

Article

Response of *Triticum Vulgare* Growth and Nitrogen Allocation to Irrigation Methods and Regimes under Subsoiling Tillage

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Table S1. Main technical parameters of planter.

Item		Seeding machine
Name of machine		2BXF-12 of planter, made by Nonghaha Company
Seeding rows		6
Weight / kg		300
Overall dimensions	L / cm	163
	W / cm	150
	H / cm	104
Power/ kw		≥20
Fuel consumption L/ha		8
Depth of seeding/ cm		3-6 cm (adjustable)

Table S2. Main technical parameters of harvester.

Item		Harvester
Name of machine		4LZ-10M6, made by Lovol Gushen Company
Engine Power / ps		190
Cutting width / mm		3000/3250
Weight / kg		7200
Feed rate /kg·s ⁻¹		10
Overall dimensions	L / cm	700
	W / cm	362.5
	H / cm	347
Grain storage capacity / m ³		2.8
Operation efficiency / hm ² ·h ⁻¹		0.6-1.3
Threshing and separating method		Longitudinal and cross flow
Driving wheel track / mm		1900
Cleaning method		Air-Screen type

Table S3. Main technical parameters of subsoler.

Item		Harvester
Name of machine		1S-250, made by Shangdong Dahua Machiney Company
Overall dimensions	L / cm	200
	W / cm	260
	H / cm	152
Number of rows		4
Row spac /cm		62
Matching power / kw		89-106.6
Working width / cm		250
Weight / kg		980
Structure type of Subsoiler blades		Eccentric column curved blade
Working depth / cm		25-50
Operation efficiency / hm ² ·h ⁻¹		1.8-2.3