

手扶拖拉机专用深松机果园试验 Experiment of Subsoiling Technique in Apple Orchard

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摘要: 设计了手扶拖拉机配套的专用深松机,并在苹果园进行了田间对比试验。试验结果表明,深松作业降低了苹果园土壤容重,改善了土壤孔隙状况,土壤贮水库容增加,深松两年后果园土壤0~1 m土层内贮水量较耕翻处理高24.8 mm。深松第3年土壤有机质、全氮含量分别较耕翻及旋耕高0.70 g/kg、0.18 mg/kg及0.43 g/kg、0.16 mg/kg。手扶拖拉机专用深松机作为一种果园土壤耕作机械在渭北地区有较好的推广前景。 The subsoiler drawn by walking tractor was designed, and the orchard contrast experiment was carried out. The result showed that the soil bulk density was decreased; the soil porosity condition was improved; the water content in soil was enhanced within 1m layer; the soil organic matter and soil total nitrogen also enhanced after subsoiled. The subsoiler special for walking tractor as a new type of orchard soil management measures in Weibei area will has good prospects for promotion.

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