

# Potatoes in Practice 2012



Thursday 9th August  
9.30am to 4.30pm  
Balruddery Farm  
Invergowrie  
Dundee DD2 5LJ



The James  
**Hutton**  
Institute



**Agrii**™

Supported by

**POTATO**  
*Review*

Field Trials & Demonstrations,  
Seminars and Exhibitors Guide

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# Welcome to Potatoes in Practice 2012

**The James Hutton Institute, SAC, Agrii (formerly Masstock Arable) and the Potato Council welcome you to Potatoes in Practice 2012. This event is Britain's premier field based event dedicated to the potato industry, attracting more international visitors each year.**

**This is the fourth year PiP has been held at the James Hutton Institute's Balruddery Farm. The event is supported by Potato Review.**

This is a unique opportunity for farmers, advisers and others to view government and industry-supported research and new developments at a single site. Specialists from all sectors will be on hand to discuss your questions on the latest trials and research.

There will be a host of industry leading companies with demonstrations in the commercial section of the trials field and with exhibits in the event marquee. There will also be a series of technical seminars open to all attendees complementing the field-based research demonstrations.

Please note that many of the demonstrations and trials on show today are research in progress. For those trials that can be followed through, the results will be collated and analysed post-harvest. These results will be made available on the James Hutton Institute's website **[www.hutton.ac.uk](http://www.hutton.ac.uk)** under Potatoes in Practice, or via the Potato Council website, **[www.potato.org.uk/knowledge-hub](http://www.potato.org.uk/knowledge-hub)**.

**Please complete a feedback form or email your feedback to us to help make this a better event every year. Send your feedback to: [events@hutton.ac.uk](mailto:events@hutton.ac.uk)**

## Principal Organisers:

### **The James Hutton Institute:**

Sharon Neilson (Events Coordinator), Euan Caldwell (Farm Manager), and Dr Finlay Dale (Research Scientist).

### **Scottish Agricultural College (SAC):**

Dr Daan Kiezebrink (Applied Potato Pathologist).

### **Potato Council:**

Sophie Lock (Seed & Export Executive).

### **Agrii:**

Andrew Sprunt (Regional Technical Agronomist), David Barclay (Agronomist), Colin Rennie (Agronomist)

# Programme

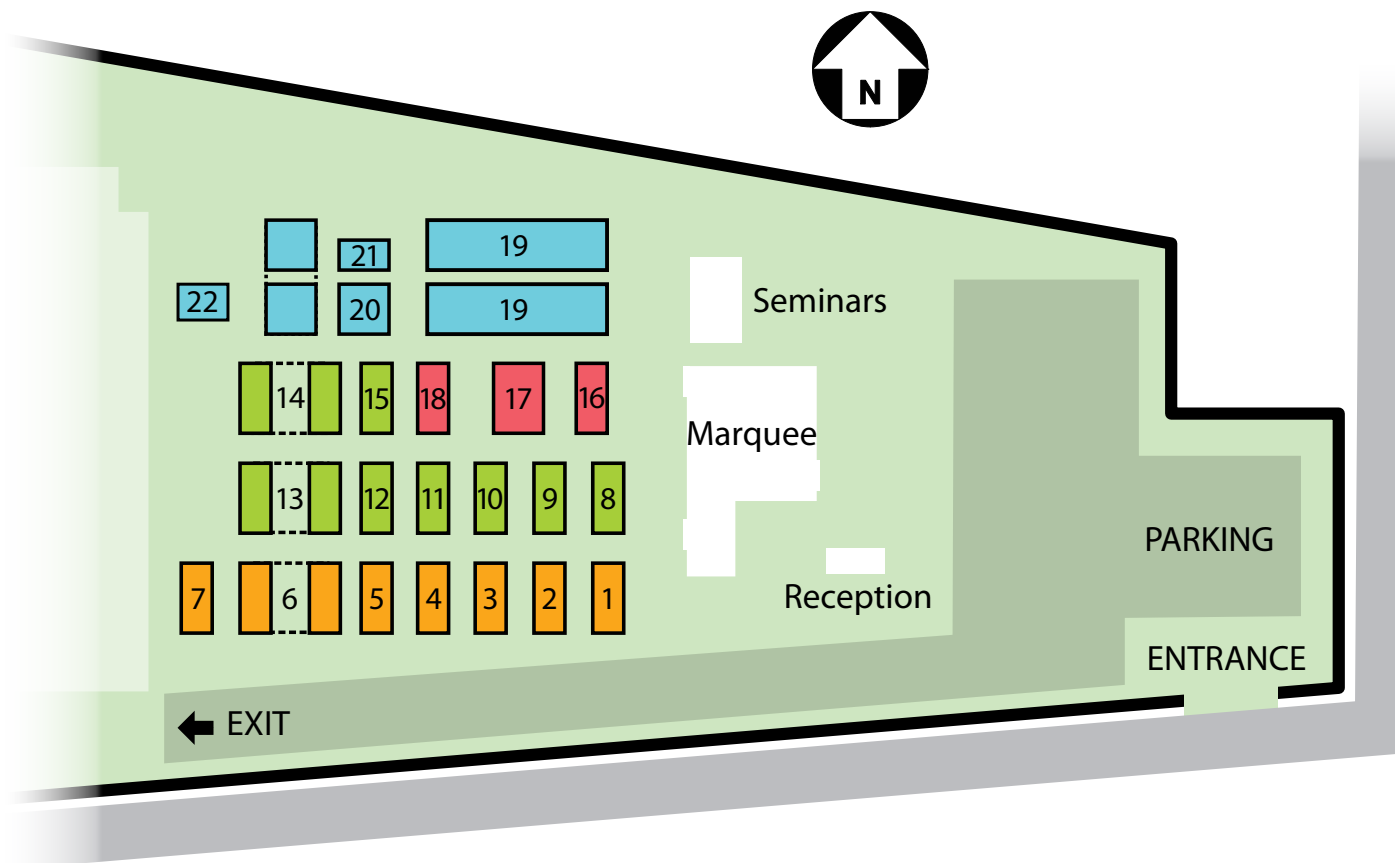
- 9.30am**      **Start of Event**  
Marquee is open from 9.30am until 4.30pm  
Machinery can be viewed at any time  
Field Trials will be manned from 10am – 12.30pm and 1.30pm – 4.30pm.  
Visitors are free to return to any of the trials to hold further discussions with exhibitors.
- 10.00am**      **Guided tour of trials – Tours take about 1hr**  
Tour 1 – Variety and Research Trials  
Tour 2 – Variety and Agronomy Trials  
Tour 3 – SAC and Potato Council-sponsored Trials  
Tour 4 – Agrii Trials
- 10.30am**      **Seminar (in the seminar tent by the marquee)**  
Growing to meet specific markets – a packers perspective  
Jim Aitken, Senior Field Services Manager, Branston Ltd.
- 11.10am**      **Seminar (in the seminar tent by the marquee)**  
Late blight in 2012 – status report  
Dr David Cooke, Cell and Molecular Sciences, The James Hutton Institute
- 11.30am**      **Guided tour of trials – Tours take about 1 hr**  
Tour 1 – Variety and Research Trials  
Tour 2 – Variety and Agronomy Trials  
Tour 3 – SAC and Potato Council-sponsored Trials  
Tour 4 – Agrii Trials
- 11.50am**      **Seminar (in the seminar tent by the marquee)**  
Control of aphid vectors on the seed potato crop  
Dr Brian Fenton, Ecological Sciences, The James Hutton Institute
- 1.00pm**      **Address outside the marquee given by Allan Stevenson (Chairman, Potato Council) and Professor Iain Gordon (Chief Executive, The James Hutton Institute)**
- 1.30pm**      **Guided tour of trials – Tours take about 1 hr**  
Tour 1 – Variety and Research Trials  
Tour 2 – Variety and Agronomy Trials  
Tour 3 – SAC and Potato Council-sponsored Trials  
Tour 4 – Agrii Trials

- 2.00pm**      **Seminar (in the seminar tent by the marquee)**  
Growing to meet specific markets – a packers perspective  
Jim Aitken, Senior Field Services Manager, Branston
- 2.40pm**      **Seminar (in the seminar tent by the marquee)**  
Late blight in 2012 – status report  
Dr David Cooke, Cell and Molecular Sciences, The James Hutton Institute
- 3.00pm**      **Whisky Prize Draw – supplied by SSCR (Scottish Society for Crop Research).**  
The winner will be drawn from completed registration and feedback forms (Make sure you fill yours in and hand into the registration desk by 2.30pm to be eligible!)
- 3.20pm**      **Seminar (in the seminar tent by the marquee)**  
Control of aphid vectors on the seed potato crop  
Dr Brian Fenton, Ecological Sciences, The James Hutton Institute
- 4.30pm**      **Close of Event**

**Following the tours, visitors are free to return to any of the plots to hold further discussions with exhibitors.**

**Plots will be manned until 4.30pm.**

# Site Plan and Tour Descriptions



## Tour 1 – Variety Trials and Research Trials

- 1 ..... Grampian Growers Ltd.
- 2 ..... Branston Ltd.
- 3 ..... Cygnet PB Ltd.
- 4 ..... The James Hutton Institute – Breeding potatoes for different uses and markets
- 5 ..... The James Hutton Institute – Application of association mapping and genomic sequencing to modern potato breeding
- 6 ..... Agrinos AS
- 7 ..... KWS Ltd.

## Tour 2 – Variety Trials and Agronomy Trials

- 8 ..... Agrico UK Ltd.
- 9 ..... Caithness Potatoes Ltd.
- 10 ..... Greenvale AP Ltd.
- 11 ..... IPM (Irish Potato Marketing) Ltd.
- 12 ..... Omex Agriculture Ltd.
- 13 ..... Flex Fertilizer System ApS
- 14 ..... Agrovista UK Ltd.
- 15 ..... Glenside Group

## Tour 3 – SAC and Potato Council Demonstrations

- Highlights and discussions of current issues in potato production amongst our demonstration trials
- 19 ..... Maxim 100 FS trial (Syngenta)
  - 20 ..... Haulm destruction and plant health
  - 21 ..... Mineral oils and aphid control
  - 22 ..... Herbicide variety sensitivity

## Tour 4 – Agrii

- A brief summary of this year's trial plots and services offered by Agrii
- 16 ..... Technical services demonstrations
  - 17 ..... Foliar nutrition
  - 18 ..... Herbicide trials

# Seminars

Seminars will be held in the seminar tent alongside the main marquee. Look for posters with times and other last minute messages by the registration desk, Trial tour starting points are signposted and are located just outside the main marquee.

## 10.30am and 2pm

### Growing for the market - a packers perspective

Jim Aitken, Branston

Jim will talk through the main requirements when supplying one of the country's leading retailers with table potatoes. This will include aspects of production that influence the quality and quantity of production from the farm; from field selection to cold storage. Equally important is an understanding of final customer expectations and how purchasing trends shape what we supply. Recent sales data demonstrate how Branston's Producer Group has adapted to these trends and highlights how essential it is to maintain direct and effective communication links with major customers. Having worked as an agronomist with local growers for many years Jim will provide examples of good and bad farming practice. He'll describe what qualities looked for in a grower and discuss where there may be further opportunities to supply Branston.

## 11.10am and 2.40pm

### Late blight in 2012 – a status report

Dr David Cooke, The James Hutton Institute

In the last five seasons, populations of the blight pathogen have been dramatically altered by new clonal lineages spreading from continental Europe. In the 2011 season we noted the displacement of 13\_A2 by 6\_A1, perhaps related to the dry weather conditions early in the season suppressing primary inoculum. Late in 2011 the green33 lineage was another new arrival to our shores and is of concern due to reduced sensitivity to fluazinam observed amongst green33 isolates in the Netherlands. These three new types of blight highlight the risks posed by soil-borne oospores that form when the A1 and A2 types mate. The risks from oospores are known to be greater in wet conditions such as those experienced in many regions in 2012. In this context, an update of the status of the population in the first blight outbreaks in 2012 will be presented and the management implications discussed.

# Seminars

## 11.50am and 3.20pm

### Control of aphid vectors on the seed potato crop

Dr Brian Fenton, The James Hutton Institute

Sustainable management of aphid vectors of potato viruses is important for the propagation of classified potato seed. Aphids are the major vectors of many viruses including potato leafroll virus (PLRV), potato virus A (PVA) and potato virus Y (PVY). Although the peach-potato aphid is one of the most efficient vectors, it is often not the most prolific species. Control of insecticide resistant peach potato aphids does remain important. Because of their abundance, cereal aphids are also important virus vectors, but these do not colonise or originate from the potato crops and control strategies need to consider this. This presentation will describe the latest research on insecticide resistance and aphid control strategies.

# Exhibitor List

Page No.		
<b>21</b>	Agrico UK Ltd.	Field trial
<b>88</b>	Agricar Ltd.	Outside
<b>20 &amp; 44</b>	Agrii	Field trials and Marquee exhibit
<b>22 &amp; 46</b>	Agrinos AS	Field trial and Marquee exhibit
<b>24</b>	Agrovista UK	Field trial
<b>89</b>	Alan Mackay Machinery Ltd.	Outside
<b>88</b>	AM Philip Agritech	Outside
<b>47</b>	BASF plc	Marquee exhibit
<b>47</b>	Bayer Crop Science Ltd.	Marquee exhibit
<b>48</b>	Belchim Crop Protection Ltd.	Marquee exhibit
<b>50</b>	Biofresh Ltd.	Marquee exhibit
<b>52</b>	Brackenbury Engineering Ltd.	Marquee exhibit
<b>52</b>	Bradley Refrigeration Ltd.	Marquee exhibit
<b>25</b>	Branston	Field trial
<b>26</b>	Caithness Potatoes Ltd.	Field trial
<b>53</b>	Certis Europe BV	Marquee exhibit
<b>28</b>	Cygnnet PB Ltd.	Field trial
<b>53</b>	DT Dijkstra	Marquee exhibit
<b>54</b>	Dupont (UK) Ltd.	Marquee exhibit
<b>54</b>	EnviroMonitors	Marquee exhibit
<b>56</b>	Farm Electronics Ltd.	Marquee exhibit
<b>58</b>	Fischbein Saxon Ltd.	Marquee exhibit
<b>29</b>	Flex Fertilizer Systems ApS	Field trial
<b>60</b>	Frontier Agriculture Ltd.	Marquee exhibit
<b>30</b>	Glenside Group	Field trial
<b>61</b>	Gowan Comércio International	Marquee exhibit

Page No.		
<b>31</b>	Grampian Growers Ltd.	Field trial
<b>32</b>	Greenvale AP Ltd.	Field trial
<b>62</b>	Grimme (UK) Ltd.	Marquee exhibit
<b>63</b>	Haith Tickhill Group	Marquee exhibit
<b>63</b>	Herbert Engineering Ltd.	Marquee exhibit
<b>64</b>	Higgins Agriculture Ltd.	Marquee exhibit
<b>34</b>	IPM (Irish Potato Marketing) Ltd.	Field trial
<b>66</b>	JD Cooling Systems Ltd.	Marquee exhibit
<b>12 &amp; 41</b>	The James Hutton Institute	Field trials and Marquee exhibit
<b>66</b>	Klim'top Controls	Marquee exhibit
<b>36</b>	KWS Ltd.	Field trial
<b>67</b>	LC Packaging UK Ltd.	Marquee exhibit
<b>45</b>	LEAF	Marquee exhibit
<b>68</b>	Lynchwood Diagnostics Ltd.	Marquee exhibit
<b>70</b>	Makhteshim-Agan UK Ltd.	Marquee exhibit
<b>72</b>	McCain Foods (GB) Ltd.	Marquee exhibit
<b>89</b>	Netherton Tractors Ltd.	Outside
<b>37</b>	Omex Agriculture Ltd.	Field trial
<b>73</b>	Plant Impact plc	Marquee exhibit
<b>74</b>	Plant Solutions Ltd.	Marquee exhibit
<b>40</b>	Potato Council	Marquee exhibit
<b>76</b>	QV Foods Ltd.	Marquee exhibit
<b>76</b>	Redwood Refrigeration Ltd.	Marquee exhibit
<b>78</b>	Ripple Aquaplast	Marquee exhibit
<b>16 &amp; 43</b>	SAC	Field trials and Marquee exhibit
<b>44</b>	SASA	Marquee exhibit

## Exhibitor List

Page No.		
90	Scanstone Potato Systems	Outside
79	Solanis Ltd.	Marquee exhibit
80	Strathmore Potatoes	Marquee exhibit
81	Syngenta Crop Protection UK Ltd.	Marquee exhibit
82	Tong Peal Engineering Ltd.	Marquee exhibit
84	TRP Scotland Ltd.	Marquee exhibit
91	United Box Ltd.	Outside
85	United Phosphorus Ltd.	Marquee exhibit
86	Verbruggen Emmeloord B.V.	Marquee exhibit
86	VG Energy Ltd.	Marquee exhibit
87	Wroot Water Ltd.	Marquee exhibit

## Field Trials and Demonstrations

### The James Hutton Institute

#### Contact Details:

##### Communications

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Web: [www.hutton.ac.uk](http://www.hutton.ac.uk)

#### Breeding potatoes for different uses and markets

##### Plot: 4

#### Contact Details:

**Finlay Dale / Vanessa Young / Ralph Wilson / Drummond Todd**

The James Hutton Institute, Dundee DD2 5DA / Mylnefield Research Services, Dundee DD2 5DA

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Genetics and breeding of potatoes at the James Hutton Institute uses the latest methods of gene discovery to find the genes required for the genetic improvement of the potato; and then uses efficient breeding methods to transfer these genes into potatoes that can be used as parents in the breeding of new cultivars in a number of breeding programmes. Desirable genes are sought in the wide range of germplasm held at the Institute, including accessions of the wild and cultivated potatoes of Latin America in the Commonwealth Potato Collection (CPC), and long-day-adapted *Phureja* potatoes derived from the CPC.

The breeding of cultivars is commercially funded and utilises the unique germplasm and parental material derived from its breeding research programmes and success requires producing new cultivars with the qualities demanded by processors and supermarkets. We have developed a potato breeding strategy which avoids the ineffective practice of intense early-generation visual selection between seedlings in a glasshouse and spaced single plants at a seed site with emphasis now on progeny tests (seedling tests for disease and pest resistance and visual assessment of tubers; and tuber tests for fry colour and further visual

## Field Trials and Demonstrations

assessment) being used to discard whole progenies before starting conventional within-progeny selection at the unreplicated small-plot stage and to place selection pressure within the superior families.

However, potato breeding is now entering a new phase that promises much. Molecular markers have been developed for selection of several important disease resistance and quality traits in potato. We are now starting to deploy such markers within breeding programmes here at the James Hutton Institute.

The diversity of modern potato uses and markets will be discussed, the efforts to develop new varieties to meet new demands and challenges illustrated through some of the recently produced varieties to the benefit of the industry as a whole. This project is jointly funded by the Technology Strategy Board and Industrial partners, namely Cygnet Potato Breeders Ltd., McCain Foods (GB) Ltd., and Mylnefield Research Services Ltd.

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Fontane, Gourmandine, Madeleine,  
Manitou, Mustang, Performer,  
Champion, and Volare.

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Email: [potatoes@agrico.co.uk](mailto:potatoes@agrico.co.uk)

[www.agrico.co.uk](http://www.agrico.co.uk)





# Field Trials and Demonstrations

## Application of association mapping and genomic sequencing to modern potato breeding

### Plot: 5

#### Contact Details:

**Finlay Dale / Glenn Bryan / Sanjeev Kumar Sharma / Karen McLean**

The James Hutton Institute, Dundee DD2 5DA

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sanjeev.sharma@hutton.ac.uk / karen.mclean@hutton.ac.uk**

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The sequencing of the potato genome has the potential to have a radical effect on the efficiency of potato breeding, enhancing identification of desirable allelic variants of genes underlying important quantitative traits, and accelerating trait-gene discovery and gene isolation. This could shorten the time to breed new varieties and also significantly improve parental genotypic assessment.

Due to the genetic complexities posed by tetrasomic inheritance in the potato, most genetic studies are carried out at the diploid level using biparental populations. This causes difficulties in translating and applying the derived results at the tetraploid level. For practical reasons, the molecular dissection of traits at the tetraploid level and across a wider and more diverse range of germplasm using high-throughput molecular marker platforms is highly desirable.

Association mapping is gaining importance for studying the genetics of natural variation and traits of agricultural importance and offers significant advantages such as increased mapping resolution, reduced research time, and greater allele number. The availability and success of high-throughput genotyping platforms have further enhanced the efficiency and resolution power of genetic/linkage disequilibrium (LD) mapping.

We are analysing the potential of genome-wide association mapping in tetraploid potato using a 'genotyping by sequencing' approach as well as more conventional high-throughput genotyping technologies for genome analysis and genetic improvement of potato. This will involve identification of genes and markers underlying a range of economically important traits including yield, nutrient use efficiency, dry matter, disease resistance, tuber shape, size, number, colour etc. Towards this, an elite association mapping panel of 350 diverse tetraploid potato cultivars has been genotyped using SolCAP potato 8303 Infinium single nucleotide polymorphism (SNP) array and further analysis is underway.

This effort will lead to a number of key diagnostic markers for yield and quality for use by the potato industry and will help providing early identification of parents with desirable traits and rapid improvement in commercial varieties for more sustainable potato production.

## SAC (Scottish Agricultural College)

#### Contact Details:

**Daan Kiezebrink**

SAC, Ferguson Building, Craibstone Estate, Aberdeen, AB21 9YA

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## Maxim 100 FS trial on behalf of Syngenta

### Plot: 19

#### Contact Details:

**Daan Kiezebrink**

SAC, Ferguson Building, Craibstone Estate, Aberdeen, AB21 9YA

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This trial will evaluate the new liquid seed treatment from Syngenta, MAXIM 100FS (fludioxinil) against a range of other products already on the market for the control of major skin blemish diseases. The product has been shown, in trials conducted by SAC, to control seed-borne *Rhizoctonia solani* (Black scurf/Stem Canker) and to give reduction of *Helminthosporium solani* (Silver scurf) and *Colletotrichum coccodes* (Black dot) in potatoes grown from treated seed tubers. Maxim 100FS therefore allows the grower to optimise yield and skin quality by having the broadest efficacy label against the main diseases in potatoes. The product is expected to be registered for sale for the 2013 growing season.

# Field Trials and Demonstrations

## Haulm destruction demonstration on behalf of Potato Council

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### Plot: 20

#### Contact Details:

**Daan Kiezebrink**

SAC, Ferguson Building, Craibstone Estate, Aberdeen, AB21 9YA

Email: **daan.kiezebrink@sac.ac.uk**

Tel: +44(0) 1224 711 213

This trial demonstrates different haulm destruction methods available and signposts the work undertaken by SAC and Scottish Agronomy on behalf of the Potato Council evaluating the impact of haulm destruction method on development of disease in seed tuber production. Recommendations from the recently published SAC technical note on haulm destruction will also be discussed.

## Mineral oils and aphid control trial on behalf of Potato Council

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### Plot: 21

#### Contact Details:

**Andy Evans**

SAC, King's Buildings, West Mains Road, Edinburgh EH9 3JG

Email: **andy.evans@sac.ac.uk**

Tel: +44(0) 131 535 4000

This plot provides an introduction to ongoing work to evaluate the potential of the use of mineral oils for virus control. General recommendations on aphid control and an update on the current virus status will be provided by Andy Evans (SAC).

## Herbicide variety sensitivity demonstration on behalf of Potato Council

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### Plot: 22

#### Contact Details:

**Mark Ballingall**

SAC, Sandpiper House, Ruthvenfield Road, Perth, PH1 3EE

Email: **mark.ballingall@sac.ac.uk**

This trial demonstrates different herbicide programme options both pre-emergence and post-emergence.

The demonstration will also highlight the importance of herbicide programme choice in light of variety sensitivity. The demonstration trial at Potatoes in Practice showcases a larger evaluation of herbicide sensitivity across the 20 most popular varieties in the UK commissioned by the Potato Council across three sites in the UK. SAC is running the Scottish trial in Aberdeenshire.

#### Treatments:

1. 0.5 kg Metribuzin Pre-emergence
2. 0.5 kg Metribuzin Post-emergence
3. 0.5 kg Metribuzin + 50 g Rimsulfuron Post-em
4. 0.25 kg Metribuzin + 50 g Rimsulfuron Post-em
5. Untreated

Varieties: Lady Balfour, Estima, Maris Piper, Lady Claire

# Field Trials and Demonstrations

## Agrii

### Contact Details:

**David Barclay**

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### Herbicide trials

#### Plot: 18

This season we are continuing to looking at improving our herbicide mixes with the increased rate of Retro and the addition of a new adjuvant to see if it improves the efficacy of the chemicals.

### Foliar Nutrition

#### Plot: 17

This season we have decided to build on what we learnt from last season in the Cultra plot and once more look at ways of minimised IRS (internal rust spot) which was a significant issue in many varieties for potato growers. The results should be very interesting as we try to see how different foliar nutrition programs can manipulate the yield and often more importantly the quality and increase in marketable yield.

### Demonstration Plot

#### Plot: 16

This plot encompasses many of the different technical services that Agrii offers. We will be demonstrating: variable rate planting relating to soil type; our irrigation management system linked to our extensive weather station network; the use of gypsum in potato production and two new soil applied treatments.

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# Field Trials and Demonstrations

## Agrico UK Ltd.

### Plot: 8

#### Contact Details:

**Archie Gibson, Executive Director / Graeme Currie – Production & Quality Control / Sales – Russ Kelsey & John Murdie**

Agrico UK Ltd., Castleton of Eassie, Forfar, Angus DD8 1SJ

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Agrico UK is a specialist developer and supplier of high grade seed potatoes for the home trade and export markets supplying pre-packers, processors, seed merchants and branded operations worldwide. With a proven reputation for supplying certified Scottish, English and Dutch seed, we are committed to working with established and new growers to optimise consistency and quality. Whether its table, chipping or crisping varieties, our aim is to deliver the highest quality product to our customers, in a reliable and sustainable way.

This year we have the following varieties on display and look forward to discussing their characteristics and merits with you: **Ambassador, Arizona, Arsenal, Athlete, Carolus, Cerisa, Destiny, Erika, Fontane, Gourmandine, Madeleine, Manitou, Mustang, Performer, SA 02 0020 and Volare.**

Agrico remain committed to working with our customers on a technical and marketing level, to introduce and explain our existing and new varieties. We look forward to welcoming you to our demo stand which will be located in the field trial plots.

## Agrinos AS

### Plot: 6

#### Contact Details:

**Havard Brynjulvsrud, Company Agronomist (R&D) / Neil Fuller, UK Consultant**

Agrinos AS, Fornebuveien 1, N-1366 Lysaker, Norway

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#### Introducing HYT (High Yield Technology) from Agrinos

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**HYT Efficiency** – liquid concentrate of naturally occurring soil-based microbes, designed to create a complete and highly productive microbial ecosystem in the soil, restoring and enhancing the fertility of modern agricultural soils.

**HYT Nutrition** – organic, biologically extracted liquid amino acid solution that acts as a nutrient source for beneficial microbes and as a bio-stimulant for the plant, resulting in better uptake of nutrients, improved plant development and greater tolerance to environmental stress.

**HYT Bioguard** – organic, biologically extracted, micronised Chitin. This high-grade natural polymer is used by the plant to strengthen root formation and cell structure, resulting in significantly increased levels of preventative, natural, non-toxic suppression of soil-based pathogens and nematodes

Based on over 20 years of applied research, and with a proven track record in crops grown worldwide, Agrinos High Yield Technology is delivering on its promise.

For more information, or to review UK trials, **contact Neil on +44(0) 7887 743 035.**



# Field Trials and Demonstrations

## Agrovista UK Ltd.

### Plot: 14

#### Contact Details:

**Andy Steven, Agronomist**

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Agrovista's trial plots this year are demonstrating a wide range of products and technologies for use in potato crops.

**Plot 1** demonstrates three foliar applied nutrient products as well as new *Rhizoctonia* treatments N Boost and INCA deliver Nitrogen and Calcium through novel products.

HYT technology uses soil microbes and L-amino acids to enhance nutrient uptake, improve potato yields, skin finish and tuber numbers.

Ernesto Prime FS is a new seed treatment from Bayer CropScience containing Penflufen and is demonstrated together with a development treatment for the control of *Rhizoctonia*.

**Plot 2** investigates the effects on blackleg levels through seed sweating before planting and also demonstrates the use of a disinfectant applied to seed with known blackleg.

Also in this plot the use of Fleece and Mesh to promote the growth of minitubers as well as offer protection from aphids is demonstrated along with the use of HYT technology.



# Agrinos

## High Yield Technology



**HYT Efficiency** - organic, biologically extracted liquid concentrate of naturally occurring soil-based microbes, designed to create a complete and highly productive microbial eco-system in the soil, capable of fixing and releasing nutrients, restoring and enhancing the fertility of modern agricultural soils.

**HYT Nutrition** - organic, biologically extracted liquid amino acid solution that acts as a nutrient source for beneficial microbes and as a bio-stimulant for the plant, resulting in better uptake of nutrients, improved plant development and greater tolerance to environmental stress.



**HYT Bioguard** - organic, biologically extracted, micronised Chitin. This high-grade natural polymer is used by the plant to strengthen root formation and cell structure, resulting in significantly increased levels of preventative, natural, non-toxic suppression of soil-based pathogens and nematodes

To see HYT in action in the UK or review commercial trials, contact Neil on 07887 743035

Agrinos AS, Fornebuveien 1, N-1366 Lysaker, Norway  
[www.agrinos.com](http://www.agrinos.com)

# Field Trials and Demonstrations

## Branston Ltd.

### Plot: 2

#### Contact Details:

**Steve Crane / David Nelson**

Branston Ltd., Mere Road, Branston, Lincoln LN4 1JN

Email: **seed@branston.co.uk / biocontrols@branston.co.uk**

Tel: +44(0) 1522 799 107

Fax: +44(0) 1522 799 106

The Branston plot showcases a cross section of the extensive portfolio of varieties available from Branston Seed. For the table market:

**Sapphire** – White fleshed early maincrop baker, suitable for long-term storage

**Lanorma** – Cream fleshed Estima type, good common scab resistance, dual PCN resistance, high yielding

**Safari** – Light yellow fleshed Saxon type, high yielding

**Piccolo Star** – Very high yielding Maris Peer type, excellent eating quality

**Blue Belle** – Very attractive parti coloured skin with exceptional eating quality

And for the crisping and processing markets:

**Daisy** – Early maincrop chipping variety, good drought tolerance, stores long-term

**Sassy** – Very uniform crisping variety with high resistance to disease, shallow eyes and long-term use

The plot also features two 'hot mustard' biocontrol crops that have been specially developed as beneficial alternatives to chemical control of soilborne pest and disease: CureGro and Spudguard.

## Caithness Potatoes Ltd.

### Plot: 9

#### Contact Details:

**Stephen Hole, Sales and Logistics Manager**

Caithness Potatoes Ltd., 26 York Place, Perth PH2 8EH

Email: **stephenhole@caithnesspotatoes.com**

Tel: +44(0) 1738 446 723

Fax: +44(0) 1738 620 830

Mobile: +44(0) 7540 502 434

**Divaa (CA 99-1)** – 2nd Early: good fry colour, medium to high DM, bright skin white flesh and good flavour, suitable for pre-pack and chipping markets. Seed availability – limited.

**Sunrise** – 2nd Early/Early Maincrop: parti-coloured, large Baker content and good flavour, cream flesh, medium to high DM, good drought resistance. Seed availability – good.

**Harmony** – 2nd Early/Early Maincrop: high yields, high baker content and easy to grow with good storage qualities. Seed availability – good.

**13 KAG 08** – 2nd Early/Early Maincrop: very high yields of very attractive tubers. Aimed at the general white prepack market. Seed availability – very limited.

**Bute (166 HVN)** – 2nd Early: high yields of attractive uniform tubers with good cooking qualities aimed at the Estima Melody Pre-Pack market. Seed availability – very limited.

**105/2/W/06** – Early Maincrop: a new contender in the white prepack market. Seed availability – very limited.

**Marvel (SM 01 81 01)** – Early Maincrop: High yields of attractive oval tubers with a moderately high dry matter and good fry colours. Seed availability – very limited.

**Golden Nugget** – Maincrop: ideal for the salad and punnet markets, producing high tuber numbers with golden skin. Good storage and cooking quality. Good resistance to Common and Powdery Scab. Seed availability – *marketed in the UK by E Park and Sons*.

# Field Trials and Demonstrations

## Cygnnet PB Ltd.

### Plot: 3

#### Contact Details:

**Ian Fordyce / Alasdair MacLennan**

Cygnnet PB Ltd., Blairfield Farm, Milnathort, Kinross KY13 0SG

Email: [ianfordyce@harleys.co.uk](mailto:ianfordyce@harleys.co.uk) / [alsadair@harleys.co.uk](mailto:alsadair@harleys.co.uk)

Tel: +44(0) 1577 862 929

Cygnnet currently operates the UK's largest breeding programme with exclusive rights to many popular varieties. Display plots demonstrate a selection of our new table, export and processing varieties designed to meet current and future market requirements:

**Casablanca** – First early for loose new, French fry, early processing and early set skin. Excellent Blackleg resistance, setting new standards for earliness and taste.

**Chicago** – Main-crop crisping variety with excellent long-term sugar stability, low acrylamide levels, low defects, uniform shape and shallow eyes. Processes nine months after harvest.

**Bonnie** – Bold white with attractive red splash of colour, proving popular in Russia and Egypt. A second-early baker, excellent black dot resistance, storage quality and very low Nitrogen requirement.

**Excalibur** – High-yielding maincrop white, particularly suited to Scottish conditions. Potential for long-term storage. Broad spectrum disease resistance.

**Lionheart** – Specialist French fry variety bred with McCain. Maincrop, producing high yields of uniform long-oval tubers.

**00C133-020** – Commercially available from 2013. A Saxon-type offering high yields of attractive tubers with a high baker content. Well suited to UK production as a baker/white variety. Good resistance to blackleg, common scab, black dot, Ro1 and partial resistance to Pa2/3.

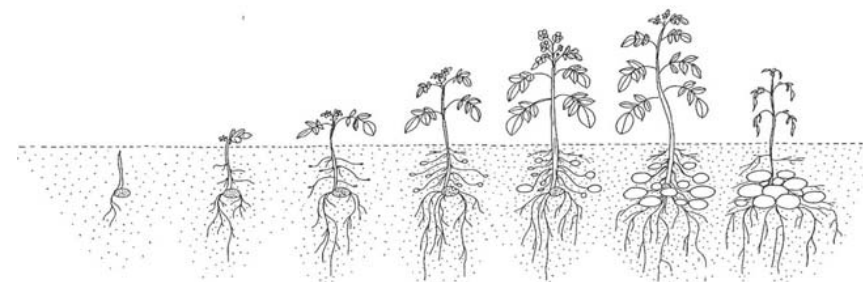
**Isle of Jura** – Early maincrop white/baker variety with pleasing taste and texture proving a winner with taste panels. Excellent storage qualities, good resistance to powdery scab and blackleg.



flex fertilizer system



## Complete Crop Nutrition for every stage of plant development



\* Base fertilisers \* Placement fertilisers \* Specialist formulations \*

\* Foliar feeds \* Biological additives \*

Proven in independent trials in the UK to consistently provide yield and quality increases over conventional fertiliser

Flex Fertilizer System ApS, Vaarvangen 7, DK-5260 Odense, Denmark

[www.flex-fertilizer.com](http://www.flex-fertilizer.com)



The Flex Sysytem will be demonstrated at field events throughout the UK in 2012

To book a place on any of these free events, contact Neil on 07887 743035

# Field Trials and Demonstrations

## Flex Fertilizer System ApS

### Plot: 13

#### Contact Details:

**Flemming Padkaer, Managing Director / Neil Fuller, UK Consultant**

Flex Fertilizer System ApS, Vaarvangen 7, DK-5260 Odense, Denmark

Email: **flex@flex-fertilizer.com**

Tel: +45(0) 66 158 513

Web: [www.flex-fertilizer.com](http://www.flex-fertilizer.com)

The Flex Fertilizer System has been proven over many years to provide complete nutrient management strategies for a wide range of specialist and broad acre crops, delivering everything from placement and starter fertiliser to a full range of foliar feeds, specifically designed to meet the nutritional needs of growing crops. The formulations produced by the Flex System are based on innovative complex chemistry, resulting in higher crop performance per unit of plant food applied. Trials in the UK over the last five years show significant improvements in potato yield and quality, compared to traditional fertiliser.

Building on the success of last year's event, field plots demonstrate core components of the Flex system, including:

**Placement fertiliser** – optimising tuber numbers, root development and water/nutrient uptake

**Calcium nutrition** – affecting tuber development, seed vigour, fry colour and storage

**Foliar nutrition** – maintaining canopy development, bulking rates and tolerance to stress

**Graded yield** – targeting nutrition to improve uniformity, colour and skin finish

**Common scab** – integrating nutritional and microbial materials to enhance plant health

Varieties include ***M.Piper, M.Peer, Cara, Challenger, Charlotte, Epicure, Marfona, Markies, Rooster*** and ***Desiree***.

For more information on the complete Flex System, or to arrange to visit Flex farm trials sites, contact **Neil on +44(0) 7887 743 035**.

## Glenside Group

### Plot: 15

#### Contact Details:

**Nander Robertson, Company Chairman**

The Glenside Group, 9 Caputhall Road, Deans Estate, Livingston, West Lothian EH54 8AS

Email: **enquiries@glensidegroup.com**

Tel: +44(0) 1506 420 950

Fax: +44(0) 1506 420 959

### **Bioscience® Boosting Biological productivity – Profitable potatoes from better informed soil and fertiliser management**

Bioscience® combines biology, science and soil sense in growing profitable potatoes. Glenside use their Albrecht® Soil Survey to identify the factors in each field which are limiting yields and affecting marketable quality. Detailed field by field recommendations are provided matched to variety and market requirements. Inputs are carefully targeted to optimise margins with lower carbon footprint.

The benefits of working with Bioscience® can clearly be seen on Glenside's demonstration plots:-

- Higher percentage of marketable quality; improved skin finish and storability; reduced hidden costs; lower carbon footprint.
- Glenside's plots are managed by the James Hutton Institute and the results are monitored and reported by Aberdeen University.
- Glenside's clients are located throughout the UK, Ireland, Southern Europe and the Middle East. As the UK's leading proponent of Bioscience® to achieve sustainable soil and crop management, Glenside welcomes enquiries from Growers and their Advisors in the UK and overseas.



# Field Trials and Demonstrations

## Grampian Growers Ltd.

### Plot: 1

#### Contact Details:

**David Murdie, Potato Manager**

Grampian Growers, Logie, Montrose, Angus DD10 9LD

Email: **david.murdie@grampiangrowers.co.uk**

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Fax: +44(0) 1674 830 464

Mobile: +44(0) 7802 534 454

Grampian Growers as leading seed specialists, provide all customers and suppliers with a level of service that includes personal attention, professionalism and integrity. As a farmer owned co-operative, established over 40 years ago, Grampian Growers strive to help with customers and suppliers own business objectives.

To meet this, our dedicated supply base, use the most modern equipment and storage facilities. Grampian staff can help meet your seed requirements by discussing all aspects of procurement from variety selection to complete traceability.

#### BENNETT SEED EXPORTS

Bennett Seed Exports are one of the leading seed exporters in Scotland and have been involved in exports for over 30 years. Attention to detail and a quality product have been the key to our success.

#### Varieties:

**GEMSON** – Gemson is a white bright skinned salad type potato. High yielding, it produces a large number of round uniform under 42mm potatoes.

**NIETA** – Nieta is a high yielding oval variety, producing large tubers in Mediterranean / North African climate suitable for french fry production.

**AMOUR** – Amour is a high yielding parti-coloured variety for horticultural use and export.

## Greenvale AP Ltd.

### Plot: 10

#### Contact Details:

**Miriam Doe, Seed QA Manager**

Greenvale AP, Springfield, Burrelton, Blairgowrie, Perthshire PH13 9PJ

Email: **miriam.doe@greenvale.co.uk**

Tel: +44(0) 1828 670 343

Fax: +44(0) 1828 670 636

Mobile: +44(0) 7793 374 787

Greenvale AP with over 40 years of experience is recognised as the UK's leading supplier of fresh conventional and organic potatoes, handling over half a million tonnes of potatoes each year. Greenvale provides a comprehensive service, meeting the needs of growers, retailers, processors, caterers and wholesalers. With its own seed business Greenvale is a truly integrated company.

The company has an innovative and hand-picked range of varieties produced in partnership with the James Hutton Institute and through partnerships with European breeders, the portfolio boasts exclusive varieties, new to the offering are: Sylvana, Sofia, Rembrandt, Asterix, Safari and Jelly, all exclusively marketed by Greenvale AP. Own varieties include the most popular organics variety Lady Balfour that produces excellent yields under low fertility. Vales Sovereign an excellent variety which regularly tops retailer's consumer taste panels and requires very low nitrogen rates and is resistant to drought, making it a popular choice for growers alike.

Greenvale's Accumulator is a unique storage treatment that modifies atmospheres and temperatures, it typically increases stem numbers by 40% and tuber numbers by up to 25%. Decyst is the only scientifically proven non-chemical control method for PCN.

## Field Trials and Demonstrations

### IPM (Irish Potato Marketing) Ltd.

#### Plot: 11

##### Contact Details:

**Stephen Pedgrift, Field Executive**

IPM Ltd., East Den Brae, Letham, Angus DD8 2PJ

Email: [stephen@ipmscotland.co.uk](mailto:stephen@ipmscotland.co.uk)

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Fax: +44(0) 1307 818 131

Mobile: +44(0) 7595 411 922

Web: [www.ipm.ie](http://www.ipm.ie)

Irish Potato Marketing has a portfolio of over 25 exclusive varieties which are sold in more than 30 global markets. Customers are catered for from seed production operations in Scotland, Ireland, Netherlands, France and Denmark. Its Scottish office is in Letham while the sales operation is co-ordinated from its 60 year established Head Office in Dublin.

In order to help achieve its goals and to expand its position as the UK's leading exporter of proprietary seed potato varieties, IPM recently acquired the business of A J Allan, Brechin, Scotland. IPM is keen to build on the reputation and strengths of the 50 year old family business of growing and marketing quality seed potatoes: Alistair Melrose and his team will continue to manage the business as usual under the A J Allan brand.

If you would like to become part of IPM's team of seed growers or if your interest is simply pre-packing, processing, crisping or organic you will be made very welcome at our IPM variety plot, showcasing 16 varieties which all emanate from the TEAGASC breeding programme at the Oak Park Research Centre, Carlow near Dublin. Today we introduce new varieties Bikini and Torino along with our stalwart Cara, widely popular Rooster and upcoming Nectar, Electra, Setanta and Infinity.

# Accumulator™ treated seed

Greenvale are the largest supplier of seed potatoes to UK growers, we offer high quality seed to cater for every customers requirements.

We annually treat up to 5000 tonnes of seed with our unique Accumulator™ storage treatment which uses Ethylene to increase both stem and tuber numbers resulting in a greater return per acre planted.

Greenvale work closely with seed houses in the UK and Europe and are proud of our breeding programme run in partnership with the James Hutton Institute.

If you would like to find out more about Greenvale, or are interested in Accumulator™ treated seed, please contact:

**James Thorburn**

Email: [james.thorburn@greenvale.co.uk](mailto:james.thorburn@greenvale.co.uk)

Tel: +44 (0) 7793 883234



**Greenvale AP**

Natural choice for fresh potatoes

# Field Trials and Demonstrations

## KWS Ltd.

### Plot: 7

#### Contact Details:

**Peter Hewett, Product Manager – Potatoes**

KWS UK Ltd., 56 Church Street, Thriplow, Nr Royston, Herts SG8 7RE

Email: **peter.hewett@kws-uk.com**

Tel: +44(0) 1763 207 300

Fax: +44(0) 1763 207 333

Mobile: +44(0) 7788 311 967

KWS UK Ltd. is showing six of their exciting varieties at this year's Potatoes in Practice

**Saphire** – A strong variety in the baker market producing good yields with high baker content. Suitable for long-term storage as well as movement straight off the field, it also has moderate resistance to *Pallida* sp.

**Perline** – A first early salad variety with extremely high tuber numbers. It has medium to short dormancy and is suitable for most soils, but does require a certain amount of fertility.

**Piccolo Star** – A salad variety with very high tuber numbers with an exceptional taste and texture. It produces oval tubers with the light yellow flesh with very good storage ability.

**Bafana** – A mid-late variety for the processing market with high yields which stores very well. It is very suitable for processing french fries, with long oval tubers and cream coloured flesh.

**VR808** – The optimum crisping potato has round uniform sized tubers with a shallow eye. It has a stable high dry matter throughout the growing season. It has excellent texture with yellow flesh, an exceptional long-term storing potato.

**Ramos** – This is a good all-round potato, very suitable for the processing industry. It is good for french fries and chips and also a great table potato, very quick to emerge and develop.

# OMEX

## Give your potatoes the best possible start with Biomex & TPA

### Biomex Plus

- Bacterial colonisation of root hairs
- Healthier plants with greater vitality
- More tuber numbers, higher yield

### TPA

- Better uptake of applied phosphate
- Improved root growth
- Increased marketable yield

### Biomex Plus

- Seed & salad crops
- Sub-optimal fertility
- Low tuber numbers
- Other stress factors
- Co-application with fungicides

**Biomex Plus + TPA**

### TPA

- High pH
- Calcareous soils
- Phosphate "lock-up"

### Omex Agriculture Ltd

Estuary Road • King's Lynn • PE30 2HH • Tel 01553 760011

Email [foliars@omex.com](mailto:foliars@omex.com) • Web [www.omex.co.uk](http://www.omex.co.uk)

# Field Trials and Demonstrations

## Omex Agriculture Ltd.

### Plot:12

#### Contact Details:

**Gidon Bahiri, Foliar Manager**

Omex Agriculture Ltd., Estuary Road, King's Lynn, Norfolk PE30 2HH

Email: **foliars@omex.com**

Tel: +44(0) 1553 760 011

Fax: +44(0) 1553 769 784

Mobile: +44(0) 7850 475 018

Omex are demonstrating how our unique portfolio of biostimulants, precision fertiliser applications and foliar nutrition products can be used in combination to promote crop growth and plant health, helping to boost yield and to meet challenging quality targets, both for seed and ware crops.

The trial area showcases carefully targeted input regimes aimed at producing optimum tuber size, numbers and quality for a seed crop, and yield, crop health and skin finish for a ware crop.

The demonstration include precision base fertiliser placement, the use of Biomex biostimulants to promote root growth, the use of phosphites and foliar nutrition to promote plant health, CalMax for skin finish, and Sluggo, the new molluscicide which combines efficiency with safety to beneficial species and the wider environment.

Promoting plant health with biostimulants and targeted nutrition has been shown to make crops more tolerant to stress from pests, diseases, drought and other factors. This can enable reductions in other inputs and less dependence on pesticides, in tune with the current drive for integrated crop management and sustainable agriculture.

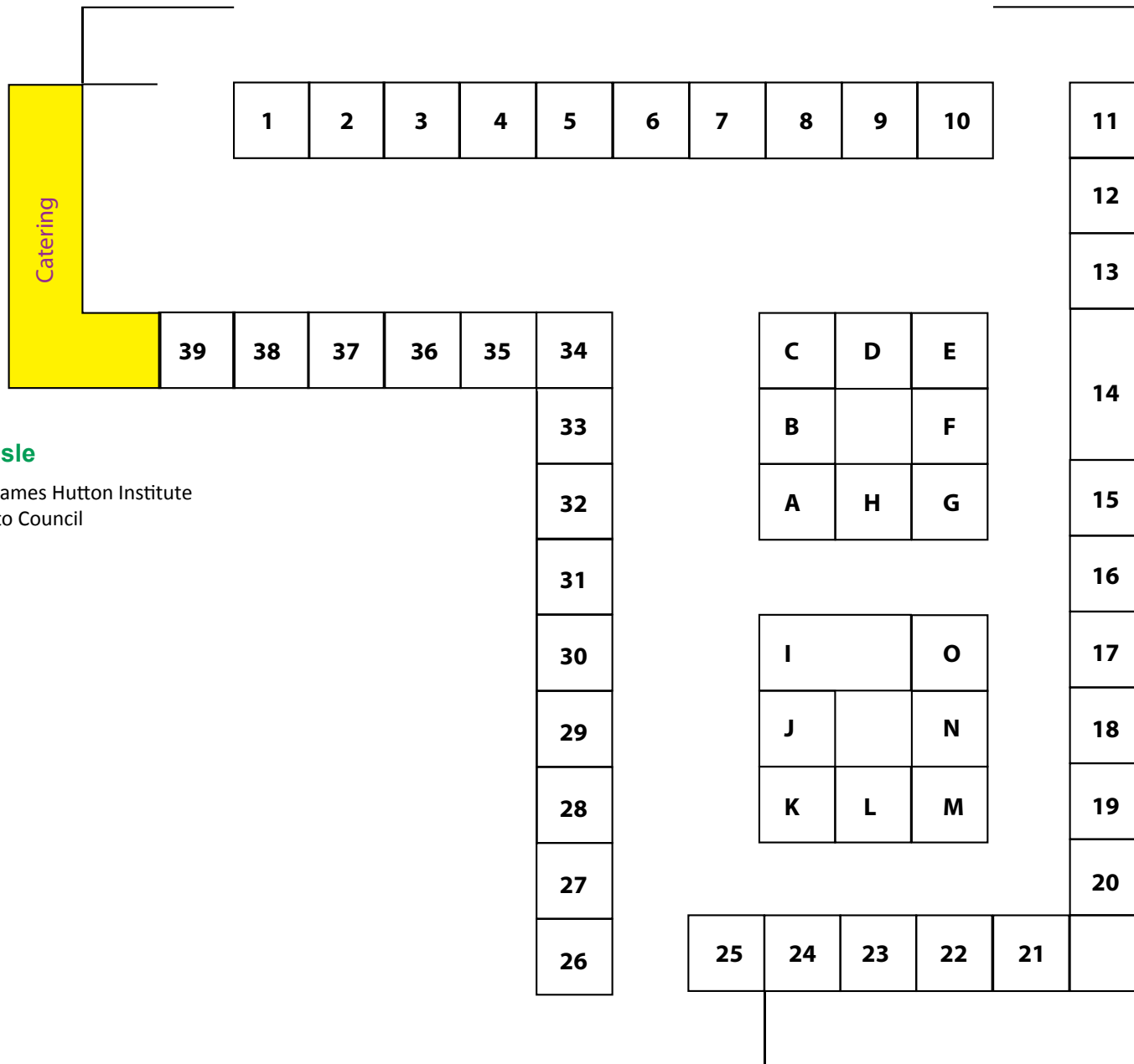
## Marquee Exhibitors

## Key

- 1 Agrinos AS
- 2 BASF plc
- 3 Bayer Crop Science Ltd.
- 4 Belchim Crop Protection Ltd.
- 5 Biofresh Ltd.
- 6 Brackenbury Engineering Ltd.
- 7 Bradley Refrigeration Ltd.
- 8 Certis Europe BV
- 9 DT Dijkstra
- 10 Dupont (UK) Ltd.
- 11 EnviroMonitors
- 12 Farm Electronics Ltd.
- 13 Fischbein-Saxon Ltd.
- 14 Frontier Agriculture Ltd.
- 15 Gowan Comércio International
- 16 Grimme (UK) Ltd.
- 17 Haith Tickhill Group
- 18 Herbert Engineering Ltd.
- 19 Higgins Agriculture Ltd.
- 20 JD Cooling Systems Ltd.
- 21 Klim'top Controls
- 22 LC Packaging UK Ltd.
- 23 Lynchwood Diagnostics Ltd.
- 24 Makhteshim-Agan UK Ltd.
- 25 McCain Foods (GB) Ltd.
- 26 Plant Impact plc.
- 27 Plant Solutions Ltd.
- 28 QV Foods Ltd.
- 29 Redwood Refrigeration Ltd.
- 30 Ripple Aquaplast
- 31 Solanis Ltd.
- 32 Strathmore Potatoes Ltd.
- 33 Syngenta Crop Protection UK Ltd.
- 34 Tong Peal Engineering Ltd.
- 35 TRP Scotland Ltd.
- 36 United Phosphorus Ltd.
- 37 Verbruggen Emmeloord B.V.
- 38 VG Energy Ltd.
- 39 Wroot Water Ltd.

## Central Aisle

- |     |                            |
|-----|----------------------------|
| A-D | The James Hutton Institute |
| I-L | Potato Council             |
| E-G | SAC                        |
| M,N | Agrii                      |
| O   | SASA                       |
| H   | LEAF                       |





## The Potato Council (Space I-L)

### Contact Details:

#### Sophie Lock, Seed & Export Executive

Potato Council, Agriculture and Horticulture Development Board, Stoneleigh Park, Kenilworth, Warwickshire CV8 2TL

Email: **sophie.lock@potato.ahdb.org.uk**

Tel: +44(0) 24 7647 8772

Web: [www.potato.org.uk](http://www.potato.org.uk)

The Potato Council is a wholly-owned subsidiary of the Agricultural and Horticultural Development Board (AHDB) which was set up as a result of the restructuring of levy bodies in 2008.

The Potato Council has five key objectives:

- Improve industry competitiveness by better crop and business management.
- Sustain demand for potatoes.
- Leverage the importance of the potato.
- Exploit high value seed markets
- Act as the industry voice in conjunction with relevant stakeholders to meet and manage environmental and regulatory requirements and help to raise the skill base.

The GB potato industry invests in its own future through the Potato Council. The Potato Council has sought to understand the business environment for potatoes and uses this understanding to present information and analysis to assist industry to achieve the goals above and to shape its own future.

The Potatoes in Practice event has developed into an essential part of this communication between the Potato Council and its levy payers and stakeholders. The event provides an excellent opportunity for forward thinking members of the industry to take full advantage of their own investment.

Further to its successful transition integrating with other levy boards into the AHDB, Potato Council focus continues to be on developing its engagement with levy payers and welcomes opportunities to speak to PIP participants about PCLs varied activities.

More information on Potato Council work can be found at [www.potato.org.uk](http://www.potato.org.uk)

## The James Hutton Institute (Space A-D)

### Contact Details:

#### Communications

The James Hutton Institute Dundee DD2 5DA Aberdeen AB15 8QH

Email: **communications@hutton.ac.uk**

Tel: +44(0) 844 928 5428

Fax: +44(0) 1382 560 002

Web: [www.hutton.ac.uk](http://www.hutton.ac.uk)

The James Hutton Institute encompasses a distinctive range of integrated, world-class strengths in land, crop, water, environmental and socio-economic science. It undertakes research for customers including the Scottish and UK Governments, the EU and other organisations worldwide. The institute has a staff of nearly 600 and 125 PhD students.

The Institute organises its research through seven principal themes: Safeguarding Natural Capital, Enhancing Crop Productivity and Utilisation, Delivering Sustainable Production Systems, Controlling Weeds, Pests and Diseases, Managing Catchments and Coasts, Realising Land's Potential and Nurturing Vibrant and Low Carbon Communities.

The Institute operates commercial subsidiaries. Macaulay Scientific Consulting (MSC) Ltd is a leading environmental consultancy centre offering unparalleled experience in soil and water consultancy, and land evaluation. Mylnefield Research Services (MRS) Ltd undertakes contract research, especially plant breeding, licenses plant varieties internationally and delivers analytical services.

### Science Groups and Heads

Cell and Molecular Sciences – Professor Lesley Torrance

Environmental and Biochemical Sciences – Dr Andy Midwood

Ecological Sciences – Dr Pete Goddard

Social, Economic and Geographical Sciences – Dr Anke Fischer

Information and Computational Sciences – Dr David Marshall

# Marquee Exhibitors

## Research Themes and Leaders

Safeguarding Natural Capital – Professor Alison Hester  
Enhancing Crop Productivity and Utilisation – Professor Derek Stewart  
Delivering Sustainable Production Systems – Dr Paul Hallett  
Controlling Weeds, Pests and Diseases- Professor Ian Toth  
Managing Catchments and Coasts – Dr Marc Stutter  
Realising Land's Potential – Professor David Miller  
Nurturing Vibrant and Low Carbon Communities – Dr Robin Matthews

## Climate change and the potato crop

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### Contact Details:

#### Vivian Blok

The James Hutton Institute, Dundee DD2 5DA

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Tel: +44(0) 844 928 5428

Global food production must increase by 50% to meet the projected demand of the world's population by 2050. Meeting this difficult challenge is being made even harder due to climate change. In North Britain the projected climate change is for warmer and drier summers, warmer and wetter winters with less snow and more extreme temperature and rainfall events and these changes are impacting on farming practices.

Crop yields and quality are directly affected by climate change, and indirectly from the changing pest and disease pressures. We are investigating how these abiotic and biotic stresses are affecting potato, to improve crop resilience, to anticipate future risks and to mitigate the impact of climate change. A wide range of research is being conducted at the James Hutton Institute concerning the impact of climate change and a selection relating to potato will be presented.

## Strategies for Quantifying and Controlling Free Living Nematode Populations and Consequent Damage by Tobacco Rattle Virus to Improve Potato Yield and Quality.

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### Contact Details:

#### Roy Neilson

The James Hutton Institute, Dundee DD2 5DA

Email: [roy.neilson@hutton.ac.uk](mailto:roy.neilson@hutton.ac.uk)

Tel: +44(0) 844 928 5428

A multi-partner industry-led consortium was established in 2011 to address concerns regarding the impact of free living nematodes (FLN) on potatoes. Objectives include, the development of quantitative species-specific molecular diagnostics for (Para)Trichodorus nematode species, potential alternative FLN control measures as a replacement for current nematicides and identification of gene(s) or gene families that confer resistance to Tobacco Rattle Virus. At PiP we will provide an update of the first year of research. The project (292-249) is co-funded by Technology Strategy Board and Potato Council. The project partners are Cygnet Potato Breeders Ltd, McCain Foods (GB) Ltd., PepsiCo International, DuPont, The Cooperative Farms, Eden Research, Mylnfield Research Services Ltd, the James Hutton Institute, SAC, Plant Health Care UK Ltd, Tozer Seeds Ltd, and Dawnfresh Seafoods Ltd., in conjunction with Harper Adams University College.

### Contact Details:

#### Jason Owen

The James Hutton Institute, Craigiebuckler, Aberdeen AB15 8QH

Email: [jason.owen@hutton.ac.uk](mailto:jason.owen@hutton.ac.uk)

Find out more about the James Hutton Institute's soil research and soil maps.

## SAC (Scottish Agricultural College) (Space E-G)

### Contact Details:

**Dr Daan Kiezebrink**

SAC, Ferguson Building, Craibstone Estate, Aberdeen, AB21 9YA

Email: **daan.kiezebrink@sac.co.uk**

Tel: +44(0) 1224 711 213

SAC is a knowledge transfer organisation committed to enhance the sustainability of land-based industries. SAC provides consultancy, advice, diagnostics and research services to all sectors of the potato industry. The advice is based on experience and data from past and current R&D projects. Potatoes in Practice is a showcase for SAC activities with field trials and a marquee that cover current issues affecting the industry. The field trials at PiP represent one of several trial sites from England up to the North of Scotland. Take time to meet the SAC potato team at PiP who have in-depth knowledge across the spectrum of potato production including agronomy, potato diseases and pests, herbicides and storage.

## Agrii (Space M-N)

### Contact Details:

**Dave Cowe**

Agrii, Glenearn Road, Perth PH2 0NL

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Tel: +44(0) 1620 842 170

Fax: +44(0) 1620 843 596

Web: [www.agrii.co.uk](http://www.agrii.co.uk)

Soilquest is our own in house soil sampling system it uses soil electrical conductivity to generate finely detailed and highly accurate soil maps. It uses DGPS and Soil Electrical Conductivity to identify areas of contrasting soil properties. There is significant soil variation across most fields. Using soil mapping data each soil type area can be zoned allowing specific treatments, operations and cropping decisions to be targeted to soil type. There are currently ongoing trials into variable spaced planting to see if we can improve tuber size uniformity.

## SASA – Science and Advice for Scottish Agriculture (Space O)

### Contact Details:

**Kevin O'Donnell, Head of Rural Scientific Services /**

**Gerry Saddler – Head of Diagnostics & Analytical Services**

SASA, Roddinglaw Road, Edinburgh EH12 9FJ

Email: **kevin.odonnell@sasa.gsi.gov.uk / gerry.saddler@sasa.gsi.gov.uk**

Tel: +44(0) 131 244 8924

Fax: +44(0) 131 244 8988

Web: [www.sasa.gov.uk](http://www.sasa.gov.uk)

SASA, part of the Scottish Government's Agriculture, Food and Rural Communities Directorate, is the Certifying Authority for seed potato production in Scotland and manages the Seed Potato Classification Scheme (SPCS). The SPCS helps ensure Scotland's reputation for the production of high quality seed potatoes, through strict tolerances for freedom from disease and trueness to type. SASA also carries out a range of other activities in support of potato production in Scotland; producing pathogen-tested microplants, testing for quarantine pests and pathogens, potato cyst nematodes (PCN), *Dickeya* spp. and other diseases, as well as monitoring the level of the aphids which can spread some virus diseases.

## LEAF (Space H)

### Contact Details:

**Jeremy Boxall, LEAF Marque Director**

LEAF, Stoneleigh Park, Warwickshire, CV8 2LG

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Tel: +44(0) 2476 413 911

Mobile: +44(0) 7764 201 334

Web: [www.leafuk.org](http://www.leafuk.org)

LEAF (Linking Environment And Farming) is a farming charity at the forefront of sustainable agriculture, promoting Integrated Farm Management (IFM). We work at a global level with the whole food industry to help farmers to produce good food to a high environmental standard, identified in store and on pack by the LEAF Marque logo. We have been working with our partners across the potato industry for many years to support farmers in following best practice in potato production, enabling them to manage the environmental risks and maximize the opportunities of their industry. Come and find out how LEAF can help move your business forward.



## Agrinos AS (Space 1)

### Contact Details:

**Havard Brynjulvsrud, Company Agronomist (R&D) / Neil Fuller, UK Consultant**

Agrinos AS, Fornebuveien 1, N-1366 Lysaker, Norway

Email: **haavard.brynjulvsrud@agrinos.com or info@agrinos.com**

Tel: +47(0) 21 04 56 00

Fax: +47(0) 21 54 74 18

Agrinos is a green technology company committed to improving the productivity and sustainability of modern agriculture. Agrinos' range of High Yield Technology™ ("HYT™") products helps farmers to practice profitable agriculture by providing increased crop productivity, improved efficiency of conventional fertiliser and a reduced environmental footprint.

Certified as organic and based on Agrinos' proprietary technology, the HYT™ products provide benefits by strengthening the soil-based microbial ecosystem, stimulating crop development at key points in the growth cycle and boosting natural plant resistance to pathogens and threats. With solutions for a variety of crop categories, the technology comprising the HYT™ products has demonstrated its value in third-party trials in key agricultural regions worldwide.

For more information, or to review UK trials, **contact Neil on +44(0) 7887 743 035.**

## BASF PLC (Space 2)

### Contact Details:

**Robert Storer / Phil Brown**

BASF plc., Earl Road, Cheadle Hulme, Cheshire SK8 6QG

Email: **robert.storer@basf.com**

Tel: +44(0) 1614 885 731

Fax: +44(0) 1614 828 086

Mobile: +44(0) 7768 464 037

BASF will be displaying their portfolio of products for use on potatoes, products such as the blight fungicide Invader®, the important herbicide Stomp® Aqua and the fungicide Rovral® Aquaflow for use on seed potatoes, together with information on new products in the pipeline.

Visit the BASF stand for an opportunity to discuss our potato products in more detail.

## Bayer CropScience Ltd. (Space 3)

### Contact Details:

**Neil Thompson, Product Manager / Charlie Ross, Event Manager**

Bayer CropScience Ltd., 230 Cambridge Science Park, Milton Road, Cambridge CB4 0WB

Email: **neil.thompson@bayer.com / charlie.ross@bayer.com**

Tel: +44(0) 1223 226 626

Bayer CropScience look forward to Potatoes in Practice 2012. This year, our exciting new potato seed and in-furrow treatments are being demonstrated on the site and we invite you to visit our stand to find out more about these projects. We will of course be delighted to discuss how our current range of potato crop protection products, Infinito, Artist, Biscaya, Consento, Draza forte and Monceren can help optimise the potential of your crops. For enquiries after the event please call our Bayer Assist Line on 0845 6092 266 or 01223 226 644.

# Marquee Exhibitors

## Belchim Crop Protection Ltd. (Space 4)

### Contact Details:

**Simon Leak, Development and Marketing Manager, UK & Eire**

Belchim Crop Protection Ltd., 1B Fenice Court, Phoenix Park, Eaton Socon,  
St Neots, Cambs PE19 8EP

Email: **info-uk@belchim.com**

Tel: +44(0) 1480 403 333

Fax: +44(0) 1480 403 444

Belchim Crop Protection market an extensive range of crop protection products for the potato crop from pre-emergence to dessication. Products include a range of unique pre-emergence residual combinations for effective weed control and Shark, a complementary contact herbicide. Fungicides include a new formulation of a market leading potato blight product, Ranman Top, an all in one formulation with excellent activity throughout the growing season against foliar and tuber blight. A novel aphicide in the range is Teppeki, which is active against all aphid species and it is not a neo-nicotinoid. The dessicant Spotlight finishes the season as a very effective stem dessicant.

When it comes to  
foliar and tuber  
blight, Infinito®  
comes out on top



# INFINITO®



Protect your potato crop with Infinito, the only product that controls foliar and tuber blight with kickback activity.

- Systemic, protectant, translaminar and kickback activity
- Controls all stages of blight life cycle
- Long-lasting protection and outstanding anti-sporulant activity
- Rainfast after one hour and no LERAP

Protecting your potato crop.

[www.bayercropscience.co.uk](http://www.bayercropscience.co.uk)

 Bayer CropScience

Infinito® is a registered trademark of Bayer and contains fluopicolide and propamocarb.  
Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label.  
For further information visit [www.bayercropscience.co.uk](http://www.bayercropscience.co.uk) or call Bayer Assist on 0845 6092266 / 01223 226644  
© Bayer CropScience Limited 2012

### Biofresh Ltd. (Space 5)

#### Contact Details:

**Stephen Meenahan**

Biofresh Ltd., Unit 6, Bearl, Stocksfield, Northumberland NE43 7AJ

Email: **Stephen.meenaghan@bio-fresh.co.uk**

Tel: +44(0) 1661 844 866

Fax: +44(0) 1661 843 159

Biofresh ethylene gas management systems suppress unwanted sprouting, sending potatoes 'to sleep' until needed, without chemicals and without residues.

- Single, twin and multi chamber systems available
- One system services any size potato store
- Online monitoring and control of stores possible
- Uses pure ethylene gas with no contaminants or potential impurities
- Tailored protocols with 24/7 technical support
- All systems supplied with five year parts and labour warranty (subject to having your unit serviced annually by our engineers at an agreed fixed cost for five years)
- Easy to use and low running costs

# Ranman®

.....TOP.....

## New formulation, same outstanding performance

- New all in one formulation
- Excellent rainfastness
- Excellent new growth protection
- Excellent foliar and tuber blight control

USE PLANT PROTECTION PRODUCTS SAFELY.

ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

For further information on product hazard warnings, risk and safety phrases consult the website [www.belchim.com](http://www.belchim.com)

Belchim Crop Protection Ltd, 1b Fenice Court, Phoenix Park, Eaton Socon, St. Neots, Cambs, PE19 8EP.

Tel: 01480 403333, Fax: 01480 403444, Web: [www.belchim.com](http://www.belchim.com)

Ranman is a registered trademark of the approval holder, Ishihara Sangyo Kaisha Ltd.

Ranman Top contains cyazofamid.

## Brackenbury Engineering Ltd. (Space 6)

### Contact Details:

#### David Brackenbury, Director

Brackenbury Engineering Ltd., Abbey Farm, Abbey Lane, Kirkstead, Woodhall Spa, Lincoln LN10 6UH

Email: [davidbrackenbury@btconnect.com](mailto:davidbrackenbury@btconnect.com)

Tel: +44(0) 1526 354 762

Fax: +44(0) 1526 354 762

Mobile: +44(0) 7837 226 740

Web: [www.brackenburyeng.com](http://www.brackenburyeng.com)

We specialise in the supply of quality new and second-hand grading/handling machinery to the potato and vegetable industry.

Always plenty in stock to suit 10-1,000 acre growers.

## Bradley Refrigeration Ltd. (Space 7)

### Contact Details:

#### Eden C Croft, Director

Bradley Refrigeration Ltd., 929 Abbeydale Road, Sheffield S7 2QD

Email: [ecroft@bradley-refrigeration.com](mailto:ecroft@bradley-refrigeration.com)

Tel: +44(0) 1142 369 971

Fax: +44(0) 1142 368 681

Mobile: +44(0) 7810 821 143

Bradley Refrigeration has been involved in the Agricultural Industry for over 50 years. During this time agriculture work has become a major part of the company's portfolio.

Bradley Refrigeration can help design your cold store as well as providing unique specifically designed in-house coolers for potatoes and high humidity applications, floor or overhead cooler, wet air coolers and hydro cooling or glycol cooling systems, ventilation systems, general cold rooms, humidification and dehumidification, as well as service and maintenance.

Bradley Refrigeration also have in-house expertise to provide solutions for one off projects or specialist cold rooms.

## Certis Europe BV (Space 8)

### Contact Details:

#### James Kennedy, Account Manager

Certis Europe BV, 1b Mills Way, Boscombe Down Business Park, Amesbury Wilts SP4 7RX

Email: [kennedy@certiseurope.co.uk](mailto:kennedy@certiseurope.co.uk)

Tel: +44(0) 1980 676 500

Fax: +44(0) 1950 626 555

Mobile: +44(0) 7900 276 217

An established crop protection business with direct operations in key European markets.

Certis UK is a leading crop protection business committed to providing our arable, horticultural and speciality customers with a wide range of innovative, integrated crop protection solutions, designed to overcome today's production challenges.

From core arable products based on essential active ingredients, through to biopesticide based insecticides for fruit and protected crops, the Certis range covers a wide variety of crop sectors and solutions.

## D T Dijkstra (Space 9)

### Contact Details:

#### David Hollier / Edwin Nederveen

D T Dijkstra, Landbouwkade 6, 8304 AE Emmeloord, The Netherlands

Email: [info@dtijkstra.nl](mailto:info@dtijkstra.nl)

Tel: +33(0) 527 697 731

Fax: +33(0) 527 617 232

**D. T. Dijkstra** – specialists in the development and manufacture of grading, transport, bunker and washing systems for root crops, including potatoes, onion and carrots. Our machines are carefully designed to minimise damage to the crop and to maintain the highest possible level of quality throughout the handling process. Made from steel or stainless steel, each machine can be fully adjusted to meet the customer's specific requirements.

## Marquee Exhibitors

### DuPont (UK) Ltd. (Space 10)

**Contact Details:**

**Craig Chisholm**

DuPont (UK) Ltd., AG Products, Wedgwood Way, Stevenage, Herts SG1 4QN

Email: **craig.chisholm@gbr.dupont.com**

Tel: +44(0) 1423 565 163

Fax: +44(0) 7831 476 020

Web: [www2.dupont.com/Crop\\_Protection/en\\_GB](http://www2.dupont.com/Crop_Protection/en_GB)

DuPont (UK) Ltd. has been a provider of key tools for protecting the UK potato crop for over 20 years, with actives and products which form the backbone of your armoury against *Phytophthora*, *Alternaria*, PCN, FLN and weeds.

Our researchers are continuously developing new solutions to the evolving challenges faced by growers and agronomists to ensure you maximise yield and achieve the quality standards to meet market requirements.

### EnviroMonitors (Space 11)

**Contact Details:**

**Technical Sales**

Westham Business Park, Eastbourne Road, Westham, East Sussex BN24 5NP

Email: **info@enviromonitors.co.uk**

Tel: +44(0) 8456 806 803

Fax: +44(0) 8456 801 833

EnviroMonitors provide affordable quality technology designed specifically to measure and record climate and the growing environment. Technology that will form the basis of prediction and intelligent decision making: Robust TDR soil moisture meters assist the optimisation of water use; pH and nutrient meters help to control the use of costly inputs; Compaction meters allow a deeper understanding of soil conditions; MeteoVue is an innovative use of GPRS technology for weather stations and loggers to harvest data from remote sites. Products are designed to serve the interests of the agricultural community, both individual users and groups of growers.



# The desiccant that delivers

- Low dose potato haulm desiccation
- Excellent prevention of haulm regrowth
- Excellent stolon release
- No soil moisture restrictions

USE PLANT PROTECTION PRODUCTS SAFELY.

ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

For further information on product hazard warnings, risk and safety phrases consult the website [www.belchim.com](http://www.belchim.com)  
Belchim Crop Protection Ltd, 1b Fenice Court, Phoenix Park, Eaton Socon, St. Neots, Cambs, PE19 8EP.

Tel: 01480 403333, Fax: 01480 403444, Web: [www.belchim.com](http://www.belchim.com)

Spotlight is a registered trademark of FMC Corporation. Spotlight contains carfentrazone ethyl.



## Farm Electronics Ltd. (Space 12)

### Contact Details:

#### Tim Dudfield, Managing Director

Farm Electronics Ltd., Woodland Drive, Alma Park Industrial Estate, Grantham,  
Lincs NG31 9SR

Email: [tim@farmelec.co.uk](mailto:tim@farmelec.co.uk)

Tel: +44(0) 1476 591 592

Fax: +44(0) 1476 591 188

Mobile: +44(0) 7860 739 821

Farm Electronics Ltd. manufactures a complete range of ambient and refrigerated ventilation equipment for seed and ware potatoes.

As well as the Cropscan range of temperature control equipment, we also manufacture a range of packaged refrigeration units with capacities from 200 – 2000 tonnes, unitising high efficiency scroll compressors, for reduced running costs. The packaged cooler can also be fitted with motorised louvres, allowing ambient ventilation with air mixing, when the external temperature is suitable.

For stores not requiring refrigeration we have a range of air handling units, which can ventilate with cool ambient air, with air mixing controlled automatically by the Cropscan.



**Manufacturers of Crop Storage Equipment for  
potatoes - onions - carrots & more**

**Refrigeration - Energy Efficient Ambient Ventilation  
Fans - Louvres - Humidification - Control Panels  
Heaters - Cropscan Electronic Controls**

**Contact :- Tim Dudfield on 01476 591592  
e-mail :- [tim@farmelec.co.uk](mailto:tim@farmelec.co.uk)**

**[www.farmelectronics.co.uk](http://www.farmelectronics.co.uk)**

## Fischbein Saxon Ltd. (Space 13)

### Contact Details:

#### Barry Cox – Sales & Service Manager

Fischbein Saxon Ltd., Alexandra Business Centre, 274 Alma Road, Enfield, Middlesex EN3 7BB

Email: [sales@fischbein-saxon.co.uk](mailto:sales@fischbein-saxon.co.uk)

Tel: +44(0) 8443 722 877

Fax: +44(0) 8443 722 876

Mobile: +44(0) 7879 446 022

Fischbein Saxon celebrates a hundred years of expertise in bag closing solutions and are running a special product promotion on all portable sewing machines. All customers can receive **£100 off** their purchase of our **portable bag sewing machines**. Our machines also specifically target potato and onion packers with a competitively priced range of mini sewing systems with integrated V track conveyors and palletisers to cut down your production costs and time.

Assured with the quality and reliability of the Fischbein group's global manufacturing basis and technical staff, they meet the needs of small packers looking for **hand held sewing and sealing machines** and **thread** to complete **bagging** and **Palletising** installations.

## Fischbein Saxon have it all BAGGED UP!

Manual, labour intensive bagging process?

Call us today to discuss one or a combination of the below machines to see how we can save you valuable time and money



### Sewing Systems

From low cost, robust portable sewing machines, mini systems for easier handling, high speed sewing systems with integrated bag clumper and conveyor for automated hands free handling, along with all sewing threads & crepe paper.



### Bag handling/stacking machinery

Filling stations, automatic bag placers, bag top formers for auto entry into closing method, conveyors, kickers, turners and high speed, reliable palletisers with/without integrated wrapping facility. See payback in under two years!

### Sealing Systems

From low cost, manual sealers either bench top mounted or pedestal models to Higher speed hot air, band or radiant continuous Saxon sealers. An array of options available for bar coding, bag trimming, dust free sealing to ATEX versions & more.



### Combined Closures

For dust free, sift proof closures bag gluing, inner liner sealing, or combining the two methods can be achieved on our range of

PINCH bag closures, PINCH Inner liner sealers and Double Roll closures. Popular in milk and fine powders industries.

**FISCHBEIN COMPANY**  
THE LEADER IN BAG CLOSING TECHNOLOGY

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[www.fischbein.com/eastern](http://www.fischbein.com/eastern) • [sales@fischbein-saxon.co.uk](mailto:sales@fischbein-saxon.co.uk)

## Frontier Agriculture Ltd. (Space 14)

### Contact Details:

**David Turner**

Frontier Agriculture Ltd., Witham St Hughs, Lincoln LN6 9TN

Email: **clare.barker@frontierag.co.uk**

Tel: +44(0) 1406 421 577

Fax: +44(0) 1522 866 507

Mobile: +44(0) 7850 380 934

Frontier Agriculture Ltd is the UK's leading crop inputs and grain marketing business.

Frontier's potato division, offer Specialized Application Equipment to Potato Growers, as well as a wide range of products and services supporting potato production, from planting through to harvest and in to store.

Included in the Potato division is sole marketing rights of Storite Super in the UK. Storite Super is a combination of Thiabendazole and Imazalil, used on this year's Seed Potatoes will give unsurpassed control of Silver Scurf, Skin Spot, Dry Rot and Gangrene. Contact David Turner for technical enquiries of this product on 07767 237 570.

Frontier Agriculture Ltd. work with machinery manufacturers including Team Sprayer and Horstine Farmery to offer support with specialist product applications, including Nematicides, in-furrow applications as well as liquid and powder seed treatment. Contact Clare Barker for machinery supply, service or calibration. 07850 380 934.

**SOYL** provide, advice, services and support to growers who wish to use Precision Farming techniques to improve the economic, agronomic and environmental performance.

**Contact Simon Parrington for SOYL enquiries on 01635 204 190.**

For Agronomy Advice and Contract Services for your Potato Crops please contact our representatives in your area.

## Gowan Comércio Internacional e Serviços Limitada (Space 15)

### Contact Details:

**Dr Dominic Lamb, UK & Ireland Business Manager**

Gowan Internacional, 2 Leazes Crescent, Hexham, Northumberland NE46 3JX

Email: **dlamb@gowanco.com**

Tel: +44(0) 1434 606 657

Mobile: +44(0) 7584 052 323

Electis® is a strong protectant fungicide, active on foliar, stem and tuber blight. It has been categorised as one of the top foliar blight fungicides and one of the best protectants by Euroblight. It demonstrates unique zoospore activity, resulting in strong tuber blight protection.

A unique combination of two robust actives, zoxium® and mancozeb, it offers a strong anti-resistance position, with multi-site protection. It is highly rainfast.

Best used from the start of tuber initiation, growers have ultimate flexibility to integrate Electis into their programmes. It adds to the overall effectiveness of blight control and increases marketable yields.

®Electis from Gowan Comércio Internacional e Serviços Limitada



## Grimme (UK) Ltd. (Space 16)

### Contact Details:

#### Ralph Powell, Sales Manager – Scotland

Grimme (UK) Ltd., Gallowmyre House, Pitroddie, Perth PH2 7NU

Email: **r.powell@grimme.co.uk**

Tel: +44(0) 1738 860 676

Fax: +44(0) 1738 860 676

Mobile: +44(0) 7766 443 471

Grimme are manufacturers of the Grimme range of potato equipment including bedforming, tilling, destoning and planting equipment. Mechanical and powered inter-row cultivation equipment. Two, four and six row toppers with flail and spray facility for haulm removal and desiccation. Single row SE, two row and three row potato harvesters GTM and GTS trailed harvesters. Self-propelled harvesters – two and four row models. Sugar beet and vegetable toppers and harvesters as bespoke machines. Grading equipment for into-store/out-of store, including hoppers, box tipplers, cleaners (Multi-Sep/PUCoils), graders, box fillers, conveyors and elevators. Field loading equipment for potatoes and vegetables. Full range of irrigation equipment.

## Haith Tickhill Group (Space 17)

### Contact Details:

#### Adrian Cooke, Project Manager

Haith Tickhill Group, Cow House Lane, Armthorpe, Doncaster, South Yorks DN3 3EE

Email: **sales@haith.co.uk**

Tel: +44(0) 1302 831 911

Fax: +44(0) 1302 300 173

Mobile: +44(0) 7831 110 671

Haith Tickhill Group is now one of the world leaders in manufacturing machinery for handling root crops such as potatoes, carrots, onions, swedes, and all manner of other vegetables. The company specialises in Grading, Washing, Bulk Handling, Weighing, Pre-Packing lines and Water Treatment Systems, using the latest computer aided design and production technology.

Today Haith is recognised as a fore runner in design and technology having just won 'The Queens Award for innovation' along with many other awards for its quality and design and is constantly launching new products which keep the company ahead of its competitors!!

## Herbert Engineering Ltd. (Space 18)

### Contact Details:

#### Pip Case, Marketing Executive

Herbert Engineering Ltd., Middle Drove, Marshland St James, Wisbech, Cambs PE14 8JT

Email: **pcase@rjherbert.co.uk**

Tel: +44(0) 1945 430 666

Fax: +44(0) 1945 430 487

In 2012 Herbert Engineering are celebrating our fortieth year as market leaders in designing and manufacturing top quality agricultural machinery for a variety of root crops.

Herbert's scope ranges from single unit to multi-million pound installations both in the UK and abroad. For every project undertaken quality comes as standard and the priority is to provide a first class solution from customised design, quality of build, efficient installation and outstanding after sales support. Herbert offers a full range of innovative graders, cleaners, tipplers, fillers, washers and conveyors, and sorting and packing systems.

## Marquee Exhibitors

### Higgins Agricultural Ltd. (Space 19)

#### Contact Details:

**David Chalmers, Seed Production Manager**

Higgins Agriculture Ltd., Seed Office, Longhillock Store, Alves, Elgin IV30 8UZ

Email: **dchalmers@higgins.co.uk**

Tel: +44(0) 1343 850 700

Fax: +44(0) 1302 850 504

Mobile: +44(0) 7768 866 810

Higgins Agriculture Ltd – Seed Division

Moray in Scotland is the home of The Higgins Group Seed Operation, an area which is one of Europe's most disease free regions. We are always investing in breeding and research and development to ensure the company maintains its position as one of Scotland's largest seed growers and multipliers.

The Higgins Group is a worldwide exporter with an international reputation. Therefore its vitally important to supply the highest quality seed.

Higgins constantly strive for and invest in excellence.



**Roxam<sup>®</sup>**

**the essential potato  
blight fungicide for  
resistance management**

**Highly effective** foliar, stem and tuber blight control  
**Unique combination** of two robust actives, zoxium and mancozeb  
**Strong anti-resistance position**, with multi-site protection  
**Unique zoospore activity**, resulting in strong tuber blight protection  
**Top rating for activity** on early blight, Alternaria  
**Ultimate flexibility** within the blight programme

**Gowan<sup>®</sup>**  
COMERCIO INTERNACIONAL  
E SERVICIO, LIMITADA

Roxam<sup>®</sup> contains zoxium<sup>®</sup> (zoxamide) and mancozeb.  
Roxam and zoxium are registered trademarks used under licence by Gowan Comercio Internacional e Servicos Limitada.  
**Use plant protection products safely. Always read the label and product information before use.**

## JD Cooling Systems Ltd. (Space 20)

### Contact Details:

**John Dye, Managing Director**

JD Cooling Systems Ltd., Dronley, Muirhead, Dundee DD3 0QJ

Email: [johndye@jdcolling.com](mailto:johndye@jdcolling.com)

Tel: +44(0) 1553 767 446

Fax: +44(0) 1553 767 457

Mobile: +44(0) 7909 993 803

JD Cooling Systems are the UK's leading independent suppliers of advanced specialist cooling systems to the fresh produce industry. JD Cooling Systems are committed to providing low energy, low environmental impact equipment. To achieve this JD Cooling Systems not only embrace new technologies but also develop advanced storage techniques such as our passive up flow system (PUF).

JD Cooling Systems offer a complete design, installation, service and maintenance package. JD Cooling Systems Refcom elite status (the highest status available for refrigerant monitoring) is a sign of our commitment to both our customers and the environment.

## Klim'top Controls (Space 21)

### Contact Details:

**Mike Price**

Klim'top Controls, Monkhall, Calow, Hereford HR2 8DA

Email: [enquiries@klimtop.co.uk](mailto:enquiries@klimtop.co.uk)

Tel: +44(0) 1432 352 900

Mobile: +44(0) 7971 407 474

**KLIM'TOP Controls:** Manufacturer of Crop Storage Equipment for Potatoes, Carrots, Onions, Cabbages and more. Refrigeration, Re-heating, Ambient, Humidification, Internet Remote Controls.

## LC Packaging UK Ltd. (Space 22)

### Contact Details:

**Mark Coleman**

LC Packaging UK Ltd., Bridge Road, Long Sutton, Spalding, Lincs

Email: [info@lcpackaging.co.uk](mailto:info@lcpackaging.co.uk)

Tel: +44(0) 1406 362 511

Fax: +44(0) 1406 362 811

Web: [www.lcpackaging.co.uk](http://www.lcpackaging.co.uk)

LC Packaging is one of Europe's largest packaging suppliers, offering first class products with excellent service!

We hold substantial stocks of many standard items including:

- Woven and Knitted Nets – in various colours and sizes, bespoke printed bags also available.
- Ventilated FIBC's – for the transportation and storage of potatoes, designed to ensure optimum ventilation.
- Hessian Bags – plain or printed up to three colours.
- Net Wrap – for manual/automated wrapping.

Also available: BAXMATIC, our patented system offering automated supply and filling of bags.

For further information please contact our sales team on 01406 362511 or go to [www.lcpackaging.co.uk](http://www.lcpackaging.co.uk).

## Marquee Exhibitors

### Lynchwood Diagnostics Ltd. (Space 23)

**Contact Details:**

**Elizabeth Sullivan, Sales Specialist**

Lynchwood Diagnostics, 40 Commerce Road, Lynch Wood, Peterborough PE2 6LR

Email: [elizabeth@lynchwood-diagnostics.co.uk](mailto:elizabeth@lynchwood-diagnostics.co.uk)

Tel: +44(0) 1733 238 400

Fax: +44(0) 1733 238 412

Mobile: +44(0) 7798 893 295

Web: [www.lynchwood-diagnostics.co.uk](http://www.lynchwood-diagnostics.co.uk)

Lynchwood Diagnostics is the exclusive distributor of Bioreba plant pathogen detection equipment in the UK and ROI. Products include the quick, in-field testing strips for the main potato viruses including the new rapid AgriStrip Magnetic – designed to be the quickest accurate PLRV detection kit on the market. See also our plant sample preparation equipment and disposables.

Visit our stand for a chance to discuss you potato virus detection concerns.



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WHERE EXPERTISE FLOWS

**20% Less product weight loss  
than conventional storage**

**Reduced energy bills**

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to find out how**

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**Tel: 01553 767446;**

**E-Mail: [johndye@jdcooling.com](mailto:johndye@jdcooling.com);**

**URL: [www.jdcooling.com](http://www.jdcooling.com)**

## Makhteshim-Agan UK Ltd. (Space 24)

### Contact Details:

**Lisa Harlow, Business Manager / Paul Hogg, Technical Manager**

Makhteshim Agan UK Ltd., 16 Thatcham Business Village, Colthrop Way, Thatcham, Berkshire RG19 4LW

Email: **admin@mauk.co.uk**

Tel: +44(0) 1635 860 555

Fax: +44(0) 1635 861 555

Makhteshim Agan is the seventh largest manufacturer of crop protection solutions with over six decades of experience. We are dedicated to our farmers and creating simplicity in agriculture; leveraging reputation for quality, value, service and environmental responsibility.

At Makhteshim-Agan (UK) Ltd (MAUK) our aim is to Simplify Agriculture, for instance, new easy-clean packaging; lower application rates; improved formulations, lower concentrations that enhance crop safety while boosting performance; faster rates of uptake; new combinations of active ingredients that can do the job better; strategies designed to reduce residues and to keep leaching well away from water courses. Although our parent company operates in over 120 countries, here at MAUK it's British farmers that matter most. We provide a first-class technical support team to disseminate best advice to agronomists and growers. We're involved in stewardship groups to help keep the right actives in the market. We care about our customers and how our products can play such a large part in protecting their crops from weeds, pests and disease.



## The growing potato product family

**afalon**

**morph**

**shotput**

**gusto 3**

**falcon**

**volley**

**MAJOR**

**titus**

**sherman**

**Quality, tried and trusted products  
from Makhteshim Agan**

Sherman contains pendimethalin. Afalon contains Linuron. Gusto 3 contains metaldehyde.  
Major contains lambda cyhalothrin. Titus contains rimsulfuron. Shotput contains metribuzin.  
Volley contains flazasulfuron. Falcon contains propaquizafop. Morph contains at Dimethomorph.  
All the above are registered trademarks of Makhteshim Agan UK Ltd, Unit 15  
Colthrop Way, Thatcham Business Village, Thatcham, Berkshire RG19 4LW.  
Always read the label. Use pesticides safely.

**Technical Helpline:  
01635 876622  
www.mauk.co.uk**





## McCain Foods (GB) Ltd. (Space 25)

### Contact Details:

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Email: **colin.herron@mccain.co.uk**

Tel: +44(0) 1674 830 681

Fax: +44(0) 1674 830 289

Mobile: +44(0) 7770 932 260

Established in 1986, we are celebrating 25 years of seed potato supply this year. Seed sales to England and abroad have grown from 5,000 tonnes of Pentland Dell, to over 26,000 tonnes of processing varieties including Shepody, Russet Burbank, Umatilla Russet, Pentland Dell and Innovator for Macfry production and retail products Maris Piper, Cabaret, Markies, Royal, Morene and Casablanca.

Seed production centers around a six-year multiplication system initiated from minitubers and field multiplied for five generations. Over 50 contract seed growers are involved, encompassing all seed-growing Scottish counties.

New variety development is key element of our strategy, involving breeding programmes with the James Hutton Institute and Cygnet PB Ltd. Also, our global network identifies and trials potential new varieties from other sources.

## Plant Impact PLC (Space 26)

### Contact Details:

**Andy Aspinall, UK Sales Manager**

Plant Impact PLC, 12 South Preston Office Village, Cuerden Way, Bamber Bridge, Preston PR5 6BL

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Tel: +44(0) 1995 678 302

Fax: +44(0) 1772 645 169

Mobile: +44(0) 7786 175 737

Web: [www.plantimpact.com](http://www.plantimpact.com)

InCa, based on Plant Impact's CaT™ technology, is a calcium delivery system for crops and plants which invigorates a plant's localised distribution of calcium. InCa is different to all other calcium containing products as it is much more effective in delivering calcium and moving it at the cellular level.

Many potato crops suffer quality problems because the tuber is inherently low in calcium due to its function within the crop. This is as a result of limited transpiration to draw calcium through the xylem to the tuber.

The potato crop removes 30% of its total calcium need from the soil up to tuber initiation and the remaining 70% after that. InCa is first applied to the potato crop at tuber initiation (BBCH scale 40) because this is when the crop experiences significant growth-related stress. By facilitating the redistribution of calcium at this critical point, the crop will produce more tubers and furthermore achieve better size uniformity.

Three applications of InCa are designed to reduce crop losses and limit the impact of abiotic stress. InCa is easily applied to the crop and can be mixed with fungicide or insecticide sprays thereby avoiding a separate application.

# Marquee Exhibitors

## Plant Solutions Ltd. (Space 27)

### Contact Details:

**Alec Roberts, Technical Manager**

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Mobile: +44(0) 7917 834 286

Plant Solutions is an expanding company specialising in the development, promotion and supply of alternative technologies and products for crop protection.

Our range covers specialised bio-fumigant crops, trap crops, green manure crops, seed treatments, bio-stimulants, fertilisers and foliar feeds.

We have an ongoing programme of research and development with particular focus on integrated crop management as a way forward to satisfy the ever changing regulatory restrictions on chemical pesticide use, and the demands by supermarkets to reduce pesticides in crop production.

Our products are used in agriculture and horticulture, both in the UK and overseas in a range of climates and crops.



## For Superior Potatoes



InCa is a highly effective calcium management input ideally suited to unpredictable seasonal weather changes and demanding periods of growth.

### InCa is ideally suited to the needs of potatoes

- ✓ InCa increases potato yields
- ✓ Supports more crop – initiates more tubers
- ✓ Promotes stronger cells – produces healthier, heavier tubers
- ✓ Reduces tuber loss – fewer tubers abscise due to stress
- ✓ Prolongs shelf and storage life
- ✓ Increases potato quality including skin finish
- ✓ Promotes more consistent size and shape of tubers

**Superior potatoes and increased marketable yield generate higher profits**



**Plant Impact** | 12 South Preston Office Village  
Cuerden Way | Bamber Bridge | Preston | PR5 6BL | United Kingdom  
Tel 01772 628328 | Fax 01772 645169 [www.plantimpact.com](http://www.plantimpact.com)

## Marquee Exhibitors

### QV Foods Ltd. (Space 28)

**Contact Details:**

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Mobile: +44(0) 7740 025 992

QV Foods Ltd. is a family owned business owned by the Worth family; they farm over 4,500 acres of prime arable land in the Lincolnshire area. QV Foods itself is grower, packer and processor of fresh and prepared vegetables. It has operational sites in Lincolnshire, Cambridgeshire, Norfolk and Perthshire from which it supplies fresh and prepared potatoes to the UK retail, foodservice, food manufacturing and processing sectors. Through its subsidiary company, Fresh Approach Ltd., it also supplies roots, alliums, brassicas and leafy salads to a similar mix of customers from sources throughout the UK.

### Redwood Refrigeration Ltd. (Space 29)

**Contact Details:**

**Mike McLaughlin, Director**

Redwood Refrigeration Ltd., Redwood, Kinfauns, Perth PH2 7JZ

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Tel: +44(0) 1307 840 750

Mobile: +44(0) 7836 703 630

Specialists in the design, manufacture and installation of innovative refrigeration systems for medium to large scale potato stores.



*Passionate about Produce*

## The Very Best in Quality & Value

*One of the UK's leading Growers, Packers  
& Processors of Potatoes*

*For more information on **QV Foods** please call **01828 687027**  
and ask for **Fraser Malcolm or Jim Stewart***



## The Seed Potato Specialists

*For the Quality Conscious Grower*

*For more information on **Pseedco** please call **01828 687006**  
and ask for **Alistair Redpath or Ross Haynes***



**QV Foods, looking after all your potato needs...**  
**for further information or contact details please visit**  
**[www.qvfoods.com](http://www.qvfoods.com)**

## Ripple Aquaplast (Space 30)

### Contact Details:

**Peter Robinson, Managing Director**

Ripple Aquaplast, 2B Pinketh Place, West Pimbo, Skelmersdale, Lancashire WN8 9QX

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Mobile: +44(0) 7974 429 287

**RippleAquaplast** has been borne out of over 20 years irrigation design and supply experience and our success has always been built upon providing our customers with robust watering systems backed up by a complete technical support package. Our expertise covers all areas of horticulture and agriculture from broad acre root crops, intensive substrate crops, orchards and nurseries all the way through to sports and landscape. The requirements are the same. Putting water where it is required at the correct rate.

**RippleAquaplast** can be involved from concept to commissioning and for us, our reputation is on the line 100% of the time.

## Solanis Ltd. (Space 31)

### Contact Details:

**Stephen North / James Thompson**

Solanis Ltd., 56 Fakenham Road, Great Ryburgh, Fakenham, Norfolk NR21 7AN

Email: **stephennorth@solanis.co.uk / jamesthompson@solanis.co.uk**

Tel: +44(0) 1328 829 371

Fax: +44(0) 1328 829 355

Mobile: +44(0) 7896 103 227 – Stephen North (seed sales)

+44(0) 7799 030 538 – James Thompson (ware/agronomy)

Solanis Ltd. provide a complete service from seed sourcing and field agronomy through to crop movement.

Directors James Thompson and Stephen North have over 50 years experience in the industry.

Solanis trades with all major seed houses as well as selected seed growers.

We have a trial field near Cambridge with over 160 varieties, as well as a number of observation sites across the UK.

We are UK agents for exciting new varieties including: Primavera – early chipping; Alberta and Messi – general purpose/processing; Michelle – pre pack.

We are looking for more suppliers to satisfy an increasing demand for the bag chipping market to merchants across the UK.

## Strathmore Potatoes Ltd. (Space 32)

### Contact Details:

**Niall Allison**

Strathmore Potatoes Ltd., West Craig, Dundee Road, Forfar, Angus DD8 1XE

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Tel: +44(0) 1307 464 654

Fax: +44(0) 1307 464 200

Mobile: +44(0) 7833 470 017

Breeders, Merchants, Growers and Exporters.

We are marketing agents for Harlequin and Claret, two superb seed varieties from the world renowned James Hutton Institute. We have our own mini-tuber operation on site producing up to 150,000 mini-tubers annually for both personal and customer use. Exporters of all conventional seed including our own production Cara. Professional dedicated supplier group with access to all major seed varieties. Joint venture with Produce World – Solanum Ltd. Suppliers of seed and ware to all sectors within the Potato Industry.

Privately owned with a professional approach to both customer and supplier needs.  
[www.strathmorepotatoes.co.uk](http://www.strathmorepotatoes.co.uk)

## Syngenta Crop Protection UK Ltd. (Space 33)

### Contact Details:

**Iain Anderson, Area Manager, Central Scotland**

Syngenta Crop Protection UK Ltd., CPC4 Capital Park, Fulbourn, Cambridge CB21 5XE

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Mobile: +44(0) 7841 783 869

Web: [www.syngenta-crop.co.uk](http://www.syngenta-crop.co.uk)

Syngenta is one of the world's leading companies, with more than 25,000 employees in over 90 countries. Syngenta invests over £1.6m per day in research and development to increase crop productivity, protect the environment and improve health and quality of life.

As a major player in the Potato Crop Protection Market, Syngenta's offers include AMISTAR, NEMATHORIN, DEFY, RETRO, REGLONE, REVUS, FUBOL GOLD, SHIRLAN, REGLONE, ACTARA, PLENUM, APOX, AND HALLMARK ZEON.

Also, introducing a new product from Syngenta for the 2013 growing season, MAXIM 100FS is a liquid seed treatment, with the broadest efficacy label against the main diseases in potatoes, allowing the grower to optimise yield and skin quality.



# Marquee Exhibitors

## Tong Peal Engineering Ltd. (Space 34)

### Contact Details:

**Nick Woodcock, Sales Manager**

Tong Peal Engineering Ltd., Ashby Road, Spilsby, Lincs PE23 5DW

Email: **nick@tongpeal.com**

Tel: +44(0) 1790 752 771

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Mobile: +44(0) 7860 718 191

Tong Peal is one of the UK's leading designers and manufacturers of handling and sorting equipment for the vegetable industry, specialising in producing a wide range of custom built machinery for the grading, washing and handling of various crops, including potatoes. The company's technically advanced grading equipment is specifically designed to offer efficient and gentle handling. From concept design to manufacture and installation, Tong Peal offers the complete solution to your grading and handling needs.



**Providing a world-class service to the  
potato and vegetable industry.**

Grading, box & bag handling, washing,  
weighing and more



**For more information contact:  
Tong Engineering Ltd**

T/ +44 (0)1790 752771 E/ [sales@tongpeal.com](mailto:sales@tongpeal.com)  
Ashby Road, Spilsby, Lincolnshire PE23 5DW

**WWW.TONGPEAL.COM**

## TRP Scotland Ltd. (Space 35)

### Contact Details:

**Billy Beatson, Sales Engineer**

TRP Scotland Ltd., East Field, Forgandenny, Perth PH2 9EX

Email: **bb@trp.uk.com**

Tel: +44(0) 1738 812 888

Fax: +44(0) 1738 813 197

Mobile: +44(0) 7788 626 515

Web: [www.standen.co.uk](http://www.standen.co.uk)

Many years of experience enables TRP (Scotland) Ltd to provide high quality professional sales, service and parts support for STANDEN-PEARSON Potato Systems products in Scotland.

TRP has the expertise to specify the right machines, and the resources to provide dedicated, experienced engineers and parts specialists to support them.

### STANDEN-PEARSON products include:

- BEDFORMER BX bed formers
- POWAVATOR rotary tillers with bed formers
- SP mounted and trailed planters
- MEGASTAR GEN-2 compact soil separator
- UNISTAR, high-output soil separator; large stars over UNDERweb
- UNIWEB, high-performance 4-web separator
- T2, 2-row harvester, OMEGA fluted roller separation
- T2 Starflow, purpose built vegetable harvester
- T3, 3-row potato harvester with OMEGA separation
- BASELIER potato toppers; 2-row, 3-row, 4-row and 6-row models

Further information, brochures, films, used machines at [www.standen.co.uk](http://www.standen.co.uk)

## United Phosphorus Ltd. (Space 36)

### Contact Details:

**Richard Allen, UK Sales Manager**

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Mobile: +44(0) 7831 346 369

United Phosphorus (UPL) is a leading global producer of crop protection products ranking amongst the top 12 largest producers worldwide.

UPL market a wide range of products in the UK, the majority of which are produced at their own formulation plant in Cheshire.

They are developing a range of potato blight fungicides and are global leader in the supply of Mancozeb.

UPL also market chlorpropham (CIPC) including brands such as Pro-long and MSS Sprout Nip, which makes them the country's leading supplier of potato sprout suppressants.

UPL are constantly developing and acquiring new products for the potato grower.

# Marquee Exhibitors

## Verbruggen Emmeloord B.V. (Space 37)

### Contact Details:

**Alex Verbruggen – Managing Director**

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Fax: +31(0) 527 620 193

Fax: +31(0) 653 712 146

Verbruggen Emmeloord BV is a leading manufacturer of palletising and conveyor systems for agricultural and manufactured products in bags, crates or cartons. Verbruggen owes its worldwide acceptance of their equipment to their research and development, to the client-oriented approach, the high-quality equipment and a reliable organisation. Verbruggen provides tailor-made solutions based on a modular design, supplying palletising equipment, including pallet transport systems, pallet wrapping machines, conveyors and vertical lift systems. Verbruggen palletisers stand out thanks to their solid practical design and simple operating systems.

## VG Energy Ltd. (Space 38)

### Contact Details:

**John Baxter, Director**

VG Energy Ltd., Unit 7, Ground Floor, Thainstone Centre, Inverurie AB51 5WU

Email: **info@vgenergy.co.uk**

Tel: +44(0) 1467 809 410

VG Energy Ltd. are renewable energy specialists who specialise in small – medium scale wind turbines and solar PV/thermal panels which are suitable for both domestic and commercial clients.

We offer a complete service from initial site survey, planning and line survey, installation, commissioning and ongoing maintenance. We are also MCS certified as well as ISO 9001 and 14001.

## Wroot Water Ltd. (Space 39)

### Contact Details:

**Anthony Hopkins, Director**

Wroot Water Ltd., The Oaks, High Street, Wroot, Doncaster DN9 2BU

Email: **anthony@wrootwater.com**

Tel: +44(0) 1302 771 881

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Mobile: +44(0) 7771 823 399

Providing a unique irrigation service to farmers and growers with specialist advice on irrigation systems to suit the individual requirements of customers, particularly drip and sprinkler irrigation systems.

Continuous soil and weather monitoring equipment, individual service and supply of patented equipment for the installation and retrieval of tape, Wroot Water Ltd. provides sales and hire service on products which enable growers to optimise efficient water use and the effective application of water and nutrients whilst managing resources efficiently and precisely.

Supply of all types of irrigation equipment and fittings, design, fabrication and installation of pumping and underground systems.

# Machinery and Outdoor Exhibits

## Agricar Ltd.

### Contact Details:

**Robert A Murray, Sales Manager**

Agricar Ltd., 6 Lochside Road, Forfar, Angus DD8 3SE

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Tel: +44(0) 1307 462 281  
Fax: +44(0) 1307 467 199  
Mobile: +44(0) 7977 280 723

Agricar Ltd. are main dealers for the full range of Grimme potato planting, harvesting and handling equipment for Tayside. Along with New Holland tractors, telehandlers and harvesting machinery.

## Alan Mackay Machinery Ltd.

### Contact Details:

**Alan Mackay, Managing Director**

Alan Mackay Machinery Ltd., Garthfield, Padanaram, Angus DD8 1PF

Email: **admin@alanmackay.co.uk**  
Tel: +44(0) 1307 462 081  
Fax: +44(0) 1307 462 244  
Mobile: +44(0) 7710 783 114

Alan Mackay Machinery, Forfar – suppliers of CTM stone and clod separators. CTM is a family based firm in Norfolk who specialise in manufacturing beet harvesters and cleaners. The CTM range of stone and clod separators come in web and star forms. CTM have been manufacturing these separators for a number of years and have success on the continent as well as the UK.

We also have an extensive range of wearing parts for Reekie, Underhaug, and for leading plough manufacturers. We carry a wide range of parts for KUHN farm equipment and are agents for Tong Peal potato handling equipment.

## AM Philip Agritech

### Contact Details:

**Martin Barrow, Marketing**

AM Philip Agritech, Muirifalls, Forfar, Angus DD8 1XPE

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Fax: +44(0) 1307 820392  
Mobile: +44(0) 7801 792 925

## Netherton Tractors Ltd.

### Contact Details:

Netherton Tractors, Tollmuir, Finavon, Forfar, Angus DD8 3QG

Tel: +44(0) 1307 461 222  
Fax: +44(0) 1307 850 424

# Machinery and Outdoor Exhibits

## Scanstone Potato Systems

### Contact Details:

**Graham Ferrier**

RGS Forfar Ltd., East Mains of Burnside, by Forfar, Angus DD8 2RX

Email: **judypeters@btconnect.com**

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Fax: +44(0) 1307 819 429

Mobile: +44(0) 7971 242 902

RGS Forfar Ltd. manufacture the Scanstone range of bedformers, bed tillers, stone and clod separators and the potato and vegetable windrower, newly launched for the 2012 season.

Bedformers are available in 2, 3 or 4 bed models. Tillers are available in single, double and triple bed models, stone and clod separators are available in all web or star and web combinations. We are also UK agents for the AVR range of potato harvesting equipment.

Our premium parts range includes wearing parts for Underhaug and Reekie potato equipment. We are also East of Scotland agents for Javelin Irrigation equipment.

## United Box Ltd.

### Contact Details:

**Bob Scott, Sales Executive**

United Box Ltd., Baikie Farm, Airlie by Kirriemuir, Angus DD8 5NY

Email: **united.box@pallet.co.uk**

Tel: +44(0) 1575 530 229

Fax: +44(0) 1575 530 388

Mobile: +44(0) 7968 322 175

The complete box service from the UK's leading quality box manufacturer.

Standard class 8 and 6 always in stock,

1.2 tonne and 1.25 tonne available on request.

Quotations available for bespoke box orders.

All boxes built to BS standard 7611/92 from quality timber supplied by James Jones from local sawmills.

Inkjet printing system for names and logos.



# Acknowledgements

Thank you to the following:

The Potato Council for being the main sponsor of this event.

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July 2012.

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## Disclaimer

The views stated in individual sections of this booklet are not necessarily the views held by all partners.

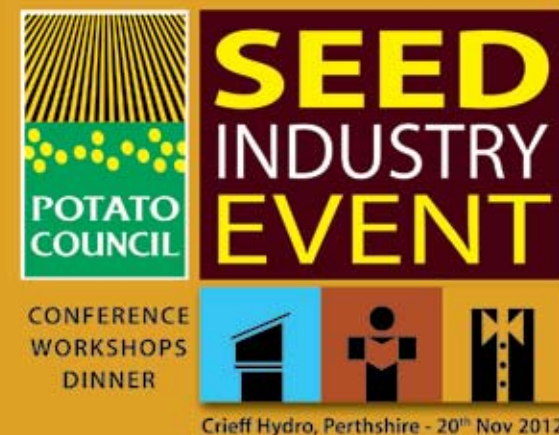
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Whether you breed or grow potato seed, supply those who do, or handle, market or export the crop, investing one day to make sure you're in tune with where the industry is going could make a massive difference.

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To find out more about the event for everyone in seed potatoes and to secure your place, visit:

[www.potato.org.uk/sie2012](http://www.potato.org.uk/sie2012)

# Notes