

CUTWORMS - CONCORD GRAPES

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Barriers for Control of Cutworm Damage to Concord Grape Buds

Strips of Teflon fabric were placed around concord grape vine trunks in 1980 with an adjacent vine as a control. Vines with barriers averaged 4.3 indured buds while controls had 8.0. In 1981 and 1982, barriers were placed on vines only and on vines and trellis posts. Although bud injury in the barrier treatments was higher than the economic damage level, than the barrier treated vines. Yield was significantly higher than the economic damage level, control vines in both years had significantly more bud damage than the barrier treated vines. Yield was significantly greater in the barrier treated vines being up to two times greater per vine and up to 9026 more kg/ha. This represents an increase of up to \$1,592 per ha over the controls. The addition of barriers to trellis posts had little or no advantage over barriers on vines only.