

Climafruit transnational trial

 Future-proofing berryfruit
CLIMAFRUIT

The Interreg IVB
North Sea Region
Programme



Lillehammer 22.09.2011



The James
Hutton
Institute

Transnational trial

- Raspberries

	Scotland	Denmark	Germany	Sweden	Norway (Tromso)	Norway (Apelsvoll)
Glen Ample	X	X	X	-	-	
Glen Fyne	X	X	X	-	-	
Octavia	X	X	X	-	-	
Tulameen	X	X	X	-	-	
Autumn Treasure	X	X	X	-	-	
Polka		X	X	-	-	
Erika		X	X	-	-	

Transnational trial

- Blackberries

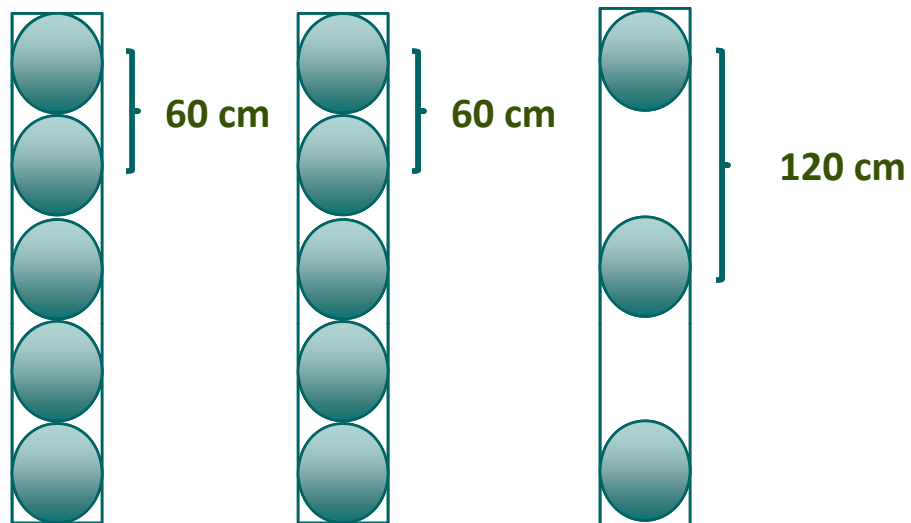
	Scotland	Denmark	Germany	Sweden	Norway (Tromso)	Norway (Apelsvoll)
Karaka Black	X	X				
Loch Ness		X				

Transnational trial

- Blackcurrants

	Scotland	Denmark	Germany	Sweden	Norway (Tromso)	Norway (Apelsvoll)
Ben Gairn	X	X	X	-	-	X
Ben Vane	X	X	X	-	-	X
Ben Klibreck	X	X	X	-	-	X
Ben Alder	X	X	X	-	-	X
Ben Hope	X	X	X	-	-	X

Transnational trial in Scotland



Raspberry

Blackcurrant

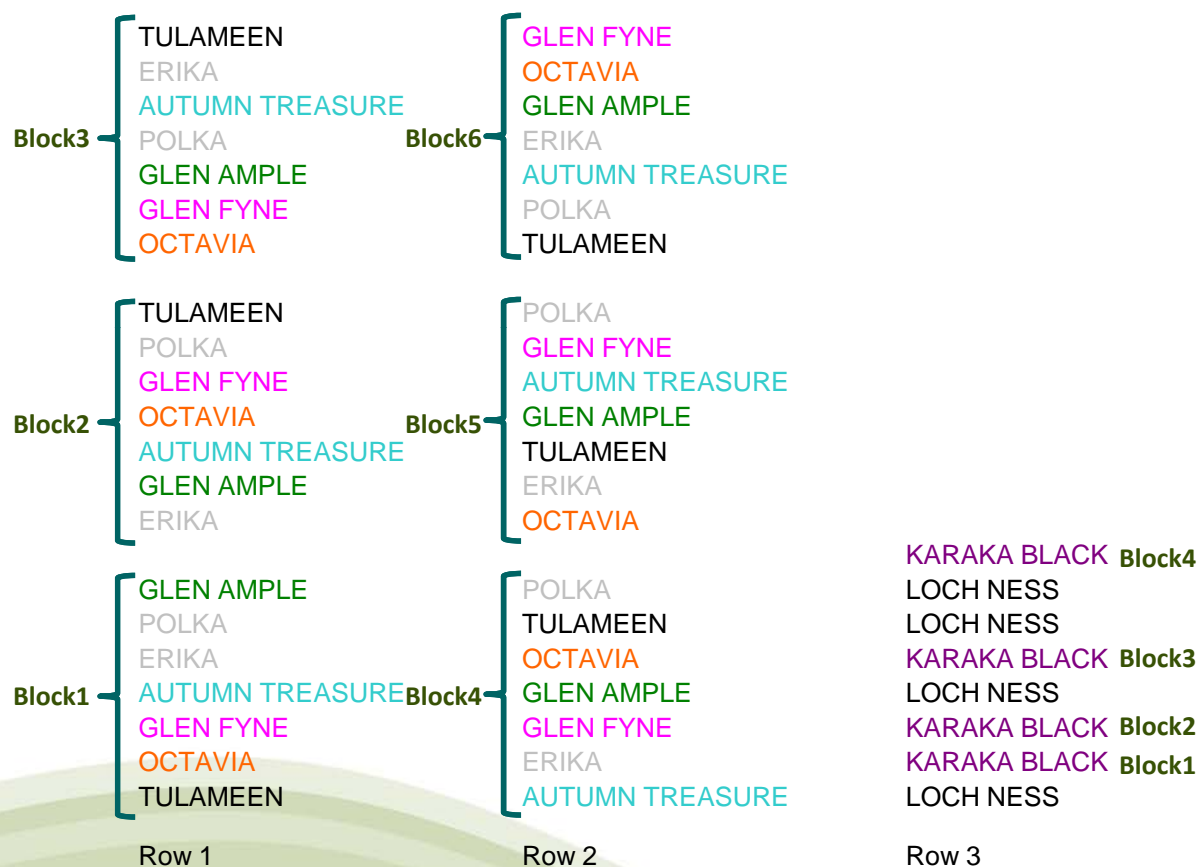
Blackberry



14.09.2011

Missing Polka, Erika and
Loch Ness

Transnational trial in Scotland



Planted April 2010

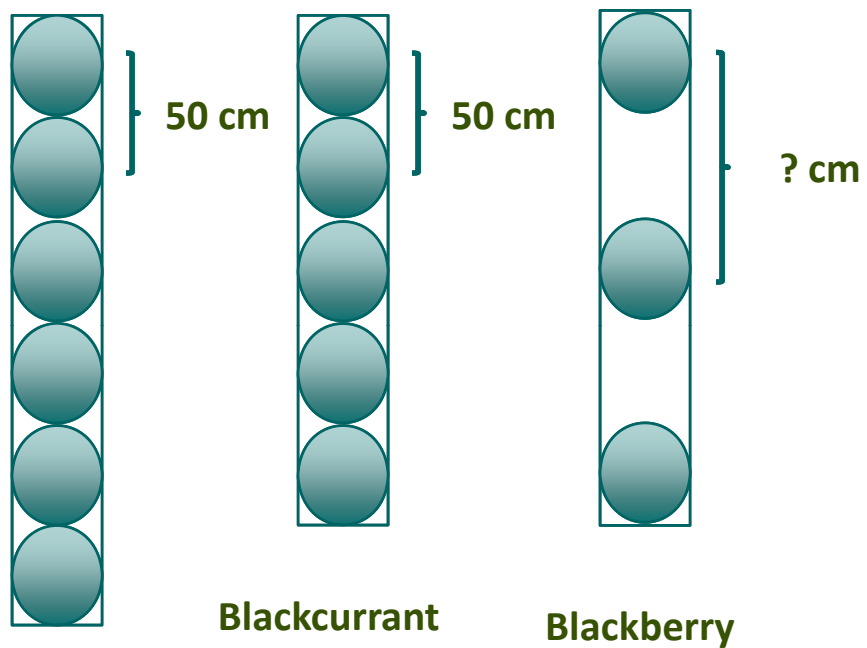
Transnational trial in Scotland



ALDER	HOPE	KLIBRECK	KLIBRECK	ALDER	GAIRN
VANE	GAIRN	GAIRN	HOPE	GAIRN	KLIBRECK
HOPE	VANE	ALDER	VANE	HOPE	HOPE
GAIRN	KLIBRECK	HOPE	GAIRN	VANE	VANE
KLIBRECK	ALDER	VANE	ALDER	KLIBRECK	ALDER

ROW 1 ROW 2 ROW 3 ROW 4 ROW 5 ROW 6

Transnational trial in Denmark



14.09.2011

Raspberry

Missing Polka, Erika and
Loch Ness

Transnational trial in Denmark



	1	2	3	4
	1	2	3	4
	2	3	4	1
	3	4	1	2
	4	1	2	G Fyne
F Gold	Tulameen	Octavia	G Ample	
Polka	A Treasure	G Doll	G Rosa	
A Bliss	Erica	G Rosa	Tulameen	
Erica	Polka	Octavia	G Doll	
A Treasure	F Gold	G Ample	G Fyne	
Polka	A Bliss	G Doll	G Rosa	
F Gold	Erica	G Fyne	Octavia	
A Bliss	A Treasure	Tulameen	G Ample	

3 blocks with 1 randomised rep of each genotype

Planted in 2010:

- A Bliss
- A treasure
- F Gold
- Tulameen
- G Ample
- G Fyne
- Octavia

Planted in 2011:

- Erica
- Polka
- G Doll
- G Rosa

row

1

2

3

4

Transnational trial in Denmark



block

5	4	2	8	3
	1	6	7	5
4	8	1	3	2
	7	4	5	6
3	6	8	1	7
	5	3	4	2
2	4	6	2	8
	3	7	5	1
1	2	4	6	8
	1	3	5	7
Row	1	2	3	4

**5 blocks with 1
randomized rep
of each genotype**

Planted in 2011

- 1 Loch Ness
- 2 Loch Tay
- 3 Karaka Black
- 4 Navaho
- 5 Nachez
- 6 Chester
- 7 Helen
- 8 Loch Marie

Transnational trial in Denmark



8	1	16		
12	11	9	13	4
14	7	15	10	3
5	6	2	5	14
7	16	12	11	9
2	15	6	3	10
16	8	1	4	13
11	12	13	14	15
10	9	8	7	6
1	2	3	4	5

row

1 2 3 4 5

- 1 Ben Lomond
- 2 Zusha
- 3 Ben Alder
- 4 Ben Hope
- 5 Ben Gairn
- 6 Ben Klibreck
- 7 Ben Vane
- 8 Ben Finlay
- 9 SCRI 9163-5
- 10 SCRI 91198-3
- 11 SCRI 9443-4
- 12 SCRI 9443-6
- 13 SCRI 94142-1
- 14 SCRI 9956-2
- 15 SCRI 9968R-6
- 16 Intercontinental

Discussion points

- **Standardization of scoring (score for individual pests and diseases instead of global)**
- **Standardized fruit picking for chemical analysis**
- **Comparison between local nurseries and transnational trial**
- **Comparison between methods between different countries at one location**