Four insecticide treatments were applied to the side of the potato row 4 inches to the side and 4 inches deep in replicated small plots one week after potato emergence. Furadan 4F (3.0 lbs ai/A) and NTN 33893 FS (.03 g/meter row) provided good control through 6 weeks and limited control through 8 weeks. Furadan 4F (1.5 lbs) had good control through 5 weeks but declined in efficacy thereafter. Thimet 20G (11 oz/1000 ft row) provided marginal control after 2 weeks but was significantly better than UTC. Total potato yield at harvest favored NTN 33893 followed closely by Furadan (3.0)