±	10.44 ±
		0.53	0.08	0.71	20.23	13.23	4.94	0.75	0.44	0.55	0.93	0.81	1.14
	SRF	2.67 ±	1.82 ±	1.59 ±0.5	231.62 ±	161.83 ±	118.72 ±	10.88 ±	10.45 ±	10.04 ±	11.28 ±	10.65 ±	10.19 ±
		0.42	0.13		16.42	18.17	13.76	1.25	0.97	0.61	0.31	0.46	0.28
	WSF	2.42 ±	1.79 ±	1.4 ±0.38	205.63 ±	163.28 ±	115.67 ±	10.53 ±	10.13 ±	10.94 ±	10.68 ±	9.96 ±	
		0.54	0.15		14.53	26.83	14.72	1.08	0.59	9.7 ±0.22	0.43	0.71	0.78

<i>Maturity stage</i>	<i>CK</i>	$2.01 \pm$	$1.20 \pm$	$1.04 \pm$	$151.94 \pm$	$103.60 \pm$	72.42 ± 8.98	$5.74 \pm$	$5.98 \pm$	$5.53 \pm$	$6.26 \pm$	$6.39 \pm$	$5.91 \pm$
		0.13	0.20	0.19	11.66	17.33		1.71	0.88	1.00	1.23	1.20	1.14
	<i>OF</i>	$2.24 \pm$	$1.99 \pm$	$1.55 \pm$	$176.14 \pm$	$129.02 \pm$	79.86 ± 4.84	$10.55 \pm$	$10.64 \pm$	$9.89 \pm$	$12.1 \pm$	$11.62 \pm$	$10.79 \pm$
		0.59	0.11	0.23	34.87	21.39		0.65	0.59	0.57	1.74	0.81	0.92
	<i>SF</i>	$3.18 \pm$	$2.06 \pm$	$1.56 \pm$	$194.52 \pm$	$139.14 \pm$	80.47 ± 7.50	$10.61 \pm$	$10.24 \pm$	$9.89 \pm$	$11.7 \pm$	$11.26 \pm$	$10.39 \pm$
		0.67	0.57	0.38	32.07	23.15		0.65	0.54	0.39	0.57	0.61	0.66
	<i>SRF</i>	$2.81 \pm$	$2.15 \pm$	$1.63 \pm$	$196.70 \pm$	$141.74 \pm$	$82.75 \pm$	$11.34 \pm$	$10.66 \pm$	$10.12 \pm$	$11.71 \pm$	$11.1 \pm$	$10.69 \pm$
		0.86	0.26	0.41	14.64	3.95	18.07	1.54	0.67	0.71	1.03	0.70	0.72
	<i>WSF</i>	$3.01 \pm$	$2.00 \pm$	$1.59 \pm$	$182.07 \pm$	$133.67 \pm$	80.66 ± 3.67	$10.71 \pm$	$9.94 \pm$	$9.64 \pm$	$10.96 \pm$	$10.35 \pm$	$9.78 \pm$
		1.11	0.33	0.58	23.37	7.01		1.04	0.60	0.38	1.16	0.60	0.71

Table S4. Soil organic matter, Soil total phosphorus, Soil available phosphorus, and Soil available potassium at the depths of 0–30, 30–60, and 60–90 cm during observation under five treatments.

Growth stage	Treatment	Soil organic matter			Soil total phosphorus			Soil available phosphorus			Soil available potassium		
		(g kg ⁻¹)			(g kg ⁻¹)			(mg kg ⁻¹)			(mg kg ⁻¹)		
		0–30 cm	30–60 cm	60–90 cm	0–30 cm	30–60 cm	60–90 cm	0–30 cm	30–60 cm	60–90 cm	0–30 cm	30–60 cm	60–90 cm
Mid-tillering stage	CK	16.46±0.96	9.80±0.51	8.76±0.58	0.13±0.02	0.12±0.01	0.10±0.01	12.65±1.20	10.59±0.39	8.31±0.72	101.00±1.00	75.67±7.51	70.00±10.00
Mid-tillering stage	OF	21.58±0.32	11.93±0.75	10.42±1.19	0.18±0.02	0.17±0.00	0.15±0.01	16.35±3.51	13.86±2.93	8.56±0.41	108.33±2.89	92.33±6.81	90.00±10.00

Jointing stage	SF	22.83±0.		10.54±0.7				16.65±1.7	15.55±3.2		115.67±5.1	100.33±4.5	
		38	12.47±0.75	0	0.22±0.06	0.2±0.00	0.16±0.03	2	1	9.44±2.10	3	1	97.33±4.93
	SRF	24.14±0.		10.84±0.5				18.94±1.0	16.73±2.1		117.67±6.8	107.33±9.6	
		33	12.85±0.10	3	0.3±0.04	0.23±0.05	0.17±0.02	5	5	10.5±1.27	1	1	94.67±4.16
	WSF	22.83±0.		10.58±0.6				17.49±2.4	14.84±2.4	10.05±5.5	116.33±5.6		
		94	13.5±0.32	2	0.23±0.04	0.19±0.03	0.16±0.02	0	1	8	9	96.67±7.02	93.33±9.45
	CK	17.62±1.		12.15±1.2				10.70±0.3			106.67±3.0	93.33±15.2	
		63	14.95±1.76	3	0.13±0.00	0.11±0.01	0.10±0.00	4	8.53±0.17	5.47±2.40	6	8	90.00±10.00
	OF	21.54±3.		15.58±1.7				11.94±2.6			123.33±25.	111.67±7.6	
		11	19.53±0.77	7	0.21±0.02	0.17±0.01	0.15±0.01	5	8.90±0.99	6.00±1.65	17	4	96.67±5.77
	SF	22.09±0.		17.46±0.9				13.57±1.4			143.33±11.	120.00±26.	100.00±20.0
		25	19.95±1.05	3	0.19±0.00	0.18±0.01	0.16±0.04	4	9.06±0.93	6.62±1.94	55	46	0
	SRF	25.00±4.	20.63±0.79	17.62±1.8	0.26±0.04	0.20±0.01	0.18±0.01	12.58±1.3	15.25±3.7	8.08±1.61	126.67±11.	123.33±11.	100.00±10.0

Heading stage	WSF	13	6				2	7		55	55	0
		22.08±1.	16.18±0.9				15.16±1.7	15.13±0.5			120.00±10.	
		19.69±0.23		0.20±0.01	0.19±0.03	0.17±0.01			9.09±4.19	140±26.46		93.33±23.09
	CK	53	2				7	1			00	
		14.29±4.	120.00±1.6				31.63±4.4	16.54±4.1	13.24±0.7	113.33±5.7	110.00±10.	
			9.38±0.75	0.30±0.02	0.19±0.03	0.17±0.01						103.33±5.77
	OF	36	9				7	9	3	7	00	
		19.93±2.	10.45±2.7				33.52±14.	18.42±3.8	17.04±3.2		121.67±7.6	110.00±26.4
			13.57±2.84	0.34±0.08	0.24±0.02	0.21±0.06				127±6.08		
	SF	15	4				23	2	0		4	6
		20.02±1.	11.05±1.1				39.02±3.8	24.14±8.6	22.02±2.2	136.67±20.	123.67±5.6	113.00±11.2
			14.26±4.14	0.39±0.04	0.29±0.08	0.26±0.02						
	SRF	70	7				6	8	3	82	9	7
		23.57±0.	13.32±3.6				39.93±3.2	26.46±3.8	24.66±6.8	134.00±6.0	133.33±5.7	120.00±17.3
			15.44±3.58	0.41±0.04	0.30±0.04	0.23±0.09						
	WSF	77	2				8	2	1	0	7	2
		23.02±1.	12.05±4.0				38.17±6.7	26.89±3.3	20.47±3.1	128.00±7.2	125.00±32.	
			15.22±3.36	0.36±0.04	0.25±0.06	0.22±0.05						113.33±5.77
		94	3				1	9	6	1	79	

Maturity stage	CK	22.80±2.		12.79±2.0				33.44±5.0	17.45±3.3	11.09±2.1	123.33±11.	111.00±11.	
		98	16.55±8.25	1	0.20±0.03	0.15±0.03	0.14±0.01	0	9	0	55	53	103.33±5.77
	OF	26.22±4.						40.11±1.7	21.14±18.	16.84±5.7	136.67±15.	118.00±24.	110.00±26.4
		04	19.67±2.99	15.4±2.22	0.23±0.02	0.19±0.04	0.16±0.01	1	05	5	28	33	6
	SF	28.55±4.		16.76±4.3				41.77±3.3	23.07±1.6	19.01±0.8		123.00±6.0	113.33±30.5
		26	19.96±3.09	1	0.24±0.03	0.21±0.06	0.17±0.01	8	3	9	142±10.58	8	5
	SRF	30.10±4.		16.31±1.6				44.94±4.5	25.15±1.4	24.43±5.0	148.33±7.6	123.33±15.	118.33±12.5
		56	20.25±2.22	6	0.27±0.03	0.23±0.03	0.21±0.01	7	6	7	4	28	8
	WSF	27.96±1.		16.53±3.2				41.51±4.1	21.44±1.6	20.52±7.0	140.00±10.	120.00±18.	
		64	20.74±6.45	7	0.25±0.03	0.20±0.02	0.18±0.02	8	3	2	00	03	111.67±6.66

Table S5. Soil neutral phosphatase (a), Soil sucrase (b), Soil urease (c), and Soil catalase activity (d) at the depths of 0–30 cm during observation under five treatments.

Growth stage	Treatmen t	Soil neutral	Soil sucrase	Soil urease	Soil catalase
		phosphatase activity (mg g ⁻¹ d ⁻¹)	activity (mg g ⁻¹ d ⁻¹)	activity (mg g ⁻¹ d ⁻¹)	activity (mL g ⁻¹ 20min ⁻¹)
Mid-tillering stage	CK	0.53 ±0.06	6.92 ±0.13	0.09 ±0.00	1.56 ±0.06
	OF	1.09 ±0.03	7.96 ±0.09	0.14 ±0.02	1.76 ±0.07
	SF	1.19 ±0.03	8.73 ±0.12	0.20 ±0.01	1.92 ±0.03
	SRF	1.34 ±0.03	10.59 ±0.05	0.24 ±0.01	2.00 ±0.02
	WSF	1.19 ±0.01	9.12 ±0.05	0.2 ±0.02	1.85 ±0.10
Jointing stage	CK	0.68 ±0.03	7.48 ±0.04	0.09 ±0.02	1.75 ±0.07
	OF	1.28 ±0.03	8.40 ±0.02	0.12 ±0.01	2.04 ±0.06
	SF	1.33 ±0.02	9.00 ±0.04	0.12 ±0.01	2.49 ±0.03
	SRF	1.52 ±0.04	11.54 ±0.11	0.14 ±0.01	2.88 ±0.08
Heading stage	WSF	1.49 ±0.03	10.46 ±0.09	0.13 ±0.01	2.48 ±0.03
	CK	0.78 ±0.03	8.46 ±0.07	0.09 ±0.01	1.66 ±0.07

Maturity stage	OF	1.59 ± 0.04	9.88 ± 0.03	0.11 ± 0.01	1.70 ± 0.03
	SF	1.71 ± 0.01	10.77 ± 0.07	0.12 ± 0.01	1.96 ± 0.04
	SRF	1.83 ± 0.05	12.16 ± 0.08	0.14 ± 0.01	2.31 ± 0.03
	WSF	1.74 ± 0.05	11.78 ± 0.06	0.12 ± 0.01	1.78 ± 0.03
	CK	0.62 ± 0.05	8.76 ± 0.07	0.10 ± 0.01	1.45 ± 0.04
	OF	0.86 ± 0.04	11.97 ± 0.15	0.16 ± 0.02	1.59 ± 0.03
	SF	0.94 ± 0.04	13.19 ± 0.18	0.18 ± 0.01	1.70 ± 0.03
	SRF	0.95 ± 0.03	14.27 ± 0.07	0.19 ± 0.02	1.92 ± 0.02
	WSF	0.80 ± 0.02	12.78 ± 0.03	0.16 ± 0.02	1.67 ± 0.02

Table S6. Treatment fertilizer application rates at five treatments.

Treatm ents	Treatment description	Types of fertilizer	Fertilizer application rates (kg ha^{-1})		
			Basal	Tillering	Panical
CK	No fertilizer	Blank	Blank	Blank	Blank
OF	Optimized fertilizer	Urea	220.49	80.18	100.22
		Superphosphate	481.01	Blank	Blank
		Potassium chloride	94.45	Blank	62.97
		Straw returning	4497.75	Blank	Blank
SF	+ chemical	Urea	200.95	73.07	91.34
	fertilizers	Superphosphate	455.90	Blank	Blank

		<i>Potassium chloride</i>	<i>15.38</i>	<i>Blank</i>	<i>10.25</i>
	<i>Slow-release</i>	<i>Slow-release fertilizer</i>	<i>590.16</i>	<i>Blank</i>	<i>Blank</i>
<i>SRF</i>	<i>fertilizer +</i>	<i>Urea</i>	<i>65.25</i>	<i>23.73</i>	<i>29.66</i>
	<i>chemical</i>	<i>Superphosphate</i>	<i>87.46</i>	<i>Blank</i>	<i>Blank</i>
	<i>fertilizers</i>	<i>Potassium chloride</i>	<i>Blank</i>	<i>Blank</i>	<i>Blank</i>
	<i>Water-soluble</i>	<i>Water-soluble fertilizer</i>	<i>Blank</i>	<i>299.85</i>	<i>299.85</i>
<i>WSF</i>	<i>fertilizer +</i>	<i>Urea</i>	<i>190.59</i>	<i>69.30</i>	<i>86.63</i>
	<i>chemical</i>	<i>Superphosphate</i>	<i>480.26</i>	<i>Blank</i>	<i>Blank</i>
	<i>fertilizers</i>	<i>Potassium chloride</i>	<i>90.16</i>	<i>Blank</i>	<i>60.11</i>