

Wang G, Jia H L, Tang L, Zhuang J, Jiang X M, Guo M Z. Design of variable screw pitch rib snapping roller and residue cutter for corn harvesters. *Int J Agric & Biol Eng*, 2016; 9(1): 27–34.



Figure 3 Field imitating experiment

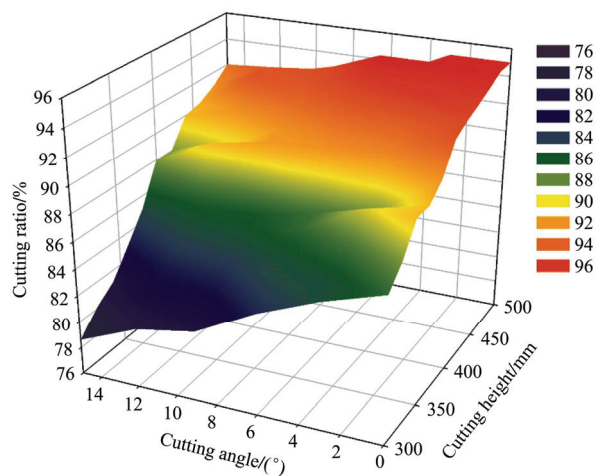
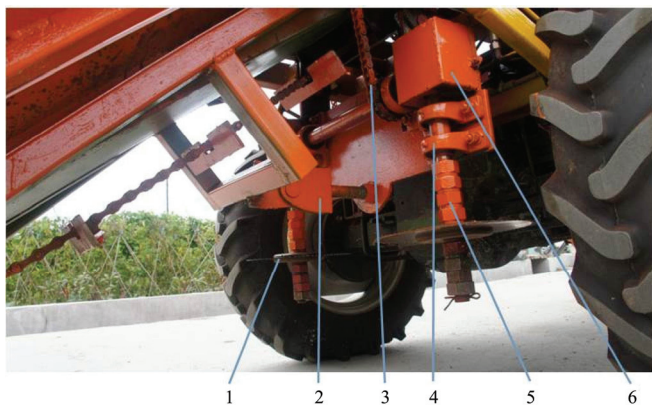


Figure 6 Relationship among cutting ratio, cutting height and cutting angle



1. Cutter-head
2. Adjust mechanism of cutting angle
3. Driving chain
4. Bearings
5. Mechanism to adjust cutting height
6. Reverse gear box

Figure 4 Cutter with adjustable cutting angle of the disks

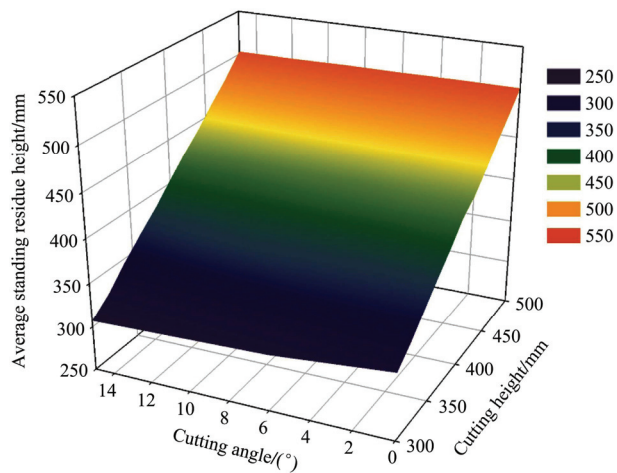


Figure 7 Relationship among average SRH, cutting height and cutting angle



Figure 5 Field experiment



Figure 8 Operation effect