Studies on the Harvesting Machine for Japanese Apricot

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Summary

The developed harvesting machine for Japanese apricot was consisted of a 5.5HP gasoline engine as the power to drive air compressor for generating air flow which could operate a harvesting bars at the same time。The pressure being at 6-8 Kg/cm^2，the hook of the harvesting bar could vibrate 400-500 times per minute and the fruits borne on the branches were generally dropped out by the vibration at the first 5 seconds, and a complete vibration was taken in 10 seconds。The dropping rate reached over 92%，while the littering rate only 1.0-1.2%。

Key works：Japanese apricot，Air compressed vibration，Harvesting machine.

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