A Bordeaux rate trial was conducted on Ashley walnuts in an effort to continue gathering information on optimum Bordeaux rates, to evaluate any walnut blight control achieved by applying a dormant (12/19/77) 16-10-100 Bordeaux spray, and to evaluate the benefits of adding oil or sticker to a Bordeaux spray.

Bordeaux sprays containing a minimum of 12 pounds of copper and 7 1/2 pounds of lime applied per acre resulted in significantly less walnut blight than treatments containing less amounts of copper and lime. There was no significant increase in protection from using rates higher than 12 pounds copper, 7 1/2 pounds lime per acre.

The dormant spray in December of 16-10-100 Bordeaux with and without Turgetol spreader sticker and with and without Sungard® sticker gave no additional protection over the traditional spring blight spray program.

In a spring spray program the addition of oil or Sungard® sticker provided no significant benefit or detriment in blight control. The addition of 1/2% summer oil emulsion completely eliminated copper phytoxicity which was present on all treatments not containing oil.

These trials were replicated 10 times with single tree replicates, sprayed by hand gun at the rate of 500 GPA. Four applications were applied in the spring at 18 day intervals beginning at early catkin swell. The untreated check trees averaged 84% blighted walnuts.