

Apple Orchard Systems in China



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Total acreage: >5M acres; Average yield: 6 tons/acre
Total production: >30M tons; Average farm size: <1 acre



Major Problems in Apple Production in China

- Most trees (>95%) are on seedling rootstocks
- Both fruit thinning & bagging are manual, and labor costs are on the rise
- Low soil organic matter and overuse of fertilizers

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Bending branches to horizontal + girdling





On *Malus sieversii* rootstock





**Hanfu/GM256/*M. baccata*
In Liaoning Province**



Spur Fuji/M. 26/M. prunifolia





3rd leaf Fuji (left) and Goldens (right) on M. 9 T337







Acknowledgments

- **Dr. Mingyu Han, Chief Scientist of the Apple research System in China**
- **Dr. Yongbing Yuan, Professor of Pomology, Qingdao Agricultural University**

