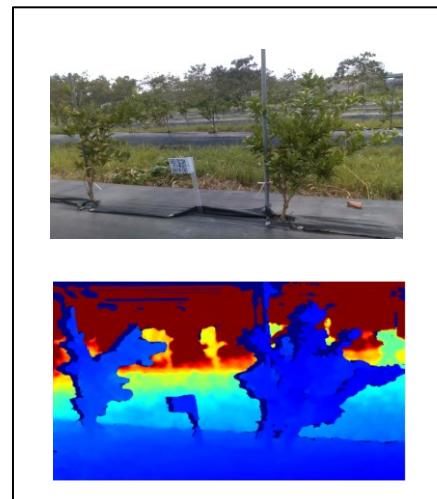
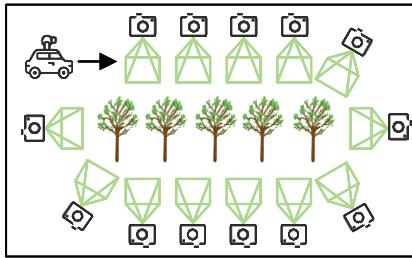


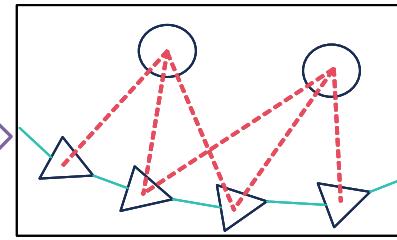
## A: Data Acquisition



RGB-D

## B: Pose Estimation

ORB-SLAM3



Camera Positioning



Point Cloud Initialization

Pose

## C: Viewpoint Extraction

YOLO-World

2D Relation

3D Matching

3D Relation



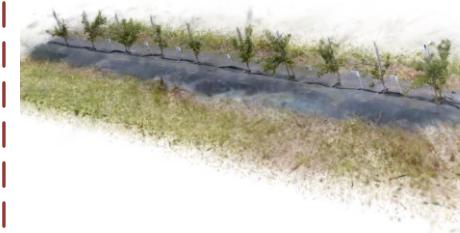
Single Plant Image Sequence

## D: 3D Reconstruction

An Improved 3DGS Framework



Single Plant Reconstruction



Orchard Reconstruction