

# An information system for horticulture: almonds

We show an end to end system for acquiring high resolution information to support precision agriculture in almond orchards.

The robot drives along the orchard rows autonomously, gathering laser and camera data while passing the trees. Each tree can be automatically identified, and information such as flower and fruit counts is produced. The information can be stored in a database, compared through the season and from one year to the next, mapped and displayed visually.