

Hu Y G, et al. Comparative experiments and effectiveness evaluation on vertical blowing fans (VBF) for frost protection. *Int J Agric & Biol Eng*, 2015; 8(5): 36–42.

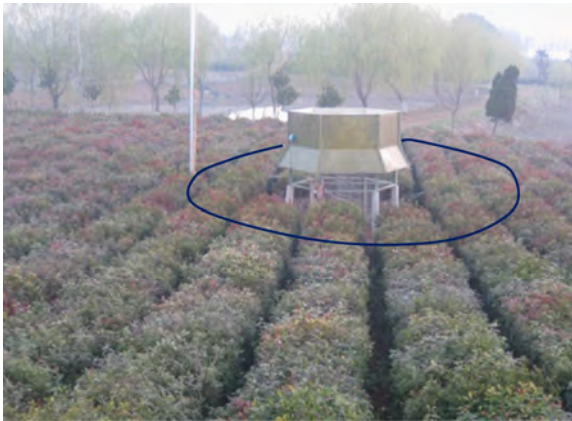


Figure 9 Limited protection area with JUVBF operation

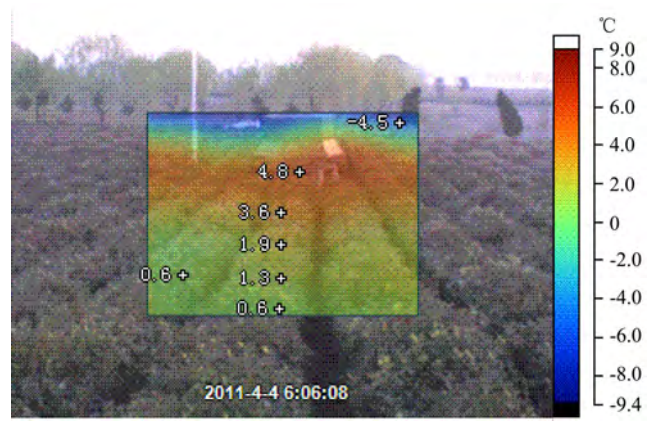
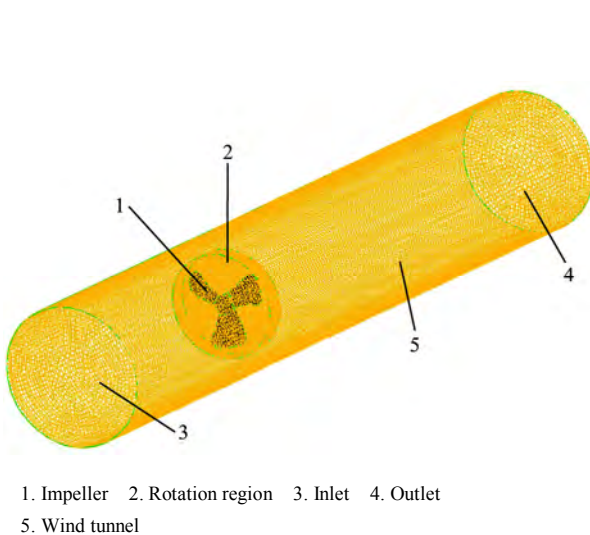


Figure 10 Infrared thermal image of the area protected with VBF

Wu W Y, et al. Optimal design of wind machine impeller for frost protection based on CFD and its field test on airflow disturbance. *Int J Agric & Biol Eng*, 2015; 8(5): 43–49.



1. Impeller 2. Rotation region 3. Inlet 4. Outlet
5. Wind tunnel

Figure 3 Grid generation of the entity model

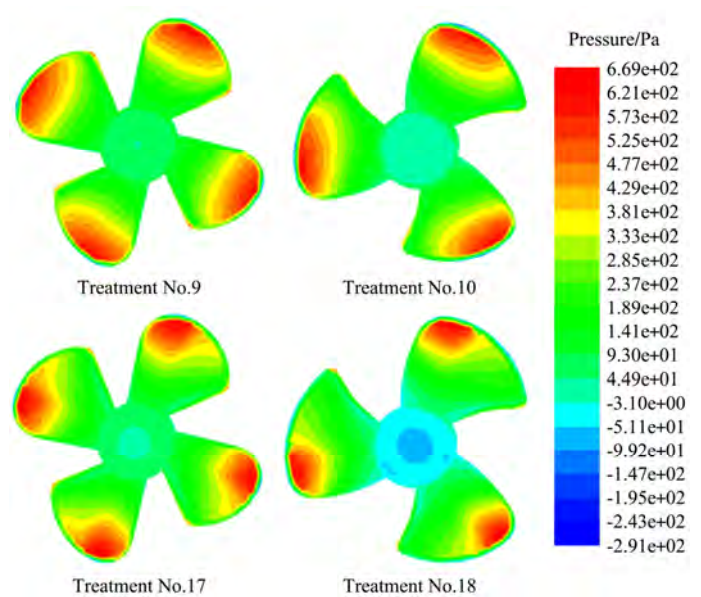


Figure 4 Distribution of surface pressure on the windward side