

Machine setting for GRIMME harvesters



GRIMME HARVESTER MACHINE PART	SOIL MOISTURE TYPE		
	WET	AVERAGE	DRY
Haulm topper			
Blades/flails	Make sure flail profile matches the row profile and not set too low and scalping the rows		
Wheel settings	Make sure wheel centres match the rows		
Tractor settings			
Wheel settings	Make sure wheel widths and wheel centres are set to fit the row widths		
PTO speed 1000 or 540rpm	540/1000rpm max	350/750rpm min	350/750rpm min
Front of harvester			
Forward speed	Monitor and adjust according to field conditions		
Tractor PTO speed	Monitor and adjust according to field conditions		
Machine intake			
Share depth and angle	Adjust to control soil volume, avoid cutting crop and avoid stone intake, set share level with the top of intake web to avoid bruising		
Diablo/wheel pressure	Low as possible without bulldozing		
Disc settings	Make sure discs are set to correct width to avoid cutting crop, don't set too deep to avoid carrying the intake		
Intake web			
Intake web pitch dependent on crop size and conditions	45-50mm	40mm	35mm
Intake web speed	Monitor and adjust according to field conditions		
Main web			
Size dependent on crop size and conditions	45-50mm	40-45mm	32mm or 35mm
Speed	Monitor and adjust according to field conditions		
1st Agitator (off/min/mid/max)	Mid/max	Min	Off
2nd Agitator (off/min/mid/max)	Mid/max	Min	Off

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Transfer			
1st haulm roller position	Judge by amount of haulm and crop size		
Haulm roller feed fingers	Up for long haulm, down for short haulm		
2nd Web: pitch	40mm or 44mm	40mm	32mm or 35mm
Speed	Forward speed +25%	Same as forward speed	Forward speed -25%
2nd transfer			
2nd haulm roller position	Judge by amount of haulm and crop size		
Haulm roller feed fingers	Up for long haulm, down for short haulm		
Cleaning units			
RS separator	Judge by crop size and conditions		
– RS rollers: diameter	70mm, 75mm or 80mm	80mm	80mm, 85mm or 90mm
– Speed	70%	70%	70%
– Angle	Upwards	Level to downwards	Level to downwards
– Flaps/brush position	Up for long haulm, down for short haulm		
– Crop fill	Judge by crop size and sieving capacity needed through harvester		
Multisep separator	Judge by crop size and conditions		
– Segments	10mm or 20mm	8mm or 10mm	8mm
– Speed	70%	70%	70%
– Angle	Upwards	Level to downwards	Level to downwards
– Plain roller position	High	Middle to low	Middle to low
– Flaps/brush position	Up for long haulm, down for short haulm		
Picking table			
Picking table speed	Equal to web or separator speed		
Cart elevator			
Elevator speed	Aim for pockets to be 2/3rds full to cushion crop and prevent roll back		
Elevator position	As low to the trailer bottom and crop as possible, fill trailers from front to back using a layering method. When filling boxes use a box filling chute		