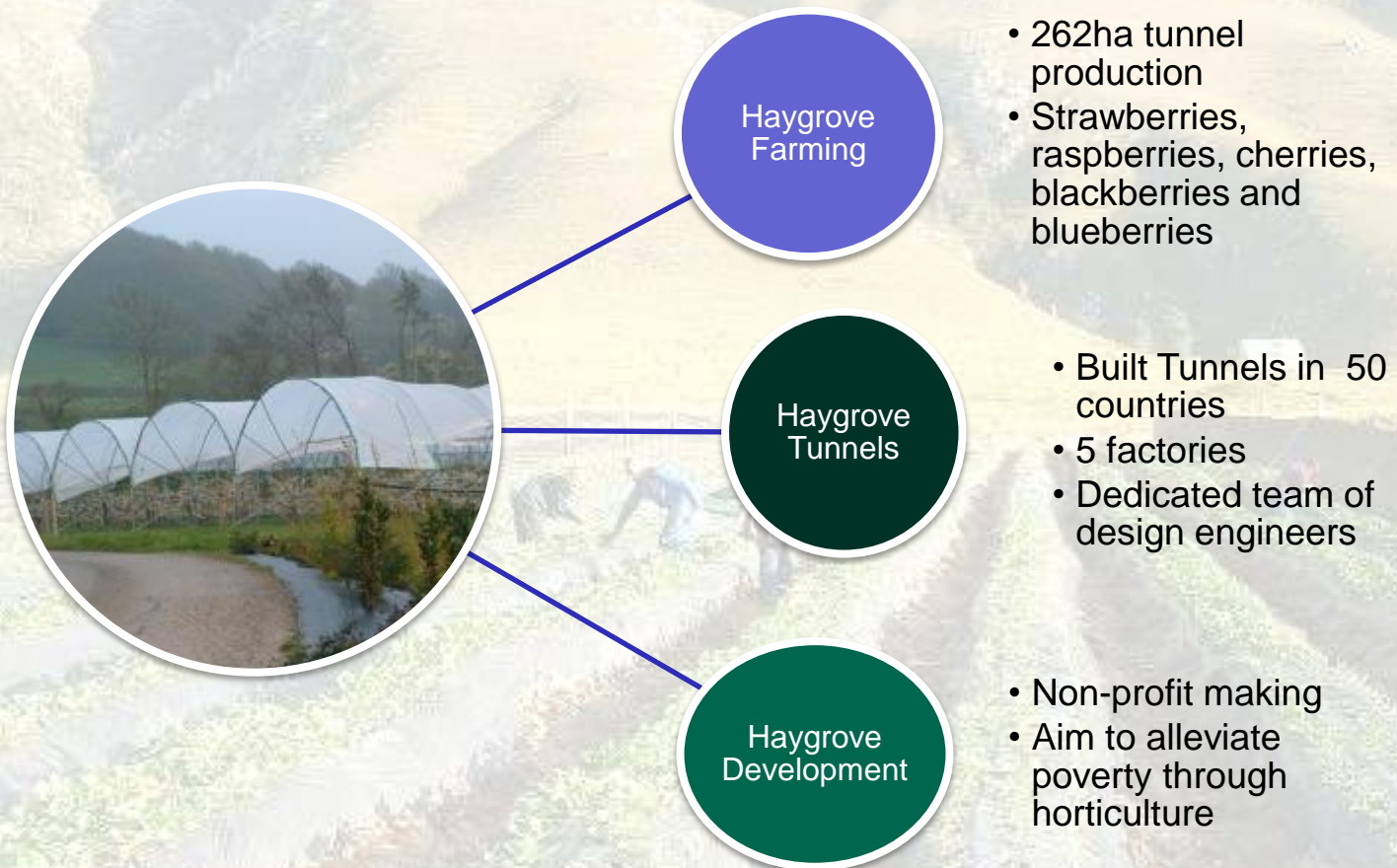




**Irish Berry  
Seminar  
2014**

# **Haygrove – Past, Present and Future**

- Started growing strawberries on 1-acre in 1988
- Haygrove Tunnels started in 1996 in response to our own farming need for rain protection







# Haygrove Growing UK

Crops: Cherries, Strawberries,  
Raspberries, Blackberries,  
Blueberries

# Crops Grown - Raspberries

- Raspberries -153 hectares
- Main Variety – Maravilla
- Substrate, soil grown & organic





# Crops Grown - Strawberries

- Strawberries -59 hectares
- Main Varieties – Elsanta, Jubilee, Lusa, Amesti
- Substrate, soil grown & organic



# Crops Grown - Cherries

- Cherries -27 hectares
- Main Varieties – Kordia, Regina, Karina, Sweetheart, Lapins
- Soil grown & organic





# Haygrove Growing SA

Farms: Hermanus, George



# Haygrove Growing Systems

Commercial Tunnels





# Field-scale





# Portable





# Full Tractor Access







Follow contours  
of the ground



# Self-build





Fully sealed

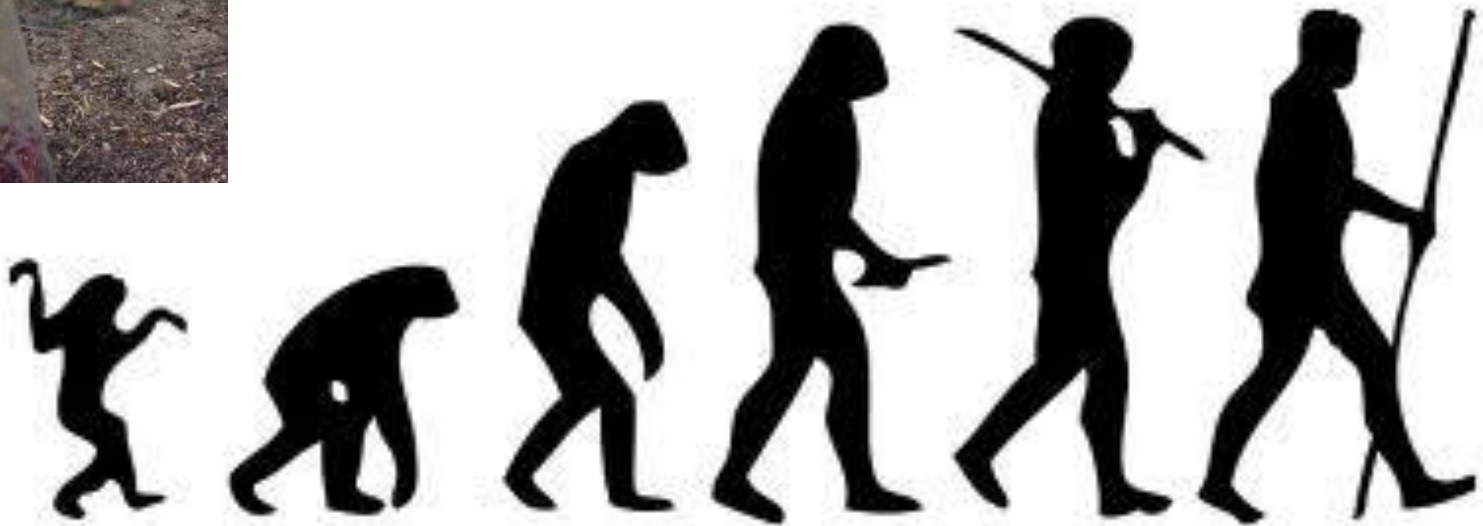






Fully opened

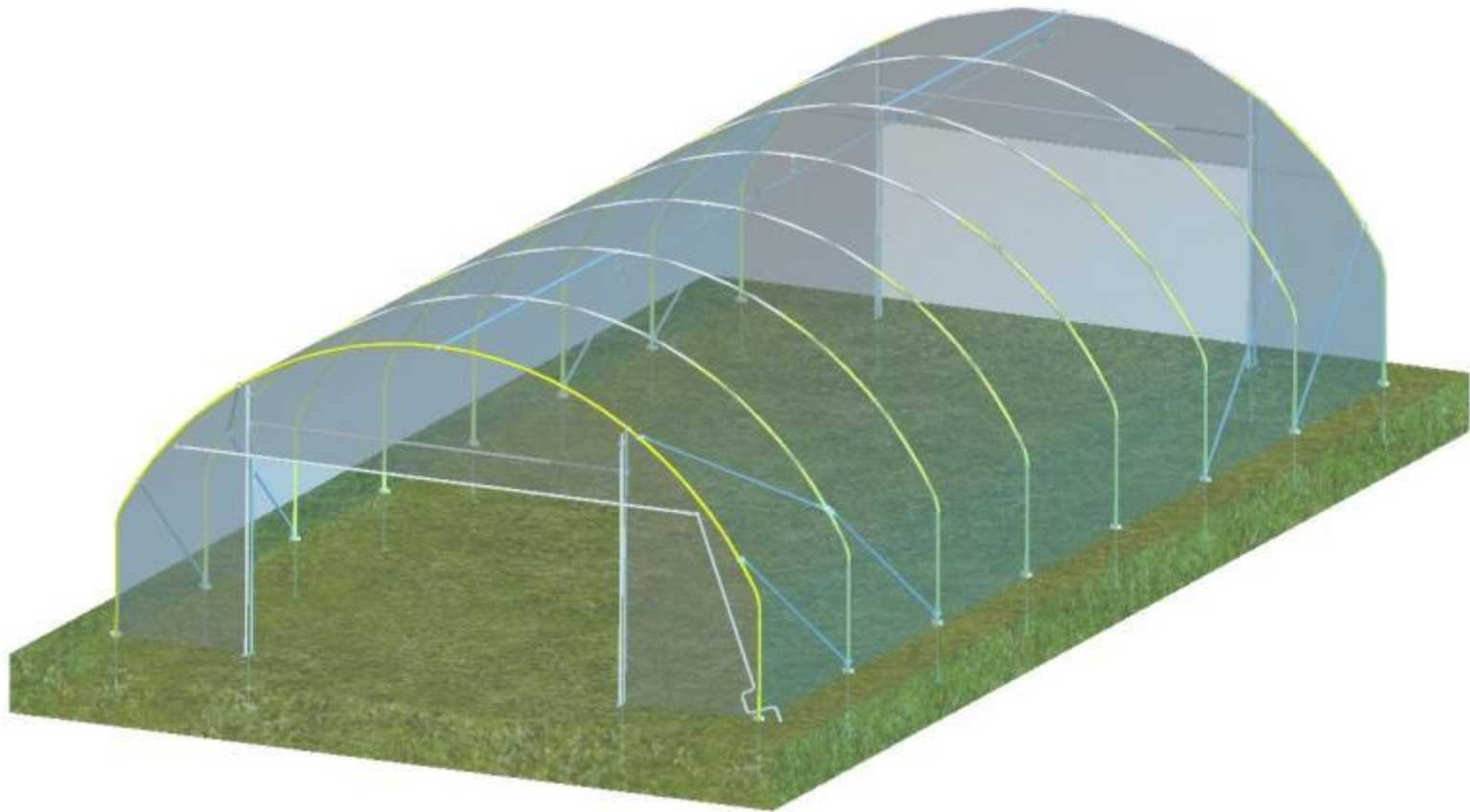








# Designs: *Super Solo Series*





# Designs: *Super Solo Series*





# Designs: Solo Series

*Streamline Doors*

19/04/2007 08:33



## Different hoop profiles

- Bigger air volume
- Better picker access
- Easier for spraying



# Steel Choice

## *Cost vs Benefit*

<b>35 x 1.5mm Standard</b>	<b>100 %</b>
----------------------------	--------------

<b>40 x 1.5mm Standard</b>	<b>132 %</b>
----------------------------	--------------

<b>40 x 1.5mm Extra Strong</b>	<b>165 %</b>
--------------------------------	--------------

<b>40 x 2mm Extra Strong</b>	<b>213 %</b>
------------------------------	--------------

<b>40 x 2.5mm Extra Strong</b>	<b>256 %</b>
--------------------------------	--------------

Based on Maximum Bending Moments, (kgm)



# Retrofit Pathway

Haygrove



Rain cover



+ Steel gutters



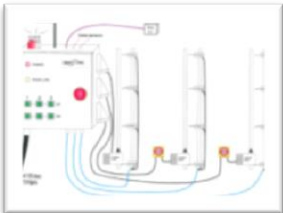
+ Electric ends & sides



+ Electric roof vent



+ Integrated climate controls



Field-scale Tunnel



Field-scale Glasshouse

# Retrofit pathway: *steel gutters*







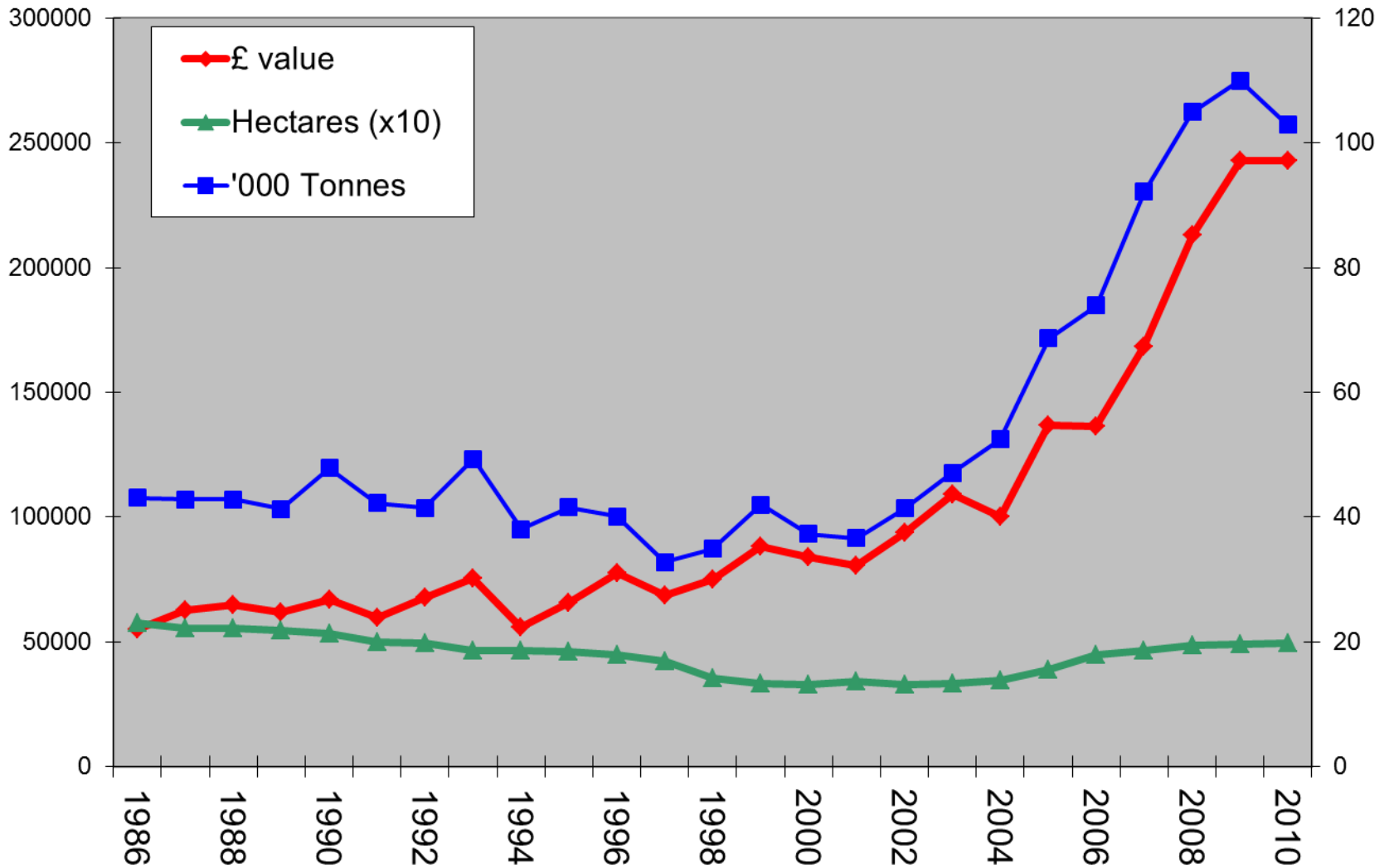
Retrofit pathway: *electric doors*



Retrofit pathway: *electric roof venting*



# UK Strawberry Statistics





# Haygrove Growing Systems

Substrate Growing Systems





## Single Gutter

Block A

6-rows per tunnel

7692 linear meters

Variety Amesti

10 plants per m



## Telescopic

Block B

8-rows per tunnel

10,256 linear meters

Variety Amesti

10 plants per m





- ✓ Six rows per tunnel
- ✓ 3m leg spacing
- ✓ Leaf & truss support every 1m or 1.5m
- ✓ Picking height as required
- ✓ End and mid drainage



## Telescopic Substrate System

- ✓ Eight rows per tunnel
- ✓ System telescopes and sits on the floor overwinter for fleecing and forcing earlier harvest
- ✓ System is lifted prior to picking
- ✓ Central net bridge for presentation of fruit between double row







**Tractor  
Spraying**



A photograph showing a red Haygrove Roll Forming Machine in operation. The machine is processing a large roll of white material, likely plastic or metal sheet, into a curved shape. A person in a striped shirt is standing behind the machine, operating it. In the background, there are several long, covered structures, possibly greenhouses or covered walkways, with a person visible in the distance. The scene is outdoors on a dirt path.

# Haygrove Roll Forming Machine

# Technical Description

<b>Steel Gutter</b>	0.65mm rolled steel gutter
<b>Gutter corrosion Protection</b>	Zinc treated pre-galvanised steel protected with different options: <ul style="list-style-type: none"><li>• Primer and white polyester finish</li><li>• Primer and Polyurethane finish</li></ul>
<b>Leg Spacing</b>	3m
<b>Working height</b>	0.9m to 1.2m depending on requirements
<b>Drainage</b>	Plastic end drainage and mid gutter drainage options available
<b>Truss and leaf support system</b>	Pre-galvanised steel leaf and truss support brackets every 1m or 1.5m depending on specification
<b>Installation</b>	Formed in the field using the Haygrove Roll Forming Machine

