WALNUT STUMP REGROWTH CONTROL

G. S. Sibbett

Objective: To evaluate several chemicals for controlling regrowth of walnut stumps of trees thinned from high density orchards.

Procedure: Serr walnut trees were thinned from a 12-year-old crowded walnut orchard by cutting alternate trees in alternate rows at ground level. At cutting, 2/22/83, the freshly cut stump was treated with 100% Weedar 64® (2,4-D), or Roundup®. Treatments of Vapam® or Telone® were also included in the test and trenched at labeled rates around stumps just cut. Regrowth during the 1983 season was observed and rated. Phytotoxicity to adjoining walnut trees was also rated.

Results: Vapam®, Weedar 64®, and Roundup® provided 100% suppression of regrowth from treated stumps. Regrowth was substantial in untreated stumps and those treated with Telone®. Trees, apparently root grafted to those where the tops were removed, were severely injured adjoining stumps treated with Roundup®.

Conclusion: According to these tests, 2,4-D (Weedar 64®) and Vapam® can be successfully used to suppress or inhibit sprouting of walnut stumps.