

Orchard Autonomy and Precision Targeting Using RIPPA and VIIPA



We recently conducted a trial demonstrating the RIPPA robot working on an apple orchard in Three Bridges, Victoria, Australia. RIPPA operated autonomously up and down the apple rows and was able to change rows at the headlands by moving sideways. The trial demonstrated VIIPA autonomously and in real time detecting then targeting apples with variable rates of fluid.

The video below shows some of the experiments conducted on the trial:

Future applications of the technology include pest management, pruning, thinning, and pollinating in tree crop farming.