Oria AGRICULTURE

TreeScout

PRECISION AGRICULTURE

TreeScout Camera

Every Fruit Counts

How It Works

The TreeScout camera enables tree-by-tree management of flower thinning, fruit set and growth regulation.

The result: higher yields per hectare and a reduced environmental impact through more efficient use of crop protection products.



Smarter Seasonal Orchard Management

From pruning to harvest, TreeScout supports growers throughout the season with precise, actionable information:



WINTER
Tree positioning
Root pruning based on the previous season's vigour maps
Pruning



SPRING
Flower mapping
Tree-by-tree flower thinning
Fertilisation based on vigour maps
Fruit counting for accurate harvest forecasting



SUMMER
Vigour mapping for root pruning
Map validation
Start of harvest



AUTUMN
Final growth measurements
End of harvest
Vigour mapping
Start of pruning



FEATURES

- **Tree Positioning**

The precise location of each tree enables the creation of prescription maps for individual tree treatments.

- **Fruit Load Management**

Flower detection-based thinning,
Tree-by-tree flower maps enable targeted flower bud treatments,
Up to €3,000/ha in additional revenue from increased yield alone (validated by universities and growers), along with more uniform fruit size.

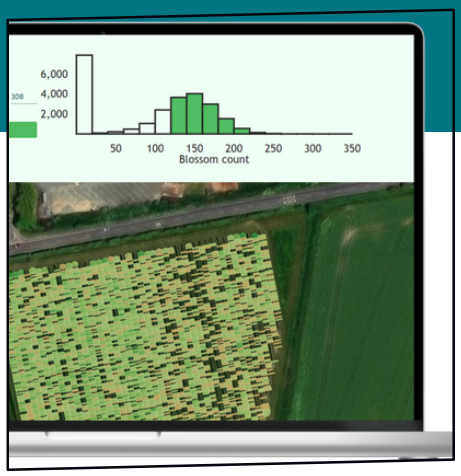
- **Vigour Management**

A balanced vigour is essential for healthy trees and high fruit production,
Vigour maps support root pruning, chemical growth regulation and tree-by-tree fertilisation.

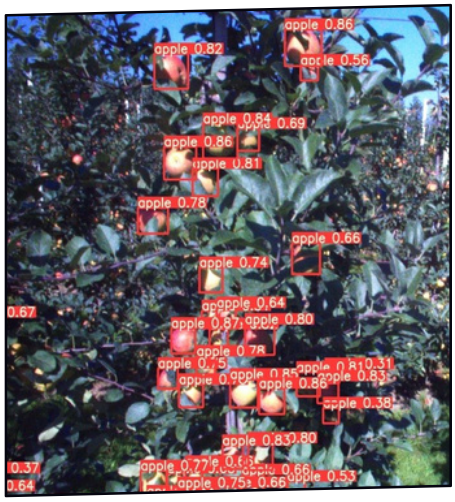
- **Harvest Forecasting**

Plan labour, storage and sales more effectively, with fewer surprises,
Fruit counting provides an estimate of the expected yield for each orchard block,
Flower mapping reveals the orchard's yield potential as early as spring.









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www.oriaagriculture.com