The operating system for autonomous agriculture

Angus Hogan, Horticulture Project Lead
Delivering working solutions to Aus farmers

Lightweight, simple & adaptable

On-board integrated intelligence, safe and efficient operation

Platform approach - Developing new techniques, methods and approaches for better farming

Bringing new tools to the hands of farmers, to develop better farming systems
• Commercially viable system for variable rate flower thinning.

• Success measured by adoption and impact to industry - tractor and robotic solutions

• Additional output - autonomy in the orchard - a SwarmFarm solution suitable for orchard environments
Automation and new farming systems for horticulture

Vision ID System

Decision Support Tool

Spray Technology
B2
Dormex Gala & Pink Lady
7th October 2019
1 – 2m section of canopy
Pink Lady
Band 2: 1-2m canopy
Row average flower density
2 equal division classes
Spray Plan
6th October 2019

Bottom Target Rates

Top Target Rates

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<th>R19</th>
<th>R14</th>
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<tbody>
<tr>
<td>L/row</td>
<td>34</td>
<td>50</td>
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<tr>
<td>L/Ha</td>
<td>654</td>
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<td>Average</td>
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<tr>
<td>Standard</td>
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25% more coverage per vat