

Potatoes



Varieties for
Northern Ireland
2013/14



Department of
**Agriculture and
Rural Development**
www.dardni.gov.uk



Agri-Food and Biosciences Institute

AFBI's mission:

“Supporting government policy and industry innovation across the agri-food and rural sector through the provision of high quality scientific services, advice and expertise”

AFBI provides research and development, analytical and diagnostic services, and scientific advice in agriculture, food, animal and plant health, marine and fresh water ecosystem management and the agri-environment.

AFBI's expertise includes:

Veterinary diagnostics; animal health and welfare; food science; crop and livestock systems; biometric traceability; plant breeding; biometrics and statistics; agricultural economics; renewable energy and non-food crop agronomy; oceanography; aquatic and land based ecosystem management of natural resources.

Technology includes:

Molecular technologies; light and electron microscopy; mass spectrometry; pathogenesis studies; biosensor technology; seabed mapping and minimal processing technologies.

If you have a problem in agri-food or biosciences, AFBI offers a high quality, cost-effective solution.

To find out what AFBI can do for your business, contact:

AFBI Innovations

AFBI Headquarters, Newforge Lane,
Belfast BT9 5PX, Northern Ireland, UK.

Tel: +44 (0)28 90 255 636

Fax: +44 (0)28 90 255 035

email: info@afbini.gov.uk

www.afbini.gov.uk

POTATOES

VARIETIES FOR NORTHERN IRELAND 2013/14

CONTENTS

Page

Introduction	1
Potato varieties on the web	2
Characteristics	3
Agronomic.....	3
Eating and Crisping quality.....	4
Chipping quality.....	5
Diseases and pests.....	6
Maincrop and Second Early Varieties.....	7
Tables of characteristics	7
Descriptions	31
First Early Varieties	67
Tables of characteristics	67
Descriptions	70
Summary.....	74
Appendix 1 Agents and breeders	75
Appendix 2 Chip characteristics.....	77

Acknowledgements

The potato team at AFBI Crossnacreevy at the Plant Testing Station wish to thank their colleagues for their assistance with the potato variety trials and especially the grower who provides the site for the early trial. The contributions of colleagues in DARD Agri-food Inspection Branch and at the CAFRE Greenmount Campus to the trials are greatly appreciated.

POTATO VARIETIES – 2013/14

Ethel M. White, BSc PhD and Carol E. Hall

AFBI Crossnacreevy

Plant Testing Station

Crossnacreevy

INTRODUCTION

New potato varieties are evaluated in Northern Ireland by the Plant Testing Station, Crossnacreevy, in conjunction with DARD Agri-food Inspection Branch, in trials conducted to determine their potential for production by local growers and use by processors and consumers. First early varieties are grown in trials situated in the Comber area of Co. Down. Maincrop and second early varieties are assessed in trials situated at AFBI Crossnacreevy, the Plant Testing Station, and the CAFRE Greenmount Campus. Three replicates of maincrop and second early varieties are planted in a randomised block design, each plot having four drills of 20 tubers per drill. Harvested tubers from the two outer drills are stored for three-four months following harvest while those from the two inner drills are graded and used in quality assessment after harvest. The trials are planted in mid-April or as soon as soil conditions are suitable. Herbicides and fungicides are applied routinely to minimise weed problems and infection by blight. The maincrop and second early trials are burned down chemically in early September and harvested three weeks later or as soon as soil conditions are suitable. Yield and associated characteristics, storage and quality characteristics are assessed on the harvested tubers.

Varieties are classified as Maincrop, Second Early and First Early. Within each maturity group, varieties are divided into two groups:

1. Established varieties, commonly grown for ware in N. Ireland and varieties which have completed at least three years in trial.
2. New varieties currently in trial.

All varieties which have completed trials are fully described and will continue to be listed in subsequent publications as long as they are included in seed multiplication schemes in Northern Ireland and other parts of the United Kingdom, and the Republic of Ireland. Varieties currently in trial are denoted in the descriptions. Information on these varieties, which have completed National List trials or are being introduced from other countries, is as yet limited, especially with respect to consumer quality.

Details of the breeder and the agent are provided for varieties which have completed trials and are currently in trials. Where only one name is given, this organisation is both the breeder and the agent. Addresses of agents are presented in Appendix 1.

POTATO VARIETIES ON THE WEB

Information on all the varieties included in this booklet and on varieties included in trials but for which seed is not currently available in the British Isles is also available on the AFBI website at www.afbini.gov.uk

CHARACTERISTICS

AGRONOMIC

Marketable Yield - Up to 1990 the marketable grades were 40 to 80 mm but since 1991 they have been 45 to 85 mm. Yields are presented as percentages of the yields of the control varieties - Desiree for maincrop and second early varieties and Home Guard for first early varieties. For maincrop and second early varieties, mean yields are presented from two trials per year conducted in Northern Ireland over a minimum of three years usually. For first early varieties yields at an early lift, normally mid-end June, are presented in the tables together with yields at maturity.

Tuber Number and Size - Varieties producing a large number of tubers will have a high figure on a 1-9 scale, each point on the scale being an increment of 50,000 tubers/ha giving an increase from 200,000 tubers/ha for 2 to 500,000 tubers/ha for 8 on the scale. Varieties with greater proportions of their marketable yields in the 65 - 85 mm grade (60 - 80 mm pre-1991) compared with the 45 - 65 mm grade (40 - 60 mm pre-1991) will have high figures on a 1-9 scale.

Defects and Damage - Low production of defects, namely cracked, green, mechanically damaged during handling at harvest, misshapen, slug or wireworm damaged tubers, is indicated by a high figure on a 1-9 scale. Varieties with good resistance to damage as assessed in controlled tests will have a high figure on a 1-9 scale.

Foliage Maturity - Varieties whose foliage matures and senesces early are given a high figure on a 1-9 scale.

EATING AND CRISPING QUALITY

Varieties are included in chipping tests if they have dry matter contents of greater than 20% or if their breeder has claimed chipping and/or crisping as an end-use. Fry colour and its variation, internal discolouration and peeling efficiency are assessed on selected varieties after harvest and after storage. Details of the characters and their methods of assessment are provided below and in Appendix 2.

Dry Matter - Dry matter is presented as a percentage figure.

Freedom from Disintegration - Varieties which disintegrate when cooked will have a high figure on a 1-9 scale.

Mealiness - Varieties which are mealy when cooked will have a high figure on a 1-9 scale.

Cooked Flesh Colour - When cooked, flesh colour is described as white (W), cream (C), light yellow (LY) or yellow (Y).

Freedom from After Cooking Blackening - Varieties which show little tendency to blacken after cooking will have a high figure on a 1-9 scale.

Freedom from Enzymic Browning - Varieties in which a brown colour does not develop on the surface of peeled potatoes before cooking will have a high figure on a 1-9 scale.

Crisp Colour - Varieties which have a light colour after crisping will have a high figure on a 1-9 scale. Many varieties will have a suitable crisp colour both after harvest and after storage. A few varieties have a suitable crisp colour only after harvest and an extremely occasional variety has a suitable crisp colour only after storage. Other characteristics, such as tuber shape, will also determine overall suitability for crisping.

CHIPPING QUALITY

Fry colour and its variation, internal discolouration and peeling efficiency are assessed after harvest and after storage.

Fry Colour

Fry colour after chipping 500g freshly cut chips at 190°C for 4.5 minutes.

Colour is assessed using the USDA chip colour chart which has seven grades: 000 – 00 – 0 for light coloured chips and 1 – 2 – 3 – 4 for darker coloured chips. The numbers and weights of chips in each of the grades are recorded. This scale is converted into an AFBI 1-7 scale, where 1 = ultra light and 7 = very dark, for ease of computation. The results have been presented as the following characters:

- Fry colour: mean colour of ALL chips
- Colour consistency: a calculated measure of the distribution of chips across all colour grades on a 0 – 3+ scale where 0 = no variation, i.e. 100% of the chips found in one colour grade.

Varieties suitable for chipping should have a golden (USDA: 1, AFBI: 4) colour, possibly light (USDA: 0, AFBI: 3) in a few varieties and occasionally dark golden (USDA: 2, AFBI: 5) in some varieties. Ideally the chips should have no variation in colour (0) or be highly uniform (0.01 – 0.25) or uniform (0.26 – 0.50). Fry colour may deteriorate slightly and colour often becomes more variable during storage.

Internal Discolouration After Frying

Internal discolouration of the chips may occur. This greying of the flesh is similar to that assessed in after-cooking blackening of steamed tubers. It is assessed by slicing 10 chips and determining the discolouration on a 1 – 9 scale where 9 = no discolouration.

Internal discolouration of varieties should not occur (>9.0) but is often very slight (8.5 – 8.9) or slight (7.0 – 8.4). Internal discolouration frequently becomes worse during storage.

Peeling Efficiency

Peeling efficiency is determined from weights of the tubers before and after peeling and is reported as a %.

A high peeling efficiency (>80%) is desirable in chipping varieties with many varieties achieving good peeling efficiency (70 – 79%). Peeling efficiency deteriorates slightly in most varieties during storage.

Full details of the scales for all characters are given in Appendix 2.

DISEASES AND PESTS

Good resistance to disease, including viruses, is indicated by a high figure on a 1-9 scale. For some varieties, resistance to dry rot has been determined separately for *Fusarium coeruleum* (F.c.) and *Fusarium sambucinum* (F.s.). Resistances to potato cyst eelworm, *Globodera rostochiensis* and *Globodera pallida*, are usually presented as S (susceptible), PR (partially resistant) and R (resistant) but, more recently, a numerical 1-9 scale has been introduced for new varieties similar to that for fungal and viral diseases. This information on diseases and pests mainly summarises results of tests conducted during the two preliminary years of evaluation for National List purposes in the United Kingdom. Resistance scores on some varieties have been based on tests conducted by the National Institute of Agricultural Botany, Cambridge.

Changes have occurred in the populations of the foliage blight pathogen, *Phytophthora infestans*, in the British Isles in recent years. Varieties are being retested for their resistance to the newer more dominant genotypes, namely 13_A2. Several varieties have had their resistance scores revised, namely: Accent, Barna, Cara, Cosmos, Dundrod, Galactica, Harmony, Home Guard, Kerr's Pink, Kondor, Lady Balfour, Markies, Nadine, Orla, Pentland Dell, Pentland Ivory, Premiere, Rembrandt, Richhill, Robinta, Romano, Sante, Sarpo Mira, Slaney, Stirling and Sunset. Whilst not all these varieties are included in this booklet, they may be found on the website.

MAINCROP AND SECOND EARLY POTATO VARIETIES - AGRONOMIC CHARACTERISTICS

Key: Maincrop varieties <i>Second early varieties</i>	Marketable yield (100 = 39.8 t/ha)	Number of tubers (9 = many tubers)	Size of tubers (9 = large tubers)	Freedom from defects (9 = few defects)	Resistance to damage (9 = little damage)	Foliage maturity (9 = early maturity)
Agria	89	3	8	4	4	5
Aldo	116	8	5	8	5	8
Ambo	110	3	8	7	4	4
Anna	125	5	7	7	5	6
Anya	14	3	4	7	5	9
Argos	140	3	9	5	4	4
Arran Victory	103	9	5	9	5	4
Asterix	93	5	5	6	5	5
Atlantic	82	5	7	7	1	5
Avalanche	92	6	6	7	2	7
Axona	63	5	4	8	3	3
Barna	116	5	6	7	3	3
Blue Belle	99	4	7	8	5	6
Blue Danube	61	7	4	9	5	4
<i>Bonnie</i>	<i>125</i>	<i>4</i>	<i>9</i>	<i>6</i>	<i>4</i>	<i>5</i>
<i>British Queen</i>	<i>92</i>	<i>7</i>	<i>4</i>	<i>7</i>	<i>5</i>	<i>7</i>

Key

Regular type – maincrop varieties

Bold italic type – second early varieties

MAINCROP AND SECOND EARLY POTATO VARIETIES - AGRONOMIC CHARACTERISTICS

Key: Maincrop varieties Second early varieties	Marketable yield (100 = 39.8 t/ha)	Number of tubers (9 = many tubers)	Size of tubers (9 = large tubers)	Freedom from defects (9 = few defects)	Resistance to damage (9 = little damage)	Foliage maturity (9 = early maturity)
Cabaret	75	5	5	7	4	7
Caesar	112	5	6	7	5	5
Cara	109	5	6	7	5	3
Carlingford	114	9	5	7	3	7
Celine	85	8	4	8	4	9
Challenger	89	6	5	8	5	5
Charlemont	130	7	6	6	4	6
Cosmos	127	4	9	6	5	5
Courage	101	8	5	9	5	7
Cultra	117	6	6	9	5	4
Daisy	118	5	5	8	5	6
Desiree	100	5	6	7	5	6
Divaa	85	2	7	5	4	7
Dunbar Standard	100	4	7	8	4	4
Estima	120	5	7	6	4	7
Exquisa	52	7	4	6	2	5
Fambo	78	2	7	6	5	9
Fianna	93	6	5	8	5	4
Fontane	98	5	5	7	5	7
Galactica	90	6	6	7	3	5
Harmony	119	5	7	7	5	7
Hermes	103	5	6	8	5	7

Key: Maincrop varieties Second early varieties	Marketable yield (100 = 39.8 t/ha)	Number of tubers (9 = many tubers)	Size of tubers (9 = large tubers)	Freedom from defects (9 = few defects)	Resistance to damage (9 = little damage)	Foliage maturity (9 = early maturity)
Horizon	120	9	5	9	5	5
Hunter	88	4	6	6	3	8
Isle Of Jura	106	6	6	7	4	6
Kerr's Pink	87	5	5	8	5	4
Kestrel	114	4	7	5	6	7
King Edward	93	8	5	8	5	5
Lady Balfour	133	5	7	7	4	6
Lady Claire	80	8	4	9	5	8
Lady Jo	87	7	4	9	4	8
Lady Olympia	89	4	6	7	4	8
Lady Rosetta	95	5	6	8	6	6
Lanorma	101	2	9	6	4	5
Marfona	125	5	9	7	4	7
Maris Peer	76	7	5	8	5	8
Maris Piper	97	6	5	7	5	5
Maritima	103	6	6	8	5	8
Markies	99	4	6	7	5	5
Maxine	128	5	7	8	5	6
Mayan Gold	36	8	4	8	6	4
Melody	95	8	5	8	5	6
Mustang	75	7	4	8	5	6
Nadine	111	7	5	7	5	8
Navan	103	6	6	8	5	4
Nectar	120	8	5	8	5	5

MAINCROP AND SECOND EARLY POTATO VARIETIES - AGRONOMIC CHARACTERISTICS

Key: Maincrop varieties <i>Second early</i> <i>varieties</i>	Marketable yield (100 = 39.8 t/ha)	Number of tubers (9 = many tubers)	Size of tubers (9 = large tubers)	Freedom from defects (9 = few defects)	Resistance to damage (9 = little damage)	Foliage maturity (9 = early maturity)
Nieta	79	8	4	6	4	7
Olympus	79	4	5	9	4	5
Orla	118	7	6	8	5	7
Osprey	99	6	6	7	4	7
Paramount	126	8	5	9	6	6
Pentland Crown	103	5	6	7	3	5
Pentland Dell	94	5	5	8	4	5
Pentland Squire	105	4	7	7	5	4
Picasso	132	5	8	5	4	5
Pomeroy	104	4	6	7	3	3
Ramos	91	5	5	6	4	7
Record	87	6	5	8	6	7
Red Magic	79	3	7	5	2	5
Rembrandt	99	6	5	7	5	8
Richhill	108	5	7	5	2	4
Robinta	125	6	6	8	5	6
Romano	94	6	6	8	5	7
Rooster	94	6	6	8	5	4
Rosegarden	104	5	7	8	5	4
Rubesse	92	4	7	7	4	6
Safari	93	2	9	5	3	5
Sagitta	123	6	7	7	5	6

Key: Maincrop varieties Second early varieties	Marketable yield (100 = 39.8 t/ha)	Number of tubers (9 = many tubers)	Size of tubers (9 = large tubers)	Freedom from defects (9 = few defects)	Resistance to damage (9 = little damage)	Foliage maturity (9 = early maturity)
Sante	109	6	7	8	4	7
Saphire	106	4	8	6	4	4
Sarpo Gwyn	39	2	5	7	5	5
Sarpo Mira	77	5	4	7	5	3
Sarpo Una	98	6	5	8	5	8
Sassy	88	8	4	9	3	7
Saturna	78	7	5	7	5	5
Saxon	123	5	6	7	5	8
Shannon	125	5	8	6	4	8
Shepody	74	2	7	5	4	7
Slaney	118	5	8	8	5	3
Stemster	125	6	6	8	5	6
Sunray	79	7	5	8	6	5
Sunrise	102	5	8	7	4	6
Sunset	115	4	7	7	4	3
Sylvana	127	5	7	6	6	6
Tulla	121	5	7	7	4	5
Vales Everest	95	4	8	7	4	6
Vales Sovereign	117	4	8	7	5	5
Valor	119	5	7	7	5	3
Verdi	61	5	5	7	4	5
Victoria	101	4	6	7	5	8
Vivaldi	104	7	5	7	5	8
Wilja	99	6	5	7	5	8
Zorba	88	4	5	7	5	6

MAINCROP AND SECOND EARLY POTATO VARIETIES - DISEASES AND PESTS

Resistance (9 = resistant) to:

Key: Maincrop varieties Second early varieties	Foliage blight	Tuber blight	Common scab	Blackleg	Gangrene	Dry rot	Skin spot	Virus Y	Leaf roll	Cyst eelworm*	
										G. rostoc- hiensis	G. pallida
Agria	4	5	5	2	4	-	-	7	7	R	S
Aldo	6	5	6	5	2	-	-	7	4	8	Pa1: 5; Pa2+3: 3
Ambo	6	5	5	4	4	-	-	2	4	S	S
Anna	3	4	7	4	4	-	-	4	4	R	S
Anya	3	3	6	6	5	-	-	2	6	S	S
Argos	4	6	5	5	3	-	-	2	3	R	PR
Arran Victory	3	3	-	-	-	8	-	6	6	3	3
Asterix	3	5	6	8	6	F.c. 8, F.s. 4	4	3	3	R	S
Atlantic	4	3	6	5	4	7	6	3	7	R	S
Avalanche	4	4	5	2	4	7	3	4	5	S	S
Axona	7	5	4	6	4	-	-	8	8	2	Pa1: -; Pa2+3: 2
Barna	4	4	5	4	4	-	-	5	4	S	-

* S = susceptible R = resistant PR = partially resistant

() Based on limited data.

F.c. *Fusarium coeruleum*

F.s. *Fusarium sambucinum*

Key: Maincrop varieties Second early varieties	Foliage blight	Tuber blight	Common scab	Blackleg	Gangrene	Dry rot	Skin spot	Virus Y	Leaf roll	Cyst eelworm*	
										G. rostoc- hiensis	G. pallida
Blue Belle	5	1	4	3	-	F.c. 4, Fs. 1	-	9	2	3	Pa1:-; Pa2+3: 2
Blue Danube	4	4	3	7	-	F.c. 9, Fs. 0.1	-	8	9	9	Pa1:-; Pa 2,3: 3
Bonnie	4	3	4	7	6	-	-	1	4	9	Pa1:-; Pa2+3: 2
British Queen	3	3	-	-	-	7	-	5	-	S	S
Cabaret	3	4	4	7	7	-	-	3	3	R	S
Caesar	5	3	5	4	6	-	-	8	7	R	S
Cara	5	7	6	4	5	F.c. 6, Fs. 2	4	7	5	R	-
Carlingford	4	2	8	4	-	-	-	8	5	S	-
Celine	2	4	6	4	4	-	-	8	7	R	S
Challenger	4	4	7	5	-	F.c. 6, Fs. 7	8	-	-	2	2
Charlemont	4	3	5	3	-	F.c. 5, Fs. 5	-	2	5	7	Pa1:-; Pa2+3: 2
Cosmos	4	7	7	5	7	-	-	4	3	S	-
Courage	7	-	5	-	-	-	-	-	-	-	-
Cultra	5	6	6	6	4	5	4	3	1	R	S
Daisy	4	5	5	8	-	F.c. 6, Fs. 1	3	-	-	R	S

MAINCROP AND SECOND EARLY POTATO VARIETIES - DISEASES AND PESTS

Key: Maincrop varieties <i>Second early</i> <i>varieties</i>	Foliage blight	Tuber blight	Common scab	Blackleg	Gangrene	Dry rot	Skin spot	Virus Y	Leaf roll	Cyst eelworm*	
										G. rostoc- hiensis	G.pallida
Desiree	4	5	4	4	4	-	-	7	4	S	S
Divaa	3	2	5	6	-	Fc. 7, Fs. 0.1	-	3	1	2	Pa1: 5; Pa2+3: 5
Dunbar Standard	4	4	4	-	4	-	-	6	5	S	-
Estima	6	6	5	2	4	Fc. 3, Fs. 6	6	2	4	S	S
Exquisa	2	1	7	4	3	-	-	8	7	R	S
Fambo	5	3	5	-	5	4	5	7	4	S	S
Fianna	5	3	6	6	6	6	5	7	6	R	S
Fontane	5	6	5	6	-	6	-	7	6	R	S
Galactica	3	7	8	5	5	2	-	-	-	R (Race 1)	-
Harmony	5	3	6	3	7	-	-	3	6	PR	PR
Hermes	3	4	6	6	5	-	-	7	7	S	S
Horizon	4	3	3	7	5	-	-	4	5	9	Pa1: 4; Pa2+3: 3
Hunter	5	3	5	2	7	-	-	6	5	8	Pa1: 3; Pa2+3: 3
Isle Of Jura	5	5	5	7	6	-	-	9	4	R	S
Kerr's Pink	4	4	3	-	5	5	2	3	3	S	S
Kestrel	5	3	4	8	6	6	4	8	4	PR	PR
King Edward	3	4	7	4	5	-	3	2	5	S	S
Lady Balfour	4	7	4	7	3	-	-	9	3	PR	PR

Key: Maincrop varieties Second early varieties	Foliage blight	Tuber blight	Common scab	Blackleg	Gangrene	Dry rot	Skin spot	Virus Y	Leaf roll	Cyst eelworm*	
										<i>G. rostochiensis</i>	<i>G. pallida</i>
Lady Claire	2	3	5	4	-	-	-	7	7	R	S
Lady Jo	4	4	5	2	-	F.c. 8, F.s. 4	7	7	7	R	S
Lady Olympia	-	-	-	-	-	-	-	-	-	-	-
Lady Rosetta	4	4	6	3	7	-	-	5	6	R	S
Lanorma	4	2	7	4	7	F.c. 9, F.s. 1	8	-	-	9	5
Marfona	4	6	6	5	5	F.c. 4, F.s. 7	5	4	4	S	S
Maris Peer	4	4	5	4	6	-	-	3	4	S	S
Maris Piper	4	5	1	5	6	F.c. 3, F.s. 2	4	2	4	R	S
Maritiema	2	3	6	7	4	-	-	1	2	R	-
Markies	5	6	3	-	4	-	-	4	4	R	S
Maxine	4	4	4	8	4	-	-	4	4	R	PR
Mayan Gold	4	4	8	5	4	-	-	5	5	1	Pa1: -; Pa2+3: 2
Melody	4	7	7	4	4	F.c. 2, F.s. 7	5	9	3	R	S
Mustang	5	6	5	6	-	F.c. 6, F.s. -	-	7	-	R	S
Nadine	4	5	7	3	7	4	6	7	4	R	PR

MAINCROP AND SECOND EARLY POTATO VARIETIES - DISEASES AND PESTS

Key: Maincrop varieties Second early varieties	Foliage blight	Tuber blight	Common scab	Blackleg	Gangrene	Dry rot	Skin spot	Virus Y	Leaf roll	Cyst eelworm*	
										G. rostoc- hiensis	G. pallida
Navan	5	6	5	6	5	4	3	7	4	R	S
Nectar	5	7	6	4	7	2	-	-	-	S	-
Nieta	4	6	4	-	3	4	3	5	4	S	S
Olympus	4	3	7	6	6	-	-	3	5	R	Pa1: 4; Pa2+3: 4
Orla	4	8	5	6	5	-	-	9	4	S	S
Osprey	6	6	6	9	6	-	-	6	1	PR	PR
Paramount	4	6	5	4	4	-	-	3	4	9	Pa1: 1; Pa2+3: 2
Pentland Crown	4	5	8	7	4	3	2	8	7	S	S
Pentland Dell	4	4	5	4	5	3	3	4	5	S	S
Pentland Squire	6	5	6	4	4	Fc. 3, Fs. 6	2	2	4	S	S
Picasso	5	7	7	6	4	-	-	9	5	R	S
Pomeroy	4	7	2	5	4	-	-	3	1	R	S
Ramos	4	2	5	4	-	Fc. 7, Fs. 8	4	-	-	R	Pa1: PR; Pa2+3: 4
Record	5	6	6	2	6	-	-	2	4	S	S
Red Magic	-	-	-	-	-	-	-	-	-	-	-
Rembrandt	4	7	6	4	7	Fc. 6, Fs. 6	6	8	3	R	3

Key: Maincrop varieties Second early varieties	Foliage blight	Tuber blight	Common scab	Blackleg	Gangrene	Dry rot	Skin spot	Virus Y	Leaf roll	Cyst eelworm*	
										G. rostoc- hiensis	G. pallida
Richhill	5	6	5	7	-	F.c. 6, Fs. 4	-	3	4	R	Pa1: -; Pa2+3: 2
Robinta	4	7	5	6	7	F.c. 5, Fs. 4	7	2	7	R	3
Romano	4	6	6	5	4	6	6	7	3	S	S
Rooster	4	5	5	6	5	-	-	6	6	S	S
Rosegarden	3	1	6	-	8	8	-	-	-	-	-
Rubesse	4	1	6	5	-	F.c. 8, Fs. 8	-	3	7	R	Pa1: -; Pa2+3: 2
Rudolph	4	5	4	4	4	-	-	2	4	2	Pa1: -; Pa2+3: 2
Safari	5	3	4	8	-	F.c. 6, Fs. 6	5	-	-	7	2
Sagitta	-	-	-	-	-	-	-	-	-	-	-
Sante	4	8	6	3	3	6	4	9	5	R	PR
Saphire	4	4	6	9	7	-	-	6	5	S	PR
Sarpo Gwyn	6	5	6	2	-	F.c. 3, Fs. 1	-	6	5	9	Pa1: -; Pa2+3: 2
Sarpo Mira	9	9	4	7	4	-	-	9	5	2	Pa1: -; Pa2+3: 2
Sarpo Una	6	5	5	5	-	F.c. 3, Fs. 4	-	8	5	3	Pa1: -; Pa2+3: 2
Sassy	3	4	2	9	-	-	-	-	-	R	S
Saturna	4	5	8	-	-	F.c. 6, Fs. 6	-	4	6	R	S

MAINCROP AND SECOND EARLY POTATO VARIETIES - DISEASES AND PESTS

Key: Maincrop varieties <i>Second early</i> <i>varieties</i>	Foliage blight	Tuber blight	Common scab	Blackleg	Gangrene	Dry rot	Skin spot	Virus Y	Leaf roll	Cyst eelworm*	
										<i>G. rostoc- hiensis</i>	<i>G. pallida</i>
Saxon	3	4	5	8	8	2	4	4	7	R	S
Shannon	3	5	6	1	2	-	-	1	7	S	S
Shepody	3	2	5	6	4	6	4	2	7	S	S
Slaney	5	3	6	4	4	-	-	6	3	R	S
Stemster	4	3	5	6	5	3	5	6	3	R	S
Sunray	5	7	5	6	-	F.c. 5, Fs. 0.1	-	2	4	9	Pa1:3; Pa2+3:3
Sunrise	4	3	7	2	6	-	-	2	2	-	3
Sunset	5	7	4	6	5	-	-	9	4	8	Pa1:-; Pa2+3:2
Sylvana	4	3	7	7	-	F.c. 8, Fs. 8	3	-	-	9	2
Tulla	6	7	7	5	5	5	-	5	3	R	-
Vales Everest	5	4	4	4	5	-	-	7	5	5	Pa1:8; Pa2+3:6
Vales Sovereign	6	3	7	8	5	-	-	4	2	-	2
Valor	5	8	5	5	5	-	-	3	5	R	PR
Verdi	-	-	-	-	-	-	-	-	-	-	-
Victoria	4	3	5	6	4	-	-	2	5	R	S
Vivaldi	2	4	5	2	4	-	-	6	8	S	-
Wilja	5	5	6	5	5	-	-	3	4	S	S
Zorba	-	-	-	-	-	-	-	-	-	-	-

MAINCROP AND SECOND EARLY POTATO VARIETIES - EATING AND CRISPING QUALITY

Key: Maincrop varieties <i>Second early</i> <i>varieties</i>	Dry matter (%)	Disintegration (9 = severe)	Mealiness (9 = mealy)	Cooked flesh colour*	Freedom from after cooking blackening (9 = none)	Freedom from enzymic browning (9 = none)	Crisp colour after harvest (9 = light)	Crisp colour after storage (9 = light)
Agria	20.4	5	7	LY	8	9	6	7
Aldo	21.3	7	7	C	9	8	4	5
Ambo	19.3	4	5	C	8	8	4	5
Anna	18.1	3	6	C	8	8	1	-
Anya	21.5	4	7	W-C	8	7	-	-
Argos	15.6	2	4	C	9	9	2	4
Arran Victory	22.7	8	9	W-C	7	7	5	4
Asterix	21.0	3	5	LY	8	8	5	4
Atlantic	23.0	7	9	W-C	8	8	6	5
Avalanche	18.3	4	5	C	8	9	1	-
Axona	23.4	5	4	LY	8	8	7	6
Barna	18.2	3	5	C	8	8	1	3
Blue Belle	18.7	4	4	LY	8	9	-	-
Blue Danube	23.5	8	8	W-C	8	9	4	4
Bonnie	17.7	3	5	LY	7	8	-	-
British Queen	21.8	8	8	C	7	-	6	4
Cabaret	20.9	6	6	W-C	8	8	6	5
Caesar	19.9	5	7	LY	8	8	6	3
Cara	18.6	5	5	C	8	8	4	4
Carlingford	18.0	2	3	W-C	9	8	1	-

* W = White; C = Cream; LY = Light Yellow; Y = Yellow

MAINCROP AND SECOND EARLY POTATO VARIETIES - EATING AND CRISPING QUALITY

Key: Maincrop varieties Second early varieties	Dry matter (%)	Disintegration (9 = severe)	Mealiness (9 = mealy)	Cooked flesh colour*	Freedom from after cooking blackening (9 = none)	Freedom from enzymic browning (9 = none)	Crisp colour after harvest (9 = light)	Crisp colour after storage (9 = light)
Celine	19.1	3	4	LY	8	8	5	4
Challenger	20.3	5	5	LY	8	9	7	6
Charlemont	18.7	5	4	LY	8	8	-	-
Cosmos	18.9	4	5	LY	7	8	3	3
Courage	22.1	6	6	LY	8	8	7	6
Cultra	19.6	4	6	W-C	8	8	3	4
Daisy	22.9	5	6	Y	7	9	6	6
Desiree	20.4	4	5	LY	8	7	4	4
Divaa	21.3	7	6	W-C	8	9	6	5
Dunbar Standard	21.2	6	7	C	8	9	5	4
Estima	19.0	5	5	LY	8	8	2	3
Exquisa	20.4	5	5	Y	6	8	4	3
Fambo	20.6	5	7	C	8	8	6	6
Fianna	22.2	4	6	C	8	9	7	6
Fontane	21.2	6	7	Y	8	9	7	7
Galactica	17.6	4	5	Y	8	8	-	-
Harmony	16.9	2	3	W-C	9	9	3	2
Hermes	22.2	6	7	LY	7	8	6	7
Horizon	21.6	3	4	LY	7	9	7	6
Hunter	20.4	4	5	LY	8	9	3	4

* W = White; C = Cream; LY = Light Yellow; Y = Yellow, DY = Deep Yellow

Key: Maincrop varieties Second early varieties	Dry matter (%)	Disintegration (9 = severe)	Mealiness (9 = mealy)	Cooked flesh colour*	Freedom from after cooking blackening (9 = none)	Freedom from enzymic browning (9 = none)	Crisp colour after harvest (9 = light)	Crisp colour after storage (9 = light)
Isle Of Jura	19.6	4	6	C	8	8	2	3
Kerr's Pink	21.5	8	8	W-C	8	9	7	6
Kestrel	20.1	5	5	C	8	9	3	3
King Edward	21.5	7	6	C	8	8	5	5
Lady Balfour	16.8	3	2	C	8	8	-	-
Lady Claire	21.9	5	7	LY	8	8	9	9
Lady Jo	23.1	6	5	LY	8	9	8	8
Lady Olympia	21.5	6	6	LY	8	7	6	7
Lady Rosetta	23.7	5	7	LY	8	9	8	7
Lanorma	17.9	4	4	C	8	8	-	-
Marfona	17.4	4	5	Y	8	8	4	5
Maris Peer	19.7	3	4	C	9	8	3	3
Maris Piper	21.6	7	6	C	8	9	6	4
Maritiema	20.3	5	7	C	8	9	5	4
Markies	21.4	6	7	LY	8	9	7	8
Maxine	18.4	2	4	W-C	8	8	2	2
Mayan Gold	22.3	9	7	DY	7	9	7	7
Melody	18.7	4	4	LY	9	9	4	2
Mustang	21.8	7	7	Y	8	9	7	7
Nadine	16.6	3	4	W-C	9	9	1	3
Navan	21.8	5	7	W-C	9	9	5	4
Nectar	18.2	4	5	Y	8	9	-	-

MAINCROP AND SECOND EARLY POTATO VARIETIES - EATING AND CRISPING QUALITY

Key: Maincrop varieties Second early varieties	Dry matter (%)	Disintegration (9 = severe)	Mealiness (9 = mealy)	Cooked flesh colour*	Freedom from after cooking blackening (9 = none)	Freedom from enzymic browning (9 = none)	Crisp colour after harvest (9 = light)	Crisp colour after storage (9 = light)
Nieta	20.1	5	6	LY	8	-	5	5
Olympus	24.2	7	8	C	7	9	8	8
Orla	18.7	4	5	Y	8	9	2	1
Osprey	20.2	3	4	W-C	8	8	3	4
Paramount	18.7	4	5	C	8	8	2	2
Pentland Crown	21.0	5	6	W-C	7	7	5	5
Pentland Dell	21.9	6	7	C	7	8	3	3
Pentland Squire	21.3	6	6	C	8	9	4	4
Picasso	17.9	2	3	LY	8	8	2	3
Pomeroy	20.9	6	7	C	8	8	4	4
Ramos	20.0	5	5	LY	8	9	8	8
Record	22.5	7	8	Y	8	8	5	5
Red Magic	18.5	4	4	W-C	8	9	-	-
Rembrandt	21.2	6	7	LY	9	9	7	7
Richhill	17.3	4	4	LY	8	8	-	-
Robinta	21.0	5	5	C	9	9	3	2
Romano	19.6	5	6	W-C	8	-	4	4
Rooster	21.6	7	8	Y	8	9	5	6
Rosegarden	20.8	6	7	C	8	8	5	5
Rubesse	20.3	6	6	Y	8	8	5	5

* W = White; C = Cream; LY = Light Yellow; Y = Yellow

Key: Maincrop varieties Second early varieties	Dry matter (%)	Disintegration (9 = severe)	Mealiness (9 = mealy)	Cooked flesh colour*	Freedom from after cooking blackening (9 = none)	Freedom from enzymic browning (9 = none)	Crisp colour after harvest (9 = light)	Crisp colour after storage (9 = light)
Rudolph	18.4	4	5	W-C	9	9	4	3
Safari	18.4	3	3	Y	8	8	-	-
Sagitta	21.3	7	6	LY	8	9	5	6
Sante	20.1	4	4	LY	8	8	5	4
Saphire	18.9	4	5	LY	8	9	-	-
Sarpo Gwyn	20.6	4	7	LY	8	8	3	4
Sarpo Mira	21.3	4	5	C	8	8	6	6
Sarpo Una	19.2	4	6	W-C	5	7	-	-
Sassy	23.8	6	6	LY	8	8	8	8
Saturna	23.7	6	7	LY	8	8	7	8
Saxon	20.2	5	6	C	8	8	4	3
Shannon	17.9	3	3	C	8	8	3	3
Shepody	20.3	6	7	W	8	8	4	4
Slaney	19.6	4	6	C	8	9	2	2
Stemster	18.2	4	4	Y	8	9	4	-
Sunray	18.9	5	4	Y	8	8	3	3
Sunrise	20.8	5	6	LY	8	9	-	-
Sunset	19.4	3	5	Y	9	8	2	2
Sylvana	19.0	4	7	Y	8	9	-	-
Tulla	20.1	6	7	W-C	8	8	3	3
Valles Everest	20.0	4	5	C	8	8	5	5

MAINCROP AND SECOND EARLY POTATO VARIETIES - EATING AND CRISPING QUALITY

Key: Maincrop varieties <i>Second early</i> <i>varieties</i>	Dry matter (%)	Disintegration (9 = severe)	Mealiness (9 = mealy)	Cooked flesh colour*	Freedom from after cooking blackening (9 = none)	Freedom from enzymic browning (9 = none)	Crisp colour after harvest (9 = light)	Crisp colour after storage (9 = light)
Vales Sovereign	19.0	4	5	LY	8	9	3	2
Valor	17.7	4	5	C	8	9	4	3
Verdi	25.0	6	7	C	7	9	9	9
Victoria	19.3	4	5	LY	9	9	7	7
Vivaldi	17.5	3	3	LY	8	8	4	3
Wilja	19.5	4	4	LY	8	8	3	3
Zorba	23.3	8	9	C	8	9	5	6

* W = White; C = Cream; LY = Light Yellow; Y = Yellow

MAINCROP AND SECOND EARLY POTATO VARIETIES - CHIPPING QUALITY

Key: Maincrop varieties Second early varieties	After harvest				After storage			
	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)
Agria	3.2	0.45	9	-	-	-	-	-
Aldo	3.7	0.59	9	-	3.7	0.56	8	-
Ambo	3.9	0.56	7	-	4.1	0.50	8	-
Anna	-	-	-	-	-	-	-	-
Anya	-	-	-	-	-	-	-	-
Argos	-	-	-	-	-	-	-	-
Arran Victory	-	-	-	-	-	-	-	-
Asterix	3.9	0.60	8	-	4.1	0.69	8	-
Atlantic	3.3	0.46	9	-	-	-	-	-
Avalanche	-	-	-	-	-	-	-	-
Axona	3.1	0.40	9	65.9	3.3	0.60	8	69.2
Barna	4.6	0.54	7	-	5.3	0.56	6	-
Blue Belle	-	-	-	-	-	-	-	-
Blue Danube	3.7	0.44	8	76.8	4.2	0.18	8	77.3
Bonnie	-	-	-	-	-	-	-	-
British Queen	-	-	-	-	-	-	-	-
Cabaret	3.4	0.37	9	-	3.8	0.75	8	-
Caesar	3.4	0.38	9	-	4.6	0.63	6	-
Cara	4.7	0.59	8	-	4.9	0.57	5	-
Carlingford	-	-	-	-	-	-	-	-

MAINCROP AND SECOND EARLY POTATO VARIETIES - CHIPPING QUALITY

Key: Maincrop varieties Second early varieties	After harvest				After storage			
	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)
Celine	3.7	0.56	8	-	4.7	0.77	6	-
Challenger	3.0	0.33	8	81.5	3.7	0.51	8	81.6
Charlemont	-	-	-	-	-	-	-	-
Cosmos	5.1	0.48	5	-	5.5	0.51	5	-
Courage	3.2	0.35	9	-	3.6	0.52	8	-
Cultra	4.0	0.64	8	-	3.9	0.68	7	-
Daisy	3.3	0.40	8	84.3	3.4	0.59	8	80.8
Desiree	4.1	0.56	8	-	4.3	0.60	7	-
Divaa	2.9	0.35	8	81.1	4.0	0.64	8	79.7
Dunbar Standard	3.9	0.58	8	-	4.1	0.52	7	-
Estima	4.8	0.61	7	-	5.4	0.42	6	-
Exquisa	4.2	0.63	6	-	4.9	0.51	6	-
Fambo	3.5	0.51	9	-	3.6	0.61	8	-
Fianna	3.0	0.45	8	85.1	3.4	0.60	7	82.8
Fontane	3.4	0.35	8	84.1	3.2	0.48	8	82.3
Galactica	-	-	-	-	-	-	-	-
Harmony	4.7	0.65	8	-	5.4	0.71	7	-
Hermes	3.2	0.40	8	-	3.5	0.62	8	-
Horizon	3.4	0.36	8	83.2	2.8	0.41	8	78.0
Hunter	4.8	0.74	7	-	4.8	0.69	7	-
Isle Of Jura	4.6	0.70	7	-	5.0	0.54	5	-

Key: Maincrop varieties Second early varieties	After harvest					After storage			
	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)		Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)
Kerr's Pink	-	-	-	-		-	-	-	-
Kestrel	-	-	-	-		-	-	-	-
King Edward	3.8	0.60	8	-		4.0	0.76	8	-
Lady Balfour	-	-	-	-		-	-	-	-
Lady Claire	2.5	0.16	8	79.1		2.3	0.09	8	77.6
Lady Jo	2.7	0.06	9	80.6		2.9	0.34	8	79.8
Lady Olympia	3.3	0.42	8	72.7		3.2	0.64	8	73.0
Lady Rosetta	2.7	0.23	9	77.0		2.8	0.41	8	76.3
Lanorma	-	-	-	-		-	-	-	-
Marfona	-	-	-	-		-	-	-	-
Maris Peer	3.9	0.52	7	-		4.7	0.59	5	-
Maris Piper	3.7	0.57	8	80.5		4.1	0.64	8	80.2
Maritiema	3.4	0.48	9	-		4.1	0.73	8	-
Markies	3.0	0.37	9	81.7		3.0	0.33	9	80.7
Maxine	5.0	0.53	7	-		5.9	0.65	6	-
Mayan Gold	3.3	0.27	9	75.7		3.1	0.45	8	76.6
Melody	4.7	0.70	7	-		5.7	0.53	5	-
Mustang	3.2	0.63	8	79.5		3.1	0.81	8	80.4
Nadine	-	-	-	-		-	-	-	-
Navan	3.8	0.57	9	82.0		4.1	0.67	8	82.4
Nectar	-	-	-	-		-	-	-	-
Nieta	-	-	-	-		-	-	-	-

MAINCROP AND SECOND EARLY POTATO VARIETIES - CHIPPING QUALITY

Key: Maincrop varieties <i>Second early</i> <i>varieties</i>	After harvest				After storage			
	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)
Olympus	2.7	0.16	8	81.8	2.6	0.30	8	83.9
<i>Orla</i>	4.9	0.48	8	-	5.3	0.53	8	-
<i>Osprey</i>	4.7	0.57	7	-	5.2	0.65	6	-
Paramount	4.6	0.60	6	-	5.3	0.59	6	-
Pentland Crown	-	-	-	-	-	-	-	-
Pentland Dell	4.1	0.56	7	74.0	5.0	0.64	6	70.2
Pentland Squire	-	-	-	-	-	-	-	-
Picasso	-	-	-	-	-	-	-	-
Pomeroy	3.9	0.49	8	-	4.2	0.48	8	-
Ramos	3.0	0.22	9	68.6	2.7	0.35	8	73.6
Record	3.7	0.52	8	-	3.9	0.55	8	-
Red Magic	-	-	-	-	-	-	-	-
Rembrandt	3.0	0.25	9	-	3.2	0.30	8	-
Richhill	-	-	-	-	-	-	-	-
Robinta	4.7	0.82	5	-	5.6	0.69	6	-
Romano	-	-	-	-	-	-	-	-
Rooster	3.4	0.60	8	-	3.4	0.60	8	-
Rosegarden	3.8	0.47	8	78.7	3.7	0.60	8	79.9
Rubesse	4.0	0.46	8	72.2	4.1	0.58	8	74.9
Rudolph	4.4	0.62	8	-	4.9	0.64	7	-

Key: Maincrop varieties Second early varieties	After harvest				After storage			
	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)
Safari	-	-	-	-	-	-	-	-
Sagitta	3.7	0.58	9	84.4	4.1	0.78	8	85.0
Sante	2.9	0.53	8	-	4.3	0.71	5	-
Saphire	-	-	-	-	-	-	-	-
Sarpo Gwyn	4.6	0.45	8	78.6	4.6	0.63	8	76.9
Sarpo Mira	3.9	0.54	8	66.9	4.7	0.62	8	73.4
Sarpo Una	-	-	-	-	-	-	-	-
Sassy	2.9	0.24	9	73.7	2.5	0.25	9	73.8
Saturna	3.0	0.38	9	-	3.0	0.32	9	-
Saxon	4.0	0.46	8	-	-	-	-	-
Shannon	4.4	0.55	7	-	5.0	0.65	5	-
Shepody	-	-	-	-	-	-	-	-
Slaney	4.3	0.59	7	-	5.1	0.66	5	-
Stemster	-	-	-	-	-	-	-	-
Sunray	4.8	0.40	9	83.1	5.7	0.30	7	81.8
Sunrise	-	-	-	-	-	-	-	-
Sunset	4.5	0.66	7	-	4.8	0.54	7	-
Sylvana	-	-	-	-	-	-	-	-
Tulla	4.3	0.61	7	-	5.2	0.64	6	-
Vales Everest	3.7	0.44	8	83.1	4.1	0.54	8	80.5
Vales Sovereign	4.5	0.56	7	-	4.8	0.64	8	-

MAINCROP AND SECOND EARLY POTATO VARIETIES - CHIPPING QUALITY

Key: Maincrop varieties Second early varieties	After harvest				After storage			
	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)	Fry colour (1-7, 1 = light)	Colour consistency (0->3, 0 = no variation)	Internal discolouration (1-9, 9 = none)	Peeling efficiency (%)
Valor	-	-	-	-	-	-	-	-
Verdi	2.8	0.10	8	79.2	2.0	0.33	8	74.3
Victoria	2.9	0.34	9	-	3.1	0.45	9	-
Vivaldi	4.6	0.73	6	-	4.7	0.76	6	-
Wilja	-	-	-	-	-	-	-	-
Zorba	3.9	0.41	9	72.6	4.1	0.47	8	73.6

MAINCROP AND SECOND EARLY VARIETIES

Details of the characteristics of maincrop and second early varieties are presented in the table together. Marketable yields for the period **1982-2011** are expressed as percentages of those of Desiree.

Agria	<ul style="list-style-type: none"> • Tubers oval with yellow skin.
<i>Maincrop</i>	<ul style="list-style-type: none"> • Low yielding producing below average numbers of large tubers.
Bohm/Agrico	<ul style="list-style-type: none"> • Many defects. Prone to growth cracking, mechanical damage, blight & soft rots and common scab. Some tendency to suffer damage in controlled tests. • Moderately resistant to virus Y and leaf roll virus but susceptible to blackleg. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Medium dry matter. Quite mealy. Cooked flesh colour light yellow. • Suitable crisp colour after harvest and after storage. • Chipping after harvest - fry colour: light, consistency of fry colour: uniform, internal discolouration: none. • Chipping after storage - no data.
Aldo	<ul style="list-style-type: none"> • Tubers round oval with white skin and shallow-medium eyes.
<i>Maincrop</i>	<ul style="list-style-type: none"> • High yielding, producing above average numbers of tubers and few defects.
A. Dobbin	<ul style="list-style-type: none"> • Early foliage maturity. • Moderately resistant to foliage blight, common scab and virus Y but susceptible to gangrene. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Medium dry matter, quite mealy with a tendency to disintegrate. Cooked flesh colour cream. • Chipping after harvest - fry colour: golden, consistency of fry colour: variable, internal discolouration: very slight. • Chipping after storage - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight.

- Ambo**
Maincrop
 Teagasc/
 Irish Potato
 Marketing
- Tubers oval with parti-coloured red skin and medium eyes.
 - High yielding with below average numbers of large tubers. Some tendency to suffer damage.
 - Late foliage maturity.
 - Moderately resistant to foliage blight. Susceptible to virus Y.
 - Medium dry matter, cooked flesh colour cream.
 - Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
 - Chipping after storage - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**.
- Anna**
Maincrop
 Teagasc/
 Irish Potato
 Marketing
- Tubers oval to round with white skin and faintly blushed medium-shallow eyes.
 - High yielding.
 - Moderately resistant to common scab. Susceptible to foliage blight. Resistant to potato cyst eelworm, *G. rostochiensis*.
 - Low dry matter, cooked flesh colour cream.
- Anya**
Maincrop
 SCRI/
 Albert
 Bartlett &
 Sons
- Tubers very long with pink skin and deep eyes.
 - A salad variety with very low yields, producing below average numbers of small tubers. Prone to misshapen tubers and to blight & soft rot.
 - Very early foliage maturity.
 - Moderately resistant to common scab, blackleg and leaf roll virus. Susceptible to foliage and tuber blight and virus Y.
 - Medium dry matter, quite mealy, cooked flesh colour white-cream. Susceptible to enzymic browning.
- Argos**
Maincrop
 Caithness
 Potato
 Breeders
- Tubers oval to round with white skin and medium-shallow eyes.
 - Very high yielding, producing below average numbers of very large tubers. Prone to mechanical damage and growth cracking. Some tendency to suffer damage as assessed in controlled tests.
 - Late foliage maturity.
 - Moderately resistant to tuber blight. Susceptible to gangrene, virus Y and leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis* and partially resistant to *G. pallida*.
 - Low dry matter, cooked flesh colour cream.

Arran

Victory

Maincrop

D

MacKelvie,

Arran/

Generally

available

- Tubers round to short oval with blue skin and medium-deep eyes.
- Moderate yielding, producing above average numbers of tubers. Few defects. Prone to misshapen tubers.
- Late foliage maturity.
- High dry matter. Disintegrates and is mealy. Cooked flesh colour white-cream. Susceptible to after cooking blackening and enzymic browning.

Asterix

Maincrop

HZPC

- Tubers long oval with red skin and medium eyes.
- Low yielding. Prone to growth cracking and misshapen tubers and to common scab infected tubers in trials in Northern Ireland.
- Resistant to blackleg and dry rot (*F.c.*). Moderately resistant to common scab (in UK pathology tests) and gangrene. Susceptible to foliage blight, virus Y and leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour light-yellow.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Atlantic

Maincrop

USDA/

Generally

available

- Tubers round-oval with white skin and medium-shallow eyes.
- Low yielding. Prone to mechanical damage. Susceptible to damage as assessed in controlled tests.
- Moderately resistant to common scab, dry rot, skin spot and leaf roll virus. Susceptible to wart, tuber blight and virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
- High dry matter, cooked flesh colour white-cream. Mealy with a tendency to disintegrate. Susceptible to after-cooking blackening.
- Suitable crisp colour after harvest.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **very slight**.
- Chipping after storage - no data.

Avalanche

Maincrop

J E

Cockram/

Agricrop

- Tubers round oval with white skin and shallow-medium eyes.
- Low yielding. Prone to growth cracking and mechanical damage at harvest. Some tendency to suffer damage as assessed in controlled tests.
- Moderately resistant to dry rot. Susceptible to blackleg and skin spot.
- Medium dry matter, cooked flesh colour cream.

Axona

Maincrop
Sarpo KFT/
Sarvari
Research
Trust

- Tubers oval to long with red skin and medium eyes.
- Very low yielding, producing small tubers and few defects. Prone to misshapen tubers. Some tendency to suffer damage in controlled tests.
- Very late foliage maturity.
- Resistant to virus Y and leaf roll virus and moderately resistant to foliage blight and blackleg.
- High dry matter, cooked flesh colour light yellow.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **very slight**, peeling efficiency: **quite good**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **quite good**.

Barna

Maincrop
Teagasc/
Irish Potato
Marketing

- Tubers oval to long-oval with red skin and shallow-medium eyes.
- High yielding. Prone to common scab. Some tendency to suffer damage.
- Very late foliage maturity.
- Moderately susceptible to all diseases and viruses.
- Low dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Blue Belle

Maincrop
Germicopa
UK
Branston/
Germicopa
UK

- Tubers oval with parti-coloured blue skin and shallow-medium eyes.
- Moderate yielding producing below average numbers of tubers. Prone to mechanical damage. Some tendency to suffer damage in controlled tests.
- Resistant to virus Y but susceptible to blackleg and leaf roll virus and very susceptible to tuber blight and dry rot (*F.s.*).
- Medium dry matter, cooked flesh colour light yellow.

Blue Danube <i>Maincrop</i> Istvan Sarvari, Hungary Sarvari Research Trust Currently in trial	<ul style="list-style-type: none"> • Tubers oval with blue skin and medium eyes. • Very low yields with small tubers and very few defects. Prone to mechanical damage. • Late maturity. • Resistant to dry rot (<i>F.c.</i>) virus Y and leaf roll and moderately resistant to blackleg but susceptible to common scab and dry rot (<i>F.s.</i>). Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • High dry matter, cooked flesh colour white-cream with a tendency to disintegrate. • Chipping after harvest - fry colour: golden, consistency of fry colour: uniform, internal discolouration: very slight, peeling efficiency: good. • Chipping after storage - fry colour: golden, consistency of fry colour: highly uniform, internal discolouration: slight, peeling efficiency: good.
Bonnie <i>Second early</i> Cygnet Potato Breeders	<ul style="list-style-type: none"> • Tubers round-oval with parti-coloured red skin and shallow eyes. • Very high yields with below average numbers of very large tubers. Prone to growth cracking and to blight & soft rot. Some tendency to suffer damage. • Late foliage maturity. • Moderately resistant to blackleg and gangrene but susceptible to tuber blight and very susceptible to virus Y. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Low dry matter, cooked flesh colour light yellow. Susceptible to after-cooking blackening.
British Queen <i>Second early</i> A. Findlay/ Generally available	<ul style="list-style-type: none"> • Tubers short oval with white skin and shallow-medium eyes. • Low yielding with small tubers. Prone to blight & soft rot. • Moderately resistant to dry rot. Susceptible to foliage and tuber blight. • High dry matter, mealy, with a tendency to disintegrate, cooked flesh colour cream. Susceptible to after-cooking blackening.

Cabaret

Maincrop
Cygnet
Potato
Breeders

- Tubers round oval with white skin and shallow-medium eyes.
- Very low yielding. Prone to slug and wireworm damage. Some tendency to suffer damage.
- Moderately resistant to blackleg and gangrene. Susceptible to foliage blight, virus Y and leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour white-cream.
- Suitable crisp colour after harvest.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **none**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Caesar

Maincrop
HZPC

- Tubers long oval with yellow skin and shallow eyes.
- High yielding. Prone to misshapen tubers.
- Resistant to virus Y and moderately resistant to gangrene and leaf roll virus. Susceptible to tuber blight. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, quite mealy, cooked flesh colour light yellow.
- Suitable crisp colour after harvest.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **very slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Cara

Maincrop
Teagasc/
Irish Potato
Marketing

- Tubers round to oval with parti-coloured pink skin mainly around the eyes which are medium-shallow.
- High yielding.
- Very late foliage maturity.
- Moderately resistant to tuber blight, common scab, dry rot (*F.c.*) and virus Y. Susceptible to dry rot (*F.s.*). Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Carlingford • Tubers round to oval with white skin and shallow-medium eyes.
Second • High yielding, producing many tubers. Some tendency to suffer damage.
early • Resistant to common scab and virus Y but susceptible to tuber blight.
 NIHPBS/ • Low dry matter, cooked flesh colour white-cream.
 Cygnet
 Potato
 Breeders

Celine • Tubers long oval with red skin and shallow eyes.
Second • Low yielding, producing above average numbers of small tubers and few defects. Some tendency to suffer damage.
early • Very early foliage maturity.
 Caithness • Resistant to virus Y and moderately resistant to common scab
 Potato and leaf roll virus. Susceptible to foliage blight. Resistant to
 Breeders potato cyst eelworm, *G. rostochiensis*.
 • Medium dry matter, cooked flesh colour light yellow.
 • Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
 • Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Challenger • Tubers oval with yellow skin.
Maincrop • Low yielding with few defects.
 HZPC, • Resistant to skin spot and moderately resistant to common
 Netherlands scab and dry rot (*F.c.* and *F.s.*)
 HZPC, UK • Medium dry matter, cooked flesh colour light yellow.
 • May have suitable crisp colour after harvest.
 Currently in • Chipping after harvest - fry colour: **light**, consistency of
 trial fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **very good**.
 • Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **very good**.

Charlemont • Tubers long-oval with white skin and shallow eyes.
Maincrop • High yielding. Prone to misshapen and mechanically damaged
 AFBI-DARD/ tubers. Some tendency to suffer damage in controlled tests.
 PPNI • Susceptible to tuber blight and virus Y. Resistant to potato cyst
 eelworm, *G. rostochiensis*.
 • Medium dry matter, cooked flesh colour light yellow.
 Susceptible to enzymic browning.

- Cosmos**
Maincrop
Konst/Agrico
- Tubers oval with light yellow skin and shallow eyes.
 - Very high yielding producing below average numbers of very large tubers. Prone to mechanical damage and growth cracking.
 - Moderately resistant to tuber blight, common scab and gangrene. Susceptible to leaf roll virus.
 - Medium dry matter, cooked flesh colour light yellow. Susceptible to after-cooking blackening.
 - Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **uniform**, internal discolouration: **unacceptable**.
 - Chipping after harvest - fry colour: **dark**, consistency of fry colour: **uniform**, internal discolouration: **severe**.
- Courage**
Second
early
Higgins
- Tubers round with red skin and deep eyes.
 - Moderate yielding, producing above average numbers of tubers and very few defects.
 - Moderately resistant to foliage blight. Information on resistance to other diseases, viruses and pests not available.
 - High dry matter, cooked flesh colour light yellow.
 - Suitable crisp colour after harvest and after storage.
 - Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **very slight**.
 - Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Cultra**
Maincrop
Teagasc/
Cullen &
Allen
- Tubers oval with white skin and red colour at the rose end and medium-shallow eyes.
 - Very high yielding with few defects. Prone to internal rust.
 - Late foliage maturity.
 - Moderately resistant to tuber blight, common scab and blackleg. Susceptible to virus Y and leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis*.
 - Medium dry matter, cooked flesh colour white-cream.
 - Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
 - Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Daisy <i>Maincrop</i> Germicopa UK/ Branston / Germicopa UK	<ul style="list-style-type: none"> • Tubers oval with white skin and shallow-medium eyes. • High yielding with few defects. • Resistant to blackleg and moderately resistant to dry rot (<i>Fc.</i>) but susceptible to skin spot. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • High dry matter, cooked flesh colour yellow. Susceptible to after-cooking blackening. • Suitable crisp colour after harvest and after storage. • Chipping after harvest - fry colour: light, consistency of fry colour: uniform, internal discolouration: slight, peeling efficiency: very good. • Chipping after storage - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight, peeling efficiency: very good.
Desiree <i>Maincrop</i> de ZPC/ Generally available	<ul style="list-style-type: none"> • Tubers oval with red skin and medium eyes. • Moderate yielding. Prone to misshapen and common scab infected tubers. • Moderately resistant to virus Y. • Medium dry matter, cooked flesh colour light yellow. Susceptible to enzymic browning. • Chipping after harvest - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight. • Chipping after storage - fry colour: golden, consistency of fry colour: variable, internal discolouration: severe.
Divaa <i>Second</i> <i>Early</i> Caithness Potato Breeders Ltd Currently in trial	<ul style="list-style-type: none"> • Tubers long oval with white skin and shallow eyes. • Low yielding with few tubers. Prone to growth cracks and to blight and soft rot. Some tendency to suffer damage in controlled tests. • Moderately resistant to blackleg and dry rot (<i>Fc.</i>) but susceptible to foliage and tuber blight, dry rot (<i>Fs.</i>) and virus Y and very susceptible to leaf roll. • Medium dry matter, cooked flesh colour white-cream with a tendency to disintegrate. • May have suitable crisp colour after harvest. • Chipping after harvest - fry colour: light, consistency of fry colour: uniform, internal discolouration: slight, peeling efficiency: very good. • Chipping after storage - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight, peeling efficiency: good.

Dunbar Standard <i>Maincrop</i> C.T. Spence/ Generally available	<ul style="list-style-type: none"> • Tubers oval to long oval with white skin and shallow eyes. • Moderate yielding with below average numbers of tubers, few defects and some tendency to suffer damage. • Late foliage maturity. • Moderately resistant to virus Y. • Medium dry matter, quite mealy, cooked flesh colour cream. • Chipping after harvest - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight. • Chipping after storage - fry colour: golden, consistency of fry colour: uniform, internal discolouration: slight.
Estima <i>Second early</i> Dijkhuis/ Generally available	<ul style="list-style-type: none"> • Tubers oval with white skin and shallow eyes. • High yielding. Prone to greening and powdery scab. Some tendency to suffer damage. • Moderately resistant to foliage and tuber blight and dry rot (<i>F.s.</i>). Susceptible to blackleg, dry rot (<i>F.c.</i>) and virus Y. • Medium dry matter, cooked flesh colour light yellow. • Chipping after harvest - fry colour: dark golden, consistency of fry colour: variable, internal discolouration: severe. • Chipping after storage - fry colour: dark golden, consistency of fry colour: uniform, internal discolouration: severe.
Exquisa <i>Maincrop</i> Stet Branston	<ul style="list-style-type: none"> • Tubers long oval with yellow skin and shallow-medium eyes. • A salad variety producing very low yields with small tubers. Prone to misshapen tubers. Susceptible to damage. • Suitable for production of small set skin ware. • Resistant to virus Y and moderately resistant to common scab and leaf roll virus. Very susceptible to tuber blight and susceptible to foliage blight and gangrene. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Medium dry matter, cooked flesh colour yellow. Susceptible to after-cooking blackening. • Chipping after harvest - fry colour: golden, consistency of fry colour: variable, internal discolouration: severe. • Chipping after storage - fry colour: dark golden, consistency of fry colour: uniform, internal discolouration: severe.

Fambo <i>Second early</i> L Bos, Holland/ Potato Innovations Ltd.	<ul style="list-style-type: none"> • Tubers oval to long oval with white skin and shallow-medium eyes. • Very low yielding, producing few tubers. Prone to misshapen tubers and greening. • Very early foliage maturity. • Moderately resistant to virus Y. Susceptible to tuber blight. • Medium dry matter, quite mealy, cooked flesh colour cream. Susceptible to after-cooking blackening. • Suitable crisp colour after harvest and after storage. • Chipping after harvest - fry colour: golden, consistency of fry colour: uniform, internal discolouration: very slight. • Chipping after storage - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight.
Fianna <i>Maincrop</i> Konst/Agrico	<ul style="list-style-type: none"> • Tubers oval to long-oval with white skin and shallow-medium eyes. • Low yielding with few defects. • Late foliage maturity. • Moderately resistant to common scab, blackleg, gangrene, dry rot, virus Y and leaf roll virus. Susceptible to tuber blight. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • High dry matter, cooked flesh colour cream. • Suitable crisp colour after harvest and after storage. • Chipping after harvest - fry colour: light, consistency of fry colour: uniform, internal discolouration: slight, peeling efficiency: very good. • Chipping after storage - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight, peeling efficiency: very good.
Fontane <i>Maincrop</i> Senova/ Agrico	<ul style="list-style-type: none"> • Tubers oval with light yellow skin. • Low yielding. Prone to growth cracking. • Moderately resistant to tuber blight, dry rot, virus Y and leaf roll virus. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Medium dry matter, quite mealy, cooked flesh colour yellow. Susceptible to after-cooking blackening. • Suitable crisp colour after harvest and after storage. • Chipping after harvest - fry colour: light, consistency of fry colour: uniform, internal discolouration: slight, peeling efficiency: very good. • Chipping after storage - fry colour: light, consistency of fry colour: uniform, internal discolouration: slight, peeling efficiency: very good.

Galactica

Maincrop
Teagasc/
Irish Potato
Marketing

- Tubers oval with parti-coloured red skin and shallow eyes.
- Low yielding. Prone to misshapen and mechanically damaged tubers. Some tendency to suffer damage.
- Late foliage maturity.
- Resistant to common scab and moderately resistant to tuber blight. Susceptible to foliage blight and dry rot. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Low dry matter, cooked flesh colour light yellow.

Harmony

Maincrop
Caithness
Potato
Breeders

- Tubers round with white skin and shallow eyes.
- High yielding. Prone to mechanical damage and growth cracking.
- Moderately resistant to common scab, gangrene and leaf roll virus. Susceptible to tuber blight, blackleg and virus Y. Partially resistant to both *G. rostochiensis* and *G. pallida*.
- Low dry matter, cooked flesh colour white-cream.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Hermes

Maincrop
Saatbau/
Generally
available

- Tubers oval with yellow skin and medium eyes.
- Moderate yielding with few defects.
- Moderately resistant to common scab, blackleg, virus Y and leaf roll virus. Susceptible to foliage blight.
- High dry matter, quite mealy, cooked flesh colour light yellow. Susceptible to after-cooking blackening.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Horizon

Maincrop
Higgins

- Tubers round with white skin and medium deep eyes.
- High yielding, producing many tubers and very few defects.
- Moderately resistant to blackleg but susceptible to tuber blight and common scab. Resistant to potato cyst eelworm, *G. rostochiensis*.
- High dry matter, cooked flesh colour light yellow. Susceptible to after-cooking blackening.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **very good**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.

Hunter

Maincrop
R. Brady/
Brady's
Hunter Ltd

- Tubers round-oval with white skin and shallow-medium eyes.
- Low yielding producing below average numbers of tubers. Prone to growth cracks and mechanical damage. Some tendency to suffer damage as assessed in controlled tests.
- Early foliage maturity.
- Moderately resistant to gangrene and virus Y. Susceptible to tuber blight and blackleg. Partially resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour light yellow.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Isle of Jura

Maincrop
Cygnet
Potato
Breeders

- Tubers oval-long with white skin and shallow eyes.
- Moderate yielding. Some tendency to suffer damage.
- Resistant to virus Y and moderately resistant to blackleg and gangrene. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

- Kerr's Pink**
Maincrop
 J. Henry/
 Generally
 available
- Tubers short oval with pink skin and medium eyes.
 - Low yielding with few defects. Prone to common scab.
 - Late foliage maturity.
 - Susceptible to common scab, skin spot, virus Y and leaf roll virus.
 - High dry matter, mealy with a tendency to disintegrate, cooked flesh colour white-cream.
 - Suitable crisp colour after harvest and after storage.
- Kestrel**
*Second
 early*
 Caithness
 Potato
 Breeders
- Tubers oval to long oval with shallow-medium eyes and skin parti-coloured blue at the rose-end and eyes.
 - High yielding with below average numbers of tubers. Prone to growth cracking, greening and common scab.
 - Resistant to blackleg and virus Y and moderately resistant to gangrene and dry rot. Susceptible to tuber blight. Partially resistant to all pathotypes of potato cyst eelworm, *G. rostochiensis* and *G. pallida*.
 - Medium dry matter, cooked flesh colour cream.
- King
 Edward**
Maincrop
 Unknown/
 Generally
 available
- Tubers long oval with white skin and shallow pink eyes.
 - Low yielding producing above average numbers of tubers and few defects.
 - Moderately resistant to common scab. Susceptible to foliage blight, skin spot and virus Y.
 - Medium dry matter, with a tendency to disintegrate, cooked flesh colour cream.
 - Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
 - Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Lady
 Balfour**
Maincrop
 SCRI/
 Greenvale
- Tubers oval with parti-coloured red skin and medium eyes.
 - Very high yielding. Prone to slug and wireworm and mechanical damage. Some tendency to suffer damage as assessed in controlled tests.
 - Resistant to virus Y and moderately resistant to tuber blight and blackleg. Susceptible to gangrene and leaf roll virus. Partially resistant to all pathotypes of potato cyst eelworm, *G. rostochiensis* and *G. pallida*.
 - Low dry matter, cooked flesh colour cream.

- Lady Claire** • Tubers oval with white skin and shallow-medium eyes.
Maincrop • Very low yielding producing above average numbers of small
 C Meijer tubers. Very few defects.
 B.V., • Early foliage maturity.
 Netherlands/ • Moderately resistant to virus Y and leaf roll virus. Susceptible
 Potato to foliage and tuber blight. Resistant to potato cyst eelworm,
 Innovations *G. rostochiensis*.
 Ltd. • High dry matter. Cooked flesh colour light yellow.
 • Suitable crisp colour after harvest and after storage.
 • Chipping after harvest - fry colour: **light**, consistency of fry
 colour: **highly uniform**, internal discolouration: **slight**, peeling
 efficiency: **good**.
 • Chipping after storage - fry colour: **very light**, consistency
 of fry colour: **highly uniform**, internal discolouration: **slight**,
 peeling efficiency: **good**.
- Lady Jo** • Tubers oval to round with white skin and shallow eyes.
Maincrop • Low yielding producing small tubers. Very few defects. Some
 Meijer/ tendency to suffer damage in controlled tests.
 Potato • Early foliage maturity.
 Innovations • Resistant to dry rot (*F.c.*) and moderately resistant to skin spot,
 Ltd. virus Y and leaf roll virus. Susceptible to blackleg. Resistant to
 potato cyst eelworm, *G. rostochiensis*.
 • High dry matter, cooked flesh colour light yellow.
 • Suitable crisp colour after harvest and after storage.
 • Chipping after harvest - fry colour: **light**, consistency of fry
 colour: **highly uniform**, internal discolouration: **very slight**,
 peeling efficiency: **very good**.
 • Chipping after storage - fry colour: **light**, consistency of
 fry colour: **uniform**, internal discolouration: **slight**, peeling
 efficiency: **good**.

**Lady
Olympia**

Maincrop
Meijer/
Potato
Innovations
Ltd.

- Low yielding producing below average numbers of tubers. Prone to greening and mechanical damage. Some tendency to suffer damage in controlled tests.
- Early foliage maturity.
- No information on resistance to diseases and pests.
- High dry matter, cooked flesh colour light yellow. Susceptible to enzymic browning.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, variation in fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **light**, variation in fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **good**.

**Lady
Rosetta**

Maincrop
Meijer/
Potato
Innovations
Ltd.

- Tubers round with red skin and medium-shallow eyes.
- Low yielding with few defects.
- Moderately resistant to common scab, gangrene and leaf roll virus. Susceptible to blackleg. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Very high dry matter, quite mealy, cooked flesh colour light yellow.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **highly uniform**, internal discolouration: **very slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.

Lanorma

Maincrop
Den Hartigh
BV/ Branston

Currently in
trial

- Tubers short oval with white skin.
- Moderate yielding with few very large tubers. Prone to growth cracking, mechanical damage and to blight and soft rot. Some tendency to suffer damage in controlled tests.
- Resistant to dry rot (*F.c.*) and skin spot and moderately resistant to common scab and gangrene but susceptible to tuber blight and very susceptible to dry rot (*F.s.*). Resistant to potato cyst eelworm, *G. rostochiensis* and partially resistant to *G. pallida*.
- Low dry matter, cooked flesh colour cream.

Marfona
Second early
 Konst/
 Generally available

- Tubers round oval with white skin and medium-shallow eyes.
- Very high yielding producing very large tubers. Prone to mechanical damage. Some tendency to suffer damage in controlled tests.
- Moderately resistant to tuber blight, common scab and dry rot (*F.s.*).
- Low dry matter, cooked flesh colour yellow.

Maris Peer
Second early
 PBIC/
 Generally available

- Tubers oval with white skin and shallow eyes.
- Very low yielding with few defects.
- Early foliage maturity.
- Moderately resistant to gangrene. Susceptible to virus Y.
- Medium dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Maris Piper
Maincrop
 PBIC/
 Generally available

- Tubers oval with white skin and shallow eyes.
- Moderate yielding. Prone to common scab infected tubers.
- Moderately resistant to gangrene. Susceptible to dry rot (*F.c.* and *F.s.*) and virus Y and very susceptible to common scab. Resistant to potato cyst eelworm, *G. rostochiensis*.
- High dry matter, quite mealy with a tendency to disintegrate, cooked flesh colour cream.
- Suitable crisp colour after harvest.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **very good**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **very good**.

- Maritiema**
Second Early
 Buerhave / Schaap BV/
 Potato Innovations Ltd
- Tubers oval with white to yellow skin and shallow eyes.
 - Moderate yielding with few defects.
 - Early foliage maturity.
 - Moderately resistant to common scab and blackleg. Susceptible to foliage and tuber blight and leaf roll and very susceptible to virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
 - Medium dry matter, quite mealy, cooked flesh colour cream.
 - Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **none**.
 - Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Markies**
Maincrop
 Mansholt/
 Agrico
- Tubers oval with light yellow skin and shallow-medium eyes.
 - Moderate yielding, producing below average numbers of tubers.
 - Moderately resistant to tuber blight. Susceptible to common scab. Resistant to potato cyst eelworm, *G. rostochiensis*.
 - High dry matter, quite mealy, cooked flesh colour light-yellow.
 - Suitable crisp colour after harvest and after storage.
 - Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **none**, peeling efficiency: **good**.
 - Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **none**, peeling efficiency: **good**.
- Maxine**
Maincrop
 Caithness
 Potato Breeders
- Tubers oval-round with pink skin and shallow-medium eyes.
 - Very high yielding with few defects.
 - Resistant to blackleg and potato cyst eelworm, *G. rostochiensis* and partially resistant to *G. pallida*.
 - Medium dry matter, cooked flesh colour white-cream.
 - Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
 - Chipping after storage - fry colour: **dark**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Mayan Gold

Maincrop
SCRI/
Greenvale

- Tubers very long with parti-coloured blue skin and medium eyes.
- An extremely low yielding variety producing above average numbers of very small tubers and few defects. Prone to greening.
- Late foliage maturity.
- Resistant to common scab.
- High dry matter, quite mealy and disintegrates readily, cooked flesh colour deep yellow. Susceptible to after-cooking blackening.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **highly uniform**, internal discolouration: **very slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.

Melody

Maincrop
Meijer/
Potato
Innovations
Ltd.

- Tubers oval with yellow skin and medium eyes.
- Low yielding, producing above average numbers of tubers with few defects apart from misshapen tubers.
- Resistant to virus Y and moderately resistant to tuber blight, common scab and dry rot (*F.s.*). Susceptible to dry rot (*F.c.*) and leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour light-yellow.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.
- Chipping after storage - fry colour: **dark**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Mustang

Maincrop
Agrico

- Tubers round with parti-coloured red skin and shallow eyes.
- Very low yielding producing small tubers and few defects. Prone to blight and soft rots and common scab.
- Moderately resistant to tuber blight, black leg, dry rot (*F.c.*) and virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
- High dry matter, quite mealy, cooked flesh colour light yellow.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **variable**, internal discolouration: **very slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **unacceptable**, internal discolouration: **slight**, peeling efficiency: **very good**.

Nadine <i>Second early</i> Caithness Potato Breeders	<ul style="list-style-type: none"> • Tubers round to oval with white skin and shallow-medium eyes. • High yielding. Prone to growth cracking. • Early foliage maturity. • Moderately resistant to common scab, gangrene, skin spot and virus Y. Susceptible to blackleg. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>, and partially resistant to <i>G. pallida</i>. • Low dry matter, cooked flesh colour white-cream.
Navan <i>Maincrop</i> NIHPBS/ Cygnet Potato Breeders Ltd.	<ul style="list-style-type: none"> • Tubers oval with white skin and medium eyes. • Moderate yielding with few defects. • Late foliage maturity. • Moderately resistant to tuber blight, blackleg and virus Y. Susceptible to skin spot. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • High dry matter, quite mealy, cooked flesh colour white-cream. • Chipping after harvest - fry colour: golden, consistency of fry colour: variable, internal discolouration: very slight, peeling efficiency: very good. • Chipping after storage - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight, peeling efficiency: good.
Nectar <i>Maincrop</i> Teagasc/ Irish Potato Marketing	<ul style="list-style-type: none"> • Tubers oval with parti-coloured red skin and shallow eyes. • High yielding with many tubers and few defects. • Late foliage maturity. • Moderately resistant to tuber blight, common scab and gangrene but susceptible to dry rot. • Medium dry matter, cooked flesh colour yellow.
Nieta <i>Maincrop</i> NIHPBS/ Bennett Seed Exports Ltd.	<ul style="list-style-type: none"> • Tubers oval with white skin and shallow to medium eyes. • Very low yielding with above average numbers of small tubers. Prone to common scab infected tubers. Some tendency to suffer damage. • Moderately resistant to tuber blight. Susceptible to gangrene and skin spot. • Medium dry matter, cooked flesh colour light yellow.

Olympus
Maincrop
Higgins
Agriculture
Ltd.

- Tubers round with white skin and shallow-medium eyes.
- Low yielding with few defects. Prone to mechanical damage and blight and soft rots.
- Late foliage maturity.
- Moderately resistant to common scab, blackleg and gangrene. Susceptible to tuber blight and virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Very high dry matter, quite mealy, cooked flesh colour white-cream. Susceptible to after-cooking blackening.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **highly uniform**, internal discolouration: **slight**, peeling efficiency: **very good**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **very good**.

Orla
Second
early
Teagasc/
Irish Potato
Marketing

- Tubers oval to long oval with white skin and shallow eyes.
- High yielding with few defects.
- Resistant to tuber blight and virus Y and moderately resistant to blackleg.
- Medium dry matter, cooked flesh colour yellow.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Osprey
Second
early
Caithness
Potato
Breeders

- Tubers oval-round with parti-coloured red skin and medium eyes.
- Moderate yielding. Prone to mechanical damage at harvest. Some tendency to suffer damage as assessed in controlled tests.
- Resistant to blackleg and moderately resistant to foliage and tuber blight, common scab, gangrene and virus Y. Susceptible to leaf roll virus. Partially resistant to potato cyst eelworm, both *G. rostochiensis* and *G. pallida*.
- Medium dry matter, cooked flesh colour white-cream.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

- Paramount** • Tubers oval with red skin and shallow eyes.
Maincrop • Very high yielding, producing above average numbers of tubers
 J Mara & and very few defects.
 J McCreight/ • Moderately resistant to tuber blight but susceptible to virus Y.
 Agricrop Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour cream.
 - Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.
 - Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.
- Pentland Crown** • Tubers short oval to oval with white skin and shallow eyes.
Maincrop • Moderate yielding. Prone to growth cracking and mechanical
 SCRI/ damage. Some tendency to suffer damage as assessed in
 Generally controlled tests.
 available
- Resistant to common scab, virus Y and moderately resistant to blackleg and leaf roll virus. Susceptible to dry rot and skin spot.
 - Medium dry matter, cooked flesh colour white – grey-off-white. Susceptible to after-cooking blackening and enzymic browning.
- Pentland Dell** • Tubers long oval with white skin and shallow eyes.
Maincrop • Low yielding with few defects and some tendency to suffer
 SCRI/ damage.
 Generally Susceptible to dry rot and skin spot.
 available
- High dry matter, quite mealy, with a tendency to disintegrate, cooked flesh colour cream. Susceptible to after cooking blackening.
 - Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **good**.
 - Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**, peeling efficiency: **quite good**.
- Pentland Squire** • Tubers short oval with white skin and medium eyes.
Maincrop • Moderate yielding producing below average numbers of tubers.
 SCRI/ • Late foliage maturity.
 Generally Moderately resistant to foliage blight, common scab and dry
 available rot (*F.s.*). Susceptible to dry rot (*F.c.*) and virus Y.
- High dry matter, quite mealy, cooked flesh colour cream.

Picasso

Maincrop
Duoplant
BV/Agrico

- Tubers oval with parti-coloured red skin and shallow eyes.
- Very high yielding, producing large tubers. Prone to growth cracking. Some tendency to suffer damage.
- Resistant to virus Y and moderately resistant to tuber blight, common scab and blackleg. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Low dry matter, cooked flesh colour light-yellow.

Pomeroy

Maincrop
AFBI-DARD/
PPNI

- Tubers oval long with white skin and medium eyes.
- Moderate yielding, producing below average numbers of tubers. Some tendency to suffer damage.
- Very late foliage maturity.
- Moderately resistant to tuber blight. Very susceptible to leaf roll virus and susceptible to common scab and virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, quite mealy, cooked flesh colour cream.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**.

Ramos

Maincrop
Van Rijn/
S J
McCreight
(Potatoes)
Ltd

- Tubers long oval with white skin and shallow eyes.
- Low yielding. Many defects. Prone to green and misshapen tubers. Some tendency to suffer damage in controlled tests.
- Resistant to dry rot (*F.s.*) and moderately resistant to dry rot (*F.c.*) but susceptible to tuber blight. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour light yellow.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **highly uniform**, internal discolouration: **very slight**, peeling efficiency: **quite good**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.

Record

Maincrop
de Vroome/
Generally
available

- Tubers short oval with yellow skin and medium eyes.
- Low yielding with few defects. Prone to misshapen tubers.
- Moderately resistant to tuber blight, common scab and gangrene. Susceptible to blackleg and virus Y.
- High dry matter, mealy and disintegrates readily, cooked flesh colour yellow.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Red Magic

Maincrop
Germicopa
UK

- Tubers oval to long oval with red skin and shallow-medium eyes.
- Very low yielding, producing below average numbers of tubers. Prone to growth cracking and mechanical damage. Susceptible to damage in controlled tests.
- Late foliage maturity.
- Limited information available on disease, pest and virus resistance.
- Medium dry matter, cooked flesh colour cream.

Rembrandt

Maincrop
HZPC

- Tubers oval with white skin and medium eyes.
- Moderate yielding. Prone to growth cracking.
- Early foliage maturity.
- Resistant to virus Y and moderately resistant to tuber blight, common scab, gangrene, dry rot and skin spot. Susceptible to leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, quite mealy. Cooked flesh colour light yellow.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **highly uniform**, internal discolouration: **very slight**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **slight**.

Richhill

Maincrop
AFBI/DARD
PPNI

- Tubers short-oval with white skin and very shallow to shallow eyes.
- Moderate yielding producing below average numbers of large tubers. Many defects. Prone to growth cracking, misshapen and mechanically damaged tubers. Some tendency to damage in controlled tests.
- Late foliage maturity.
- Moderately resistant to tuber blight, blackleg and dry rot (*F.c.* and *F.s.*) but susceptible to virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Low dry matter, cooked flesh colour light yellow.

Robinta

Maincrop
Andrew
Skea/
Skea
Organics

- Tubers oval with red skin and shallow eyes.
- Very high yielding with few defects.
- Moderately resistant to tuber blight, blackleg, gangrene, skin spot and leaf roll virus but susceptible to virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **unacceptable**, internal discolouration: **unacceptable**.
- Chipping after storage - fry colour: **dark**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Romano

Maincrop
Mansholt/
Agrico

- Tubers round to short oval with red skin and medium eyes.
- Low yielding with few defects.
- Early foliage maturity.
- Moderately resistant to tuber blight, common scab, dry rot, skin spot and virus Y. Susceptible to leaf roll virus.
- Medium dry matter, cooked flesh colour white-cream.

Rooster

Maincrop

Teagasc/

Irish Potato

Marketing

- Tubers oval to long with red skin and shallow-medium eyes.
- Low yielding with few defects.
- Late foliage maturity.
- Moderately resistant to blackleg, virus Y and leaf roll virus.
- High dry matter, mealy with a tendency to disintegrate. Cooked flesh colour yellow.
- Suitable crisp colour after storage.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **very slight**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Rosegarden

Maincrop

AFBI-DARD/

PPNI

- Tubers oval with red skin and shallow eyes.
- Moderate yielding with few defects. Prone to mechanical damage.
- Late foliage maturity.
- Resistant to gangrene and dry rot and moderately resistant to common scab. Susceptible to foliage and tuber blight.
- Medium dry matter, mealy. Cooked flesh colour cream. Susceptible to after cooking blackening.
- Chipping after harvest - fry colour: **golden**, variation in fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **golden**, variation in fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **good**.

Rubesse

Maincrop
Cygnet
Potato
Breeders
Ltd.

- Tubers long-oval with red skin and shallow to medium eyes.
- Very low yielding producing below average numbers of tubers. Prone to mechanical damage and blight and soft rot. Some tendency to suffer damage in controlled tests.
- Resistant to dry rot (*F.c.* and *F.s.*) and moderately resistant to common scab and leaf roll virus. Susceptible to virus Y and very susceptible to tuber blight. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, quite mealy. Cooked flesh colour yellow. Susceptible to enzymic browning.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **good**.

Rudolph

Maincrop
Agrolon/
Agrico

- Tubers round oval with red skin and medium eyes.
- Very high yielding, producing below average numbers of large tubers. Prone to mechanical damage and common scab.
- Susceptible to virus Y.
- Low dry matter, cooked flesh colour white-cream.
- Chipping after harvest - fry colour: **golden**, variation in fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, variation in fry colour: **variable**, internal discolouration: **severe**.

Safari

Maincrop
Stet,
Holland/
Branston /
Greenvale

- Tubers short oval, with yellow skin and very shallow to shallow eyes.
- Low yielding with few very large tubers. Prone to greening and mechanical damage. Some tendency to suffer damage in controlled tests.
- Resistant to blackleg and moderately resistant to dry rot (*F.s.* and *F.c.*). Susceptible to tuber blight.
- Low dry matter, cooked flesh colour yellow.

Currently in
trial

- Sagitta**
Second Early
 HZPC,
 Netherlands
- Tubers oval with yellow skin.
 - Very high yielding. Prone to blight and soft-rot.
 - No information on resistance to diseases and pests. Medium dry matter, cooked flesh colour light yellow with a tendency to disintegrate.
- Currently in trial
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **very slight**, peeling efficiency: **very good**.
 - Chipping after storage - fry colour: **golden**, consistency of fry colour: **unacceptable**, internal discolouration: **slight**, peeling efficiency: **very good**.
- Sante**
Maincrop
 Vegter/
 Agrico
- Tubers round to short oval with white skin and shallow-medium eyes.
 - High yielding with few defects. Some tendency to suffer damage.
 - Resistant to tuber blight and virus Y, moderately resistant to common scab and dry rot. Susceptible to blackleg and gangrene. Resistant to potato cyst eelworm, *G. rostochiensis*, and partially resistant to *G. pallida*.
 - Medium dry matter, cooked flesh colour light yellow.
 - Chipping after harvest - fry colour: **light**, consistency of fry colour: **variable**, internal discolouration: **slight**.
 - Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **unacceptable**.
- Sapphire**
Maincrop
 Van Rijn/
 Germicopa
 UK
- Tubers oval to round with white skin and shallow eyes.
 - High yields with below average numbers of large tubers. Prone to mechanical damage and common scab. Some tendency to suffer damage in controlled tests.
 - Late foliage maturity.
 - Resistant to blackleg and moderately resistant to common scab, gangrene and virus Y. Partially resistant to potato cyst eelworm, *G. pallida*.
 - Medium dry matter, cooked flesh colour light yellow.

- Sarpo Gwyn** • Tubers oval with white skin and shallow eyes.
Maincrop
 Sarpo KFT,
 Hungary/
 Sarvari
 Research
 Trust
- Very low yielding producing below average numbers of tubers. Prone to growth cracked, misshapen and mechanically damaged tubers. Some tendency to suffer damage.
 - Late foliage maturity.
 - Moderately resistant to foliage blight, common scab and virus Y but susceptible to blackleg and very susceptible to dry rot (*F.c.*). Resistant to potato cyst eelworm, *G. rostochiensis*.
 - Medium dry matter, cooked flesh colour light yellow.
 - Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.
 - Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **good**.
- Sarpo Mira** • Tubers long oval with red skin and shallow-medium eyes.
Maincrop
 Sarpo KFT/
 Sarvari
 Research
 Trust
- Very low yielding producing small tubers. Prone to misshapen tubers.
 - Very late foliage maturity.
 - Resistant to foliage and tuber blight and virus Y and moderately resistant to blackleg.
 - Medium dry matter, cooked flesh colour cream.
 - Suitable crisp colour after harvest.
 - Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **quite good**.
 - Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **good**.
- Sarpo Una** • Tubers long-oval with red skin and very shallow - shallow eyes.
Second
Early
 Sarvari
 Research
 Trust
- Low yielding with few defects. Prone to misshapen, mechanical damage and blight and soft rot.
 - Resistant to virus Y and moderately resistant to foliage blight. Susceptible to dry rot (*F.c.*).
 - Medium dry matter, cooked flesh colour white-cream. Susceptible to after-cooking blackening and enzymic browning.

Sassy

Maincrop
Germicopa
UK

- Tubers round to oval with white skin and shallow-medium eyes.
- Very low yields with many small tubers and very few defects. Prone to mechanical damage. Some tendency to suffer damage in controlled tests.
- Resistant to blackleg but susceptible to foliage blight and common scab. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Very high dry matter, cooked flesh colour light yellow.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **highly uniform**, internal discolouration: **very slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **highly uniform**, internal discolouration: **very slight**, peeling efficiency: **good**.

Saturna

Maincrop
Scholten/
Generally
available

- Tubers short oval with yellow skin and medium-deep eyes.
- Very low yielding. Prone to misshapen and common scab infected tubers in trials in Northern Ireland.
- Resistant to common scab in UK pathology tests and moderately resistant to dry rot (*F.c.* and *F.s.*) and leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Very high dry matter, quite mealy, cooked flesh colour light yellow. Susceptible to after cooking-blackening.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **none**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **none**.

Saxon

*Second
early*
PBIC/
Cygnet
Potato
Breeders

- Tubers oval to round with white skin and shallow-medium eyes.
- Very high yielding.
- Early foliage maturity.
- Resistant to gangrene and blackleg and moderately resistant to leaf roll virus. Susceptible to foliage blight and dry rot. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**.
- Chipping after storage - no data.

Shannon

Maincrop
Teagasc/
Irish Potato
Marketing

- Tubers oval to long oval with red skin and shallow eyes.
- Very high yielding producing large tubers. Prone to slug and wireworm damage. Some tendency to suffer damage.
- Early foliage maturity.
- Moderately resistant to common scab and leaf roll virus. Susceptible to foliage blight and gangrene and very susceptible to blackleg and virus Y.
- Low dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **unacceptable**.

Shepody

Maincrop
Agriculture
Canada/
McCain
Potatoes

- Tubers long-oval, tending to be irregular in shape, with white skin and medium-shallow eyes.
- Very low yielding with few tubers. Prone to green, misshapen and mechanically damaged tubers. Some tendency to suffer damage as assessed in controlled tests.
- Moderately resistant to blackleg, dry rot and leaf roll virus. Susceptible to foliage and tuber blight and virus Y.
- Medium dry matter, quite mealy, cooked flesh colour white.

Slaney

Maincrop
Teagasc/
Irish Potato
Marketing

- Tubers round-oval with white skin and medium-shallow eyes.
- Very high yielding producing large tubers and few defects.
- Very late foliage maturity.
- Moderately resistant to gangrene and virus Y. Susceptible to tuber blight and leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Stemster

Maincrop
Caithness
Potato
Breeder's

- Tubers oval to long oval with red skin and medium-shallow eyes.
- Very high yielding with few defects. Prone to common scab infected tubers.
- Moderately resistant to blackleg and virus Y. Susceptible to tuber blight, dry rot and leaf roll virus. Partially resistant to potato cyst eelworm, *G. rostochiensis*.
- Low dry matter, cooked flesh colour yellow.

Sunray

Maincrop
R J Cherry

Currently in
trial

- Tubers long oval with white skin and very shallow eyes.
- Very low yielding with few defects. Prone to mechanical damage.
- Moderately resistant to tuber blight and blackleg but susceptible to dry rot (*F.s.*) and virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour yellow.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **uniform**, internal discolouration: **very slight**, peeling efficiency: **very good**.
- Chipping after storage - fry colour: **dark**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **very good**.

Sunrise

Maincrop
Caithness
Potato
Breeders

- Tubers round oval with parti-coloured red skin and shallow-medium eyes.
- Moderate yielding producing large tubers. Prone to mechanical damage and blight & soft rot. Some tendency to suffer damage in controlled tests.
- Moderately resistant to common scab and gangrene but susceptible to tuber blight, blackleg, virus Y and leaf roll virus.
- Medium dry matter, cooked flesh colour light yellow.

Sunset

Maincrop
AFBI-DARD/
PPNI

- Tubers long oval with red skin and shallow eyes.
- High yielding with below average numbers of tubers. Prone to misshapen and mechanically damaged tubers. Some tendency to suffer damage as assessed in controlled tests.
- Very late foliage maturity.
- Resistant to virus Y and moderately resistant to tuber blight and blackleg. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour yellow.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Sylvana

Maincrop
HZPC/
HZPC /
Greenvale

- Tubers oval with yellow skin.
- Very high yielding. Prone to greening and mechanical damage.
- Resistant to dry rot (*F.c.* and *F.s.*) and moderately resistant to common scab and blackleg but susceptible to tuber blight and skin spot. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour yellow.

Currently in
trial

Tulla

Maincrop
Teagasc,
Ireland

- Tubers oval-long oval, variable, with white skin and shallow-medium eyes.
- Very high yielding. Some tendency to suffer damage.
- Moderately resistant to foliage and tuber blight and common scab but susceptible to leaf roll virus. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, quite mealy. Cooked flesh colour cream.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Vales

Everest

Maincrop
SCRI/
Greenvale

- Tubers round-oval with parti-coloured red skin and shallow-medium eyes.
- Low yielding producing below average numbers of large tubers. Prone to mechanical damage and blight and soft rot. Some tendency to suffer damage in controlled tests.
- Moderately resistant to virus Y. Partially resistant to potato cyst eelworm, *G. pallida*.
- Medium dry matter, cooked flesh colour cream.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **very good**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**, peeling efficiency: **good**.

Vales

Sovereign

Maincrop
SCRI/
Greenvale

- Tubers long oval with parti-coloured red skin and shallow-medium eyes.
- High yielding producing below average numbers of large tubers. Prone to misshapen tubers and to slugs and wireworms.
- Resistant to blackleg and moderately resistant to foliage blight and common scab but susceptible to tuber blight and leaf roll virus.
- Medium dry matter, cooked flesh colour light yellow. Susceptible to after-cooking blackening.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Valor

Maincrop
Caithness
Potato
Breeders

- Tubers oval to round with white skin and shallow-medium eyes.
- High yielding. Prone to common scab infected tubers.
- Very late foliage maturity.
- Resistant to tuber blight. Susceptible to virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*, and partially resistant to *G. pallida*.
- Low dry matter, cooked flesh colour cream.

Verdi

Maincrop
Solana

- Tubers short oval with white skin and medium eyes.
- Very low yields. Prone to common scab. Some tendency to suffer damage.
- Limited information available on disease, pest and virus resistance.
- Very high dry matter, quite mealy, cooked flesh colour cream. Susceptible to after-cooking blackening.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **highly uniform**, internal discolouration: **slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **very light**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.

Victoria

Maincrop
HZPC

- Tubers oval to long oval with yellow skin and shallow eyes.
- Moderate yielding, producing below average numbers of tubers. Prone to mechanical damage.
- Early foliage maturity.
- Moderately resistant to blackleg. Susceptible to tuber blight and virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour light yellow.
- Suitable crisp colour after harvest and after storage.
- Chipping after harvest - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **none**.
- Chipping after storage - fry colour: **light**, consistency of fry colour: **uniform**, internal discolouration: **none**.

Vivaldi

Maincrop
HZPC

- Tubers oval with white to yellow skin and shallow eyes.
- Moderate yielding.
- Early foliage maturity.
- Resistant to leaf roll virus and moderately resistant to virus Y but susceptible to foliage blight and blackleg.
- Low dry matter. Cooked flesh colour light yellow.
- Chipping after harvest - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.
- Chipping after storage - fry colour: **dark golden**, consistency of fry colour: **variable**, internal discolouration: **severe**.

Wilja

*Second
early*
Konst/
Generally
available

- Tubers oval to long-oval with yellow skin and shallow eyes.
- Moderate yielding.
- Early foliage maturity.
- Moderately resistant to common scab. Susceptible to virus Y.
- Medium dry matter, cooked flesh colour light yellow.

Zorba

*Second
Early*
Nieker
Instituto
Vasco of
Investigacion
y Des,
Spain/
Higgins
Agriculture
Ltd.

- Tubers long with pale yellow skin and shallow eyes.
- Low yielding with below average numbers of tubers. Prone to misshapen and mechanically damaged tubers.
- No information on resistance to diseases and pests.
- High dry matter, mealy with a tendency to disintegrate, cooked flesh colour cream.
- Chipping after harvest - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **very slight**, peeling efficiency: **good**.
- Chipping after storage - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**, peeling efficiency: **good**.

Currently in
trial

The varieties **Innovator**, **Marvel**, **Sarpo Shona** and **Toluca** are at a preliminary stage of trialling.

FIRST EARLY POTATO VARIETIES - AGRONOMIC CHARACTERISTICS

	Marketable yield as % of mature yield of Home Guard (100 = 30.4 t/ha)		Number of tubers (9 = many tubers)	Size of tubers (9 = large tubers)
	Early	Mature		
Accent	45	119	7	5
Accord	70	120	5	6
Amora	69	113	5	6
Casablanca	63	140	5	5
Colleen	53	124	7	6
Dundrod	60	112	7	5
Emma	56	148	7	5
Home Guard	41	100	6	5
Lady Christl	42	88	7	5
Maris Bard	51	103	5	5
Orla	42	119	7	5
Pentland Javelin	44	105	6	5
Premiere	44	91	7	5
Riviera	95	122	5	7
Rocket	75	121	6	6
Swift	40	51	8	5
Vales Emerald	40	111	8	4
Winston	65	122	5	6

FIRST EARLY POTATO VARIETIES - DISEASES AND PESTS

Resistance (9 = resistant) to:

	Foliage blight	Tuber blight	Common scab	Blackleg	Gangrene	Virus Y	Leaf roll	Cyst eelworm*	
								<i>G. rostochiensis</i>	<i>G. pallida</i>
Accent	3	6	7	-	4	4	4	R	S
Accord	3	5	6	-	4	3	8	R	PR (4)
Amora	4	5	4	1	2	4	-	8	2
Casablanca	3	3	6	8	-	6	7	8	Pa2+3: 2.3
Colleen	5	6	6	4	5	7	2	S	-
Dundrod	3	3	5	3	5	7	4	R	S
Emma	4	5	5	6	-	-	-	-	-
Home Guard	4	2	6	4	7	4	4	S	-
Lady Christl	2	5	7	5	4	9	3	R	S
Maris Bard	3	3	5	4	5	5	5	3	3
Orla	4	8	5	6	5	9	4	S	(S)
Pentland Javelin	4	2	6	5	5	8	4	R	S
Premiere	3	5	5	1	4	3	4	R	(S)
Riviera	2	1	4	6	3	8	4	9	Pa1:2; Pa2+3: 3
Rocket	3	2	5	-	3	5	4	R	PR
Swift	4	3	6	6	5	8	5	4	Pa1:4; Pa2+3: 4
Vales Emerald	4	4	4	7	3	4	4	2	Pa2+3: 2.3
Winston	4	5	5	6	5	8	5	R	S

* S = susceptible R = resistant PR = partially resistant QG = Quite good

FIRST EARLY POTATO VARIETIES - EATING AND CRISPING QUALITY

	Dry matter (%)	Disintegration (9 = severe)	Mealiness (9 = mealy)	Cooked flesh colour*	Freedom from blackening (9 = none)	Crisp colour (9 = light)
Accent	17.1	2	3	LY	8	3
Accord	19.7	4	4	C	9	6
Amora	20.8	3	5	Y	8	6
Casablanca	19.2	2	3	LY	7	4
Colleen	19.2	4	5	LY	8	5
Dundrod	19.1	3	3	C	8	5
Emma	18.0	3	4	Y	8	3
Home Guard	19.9	4	4	C	6	4
Lady Christl	18.0	1	3	DY	8	2
Maris Bard	19.1	2	5	W-C	8	4
Orla	18.0	4	3	LY	9	4
Pentland Javelin	18.8	3	5	W	8	4
Premiere	20.3	4	3	LY	9	4
Riviera	16.5	2	3	LY	8	3
Rocket	17.7	2	4	W-C	8	3
Swift	15.5	2	4	C	8	2
Vales Emerald	20.1	2	4	Y	8	3
Winston	14.7	2	4	C	8	3

* W = White; C = Cream; LY = Light Yellow; Y = Yellow, DY = Deep Yellow

FIRST EARLY VARIETIES

Details of first early varieties are presented in the table. Chipping quality is only referred to in the text. Marketable yields at early and mature lifts are expressed as percentages of the mature yield of Home Guard and are for the period **1989-2011**.

Accent

S Hartens/
Potato
Innovations
Ltd.

- Tubers oval with yellow skin.
- Slow initiation. High yield potential.
- Moderately resistant to tuber blight and common scab. Susceptible to foliage blight. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Low dry matter, cooked flesh colour light yellow.

Accord

Meijer/
Potato
Innovations
Ltd.

- Tubers round oval with cream skin and shallow eyes.
- Early bulking with high yield potential, producing large tubers.
- Resistant to leaf roll virus and moderately resistant to common scab. Susceptible to foliage and virus Y. Resistant to potato cyst eelworm, *G. rostochiensis*, and partially resistant to *G. pallida*.
- Medium dry matter, cooked flesh colour cream. May have suitable crisp colour.
- Chipping - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**.

Amora

Schaap/
Potato
Innovations
Ltd.

- Tubers oval with yellow skin.
- Early bulking, producing large tubers. Moderate yield potential. Prone to misshapen tubers.
- Limited information on resistance to diseases and pests.
- Medium dry matter, cooked flesh colour yellow. May have suitable crisp colour.
- Chipping - fry colour: **golden**, consistency of fry colour: **variable**, internal discolouration: **slight**.

Casablanca

Cygnnet Potato
Breeders Ltd.

- Tubers short-oval with white skin and shallow eyes.
- Very high yield potential with few defects.
- Resistant to blackleg and moderately resistant to common scab, virus Y and leaf roll virus but susceptible to foliage and tuber blight. Resistant to potato cyst eelworm, *G. rostochiensis*.
- Medium dry matter, cooked flesh colour light yellow with a tendency to have off-flavours.
- Chipping - fry colour: **golden**, consistency of fry colour: **uniform**, internal discolouration: **slight**.

Colleen Teagasc/ Irish Potato Marketing	<ul style="list-style-type: none"> • Tubers round-oval with white skin and shallow-medium eyes. • Early bulking with very high yields, producing large tubers. Prone to mechanical damage. • Moderately resistant to tuber blight, common scab and virus Y. Susceptible to leaf roll virus. • Medium dry matter, cooked flesh colour light yellow.
Dundrod John Clarke/ R J Cherry	<ul style="list-style-type: none"> • Tubers round-oval to oval with white skin and shallow-medium eyes. • Early bulking with high yields. Few defects. • Moderately resistant to virus Y. Susceptible to foliage and tuber blight and blackleg. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Medium dry matter, cooked flesh colour cream.
Emma Teagasc/ Irish Potato Marketing	<ul style="list-style-type: none"> • Tubers oval to round with white skin and shallow-medium eyes. • Early bulking with very high yield potential. Few defects. • Information on resistance to most diseases and pests is not available. • Low dry matter, cooked flesh colour yellow. • Chipping - fry colour: golden, consistency of fry colour: uniform, internal discolouration: slight.
Home Guard McGill and Smith Generally available	<ul style="list-style-type: none"> • Tubers short oval with white skin and medium eyes. • Moderate yields. • Moderately resistant to common scab and gangrene. Susceptible to tuber blight. • Medium dry matter, cooked flesh colour cream. Susceptible to after-cooking blackening. • Chipping - fry colour: golden, consistency of fry colour: uniform, internal discolouration: severe.
Lady Christl Meijer Research BV/ Potato Innovations Ltd.	<ul style="list-style-type: none"> • Tubers oval to long oval with white skin and shallow eyes. • Low yield potential. Prone to misshapen tubers. • Resistant to virus Y and moderately resistant to common scab. Susceptible to foliage blight, powdery scab, leaf roll virus, skin spot and dry rot (<i>F. c.</i>). Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Low dry matter, cooked flesh colour deep yellow with a tendency to have off-flavours. • Chipping - fry colour: dark golden, consistency of fry colour: uniform, internal discolouration: slight.

Maris Bard PBIC/ Generally available	<ul style="list-style-type: none"> • Tubers short oval with white skin and shallow eyes. • Early tuber initiation and early bulking with moderate yields. • Susceptible to foliage and tuber blight. • Medium dry matter, cooked flesh colour white-cream.
Orla Teagasc/ Irish Potato Marketing	<ul style="list-style-type: none"> • Tubers oval to long oval with white skin and shallow eyes. • Slow initiation. High yields. • Resistant to tuber blight and virus Y and moderately resistant to blackleg. • Low dry matter, cooked flesh colour light yellow. • Chipping - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight.
Pentland Javelin SCRI Generally available	<ul style="list-style-type: none"> • Tubers short oval with white skin. • Moderate yield potential. • Resistant to virus Y and moderately resistant to common scab but susceptible to tuber blight. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Medium dry matter, cooked flesh colour white.
Premiere Brands/AgriCo	<ul style="list-style-type: none"> • Tubers oval with yellow skin and shallow eyes. • Low yield potential. • Very susceptible to blackleg and susceptible to foliage blight and virus Y. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Medium dry matter, cooked flesh colour light yellow. • Chipping - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight.
Riviera Boerhave/ AgriCo	<ul style="list-style-type: none"> • Tubers oval with white skin and shallow/medium eyes. • Early tuber initiation and very early bulking and high yield potential, producing large tubers. Few defects. • Resistant to virus Y but susceptible to foliage blight and gangrene and very susceptible to tuber blight. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Very low dry matter, cooked flesh colour light yellow with a tendency to have off-flavours. • Chipping - fry colour: dark golden, consistency of fry colour: variable, internal discolouration: slight.

- | | |
|---|--|
| Rocket
PBIC/ Cygnet | <ul style="list-style-type: none"> • Tubers round, indented at the heel, with white skin and medium shallow eyes. • Early tuber initiation and early bulking and high yield potential, producing large tubers. Prone to growth cracking and mechanical damage. • Susceptible to foliage and tuber blight and gangrene. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>, and partially resistant to <i>G. pallida</i>. • Low dry matter, cooked flesh colour white-cream. |
| Swift
Caithness
Potato
Breeders | <ul style="list-style-type: none"> • Tubers round/oval with thick white skin and shallow-medium eyes. • Very low yield potential, producing many tubers. Prone to mechanical damage. • Resistant to virus Y and moderately resistant to common scab and blackleg but susceptible to tuber blight. • Very low dry matter, cooked flesh colour cream. |
| Vales Emerald
James Hutton
Institute
Greenvale AP | <ul style="list-style-type: none"> • Tubers short oval with white skin. Slow to initiate. • High yielding with many tubers and few defects. • Moderately resistant to blackleg but susceptible to gangrene and potato cyst eelworm, <i>G. rostochiensis</i>. • Medium dry matter, cooked flesh colour yellow. • Chipping - fry colour: golden, consistency of fry colour: variable, internal discolouration: slight. |
| Winston
Caithness
Potato
Breeders | <ul style="list-style-type: none"> • Tubers oval to round with white skin and shallow-medium eyes. • Early bulking with high yields and large tubers. Many defects, prone to growth cracking and mechanical damage. • Resistant to virus Y and moderately resistant to blackleg. Resistant to potato cyst eelworm, <i>G. rostochiensis</i>. • Very low dry matter, cooked flesh colour cream. |

The variety **Ambassador** is at a preliminary stage of trialling.

SUMMARY

Choice of potato varieties is governed by many considerations, including preference expressed by the purchaser. With the large number of new varieties coming through the testing programme detailed information is needed before an appropriate choice for individual circumstances can be made. This comparative information on varieties will enable growers, merchants, pre-packers, retailers and processors to make decisions about varieties with respect to growth and storage factors and also quality aspects.

The information presented in this booklet is comprehensive but the experience gained with new varieties as they are grown on a wider scale will be invaluable. Comments on all aspects of performances of varieties would therefore be very welcome.

APPENDIX 1

AGENTS (AND BREEDERS)

Agrico UK, Castleton of Eassie, Glamis, By Forfar, Angus DD8 1SJ

Agricrop, 168 Seapark, Malahide, Co. Dublin

Agrolon Ltd, The Cottages, Wester Meathie, Forfar, Angus DD8 1XJ

Albert Bartlett & Sons (Airdrie) Ltd., New Monkland, 251 Stirling Road,
Airdrie ML6 7SP

Brady's Hunter Ltd, c/o R Brady, The Old School House, 127
Cloughwater Road, Ballymena, Co. Antrim BT43 6QR

The Bennett Group, c/o Grampian Growers, Logie, Montrose, Angus
DD10 9LD

Bennett Seed Exports Ltd, c/o Grampian Growers, Logie, Montrose,
Angus DD10 9LD

Branston, Mere Road, Branston, Lincoln LN4 1NJ

Caithness Potato Breeders Ltd, 26 York Place, Perth PH2 8EH

Cherry, R. J. & Son, 38-40 Carnlea Road, Ballymena, Co. Antrim BT43
6TS

Cullen and Allen Ltd., 8 Wandsworth Drive, Belfast BT4 2BJ

Cygnnet Potato Breeders Ltd, Blairfield Farm, Milnathort, Kinross KY13
0SG

Dobbin, A., 46 Ballyclough Road, Bushmills Co. Antrim BT57 8UZ

Federation Nationale des Producteurs de plants de Pommes de Terre, 9
Rue d'Athenes, Paris F-75009, France

Germicopa UK, Mere Road, Branston, Lincoln LN4 1NJ

Greenvale AP, Floods Ferry, Diddington, March, Cambs. PE15 0UW

Higgins G I, Greenbank House, Finningley, Doncaster DN9 3BZ

HZPC UK, 14 Field Road, Crowle, Scunthorpe, Lincs. DN17 4HP

Irish Potato Breeders, 168 Seapark, Malahide, Co. Dublin

Irish Potato Marketing, Unit 412, Q House, 76 Furze Road, Sandyford
Industrial Estate, Dublin 18

Jonquil Developments Ltd, 168 Seapark, Malahide, Co. Dublin

Konst Research BV, Hoofdweg 1060, Nieuw Vennep, NL2153, Netherlands

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

Lange, Saatzucht, Fritz Lange KG, PF 1352, D-23602, Bad Schwartau, Germany

McCain Potatoes (GB) Ltd, Pugeston by Montrose, Angus DD10 9LF

S. J. McCreight Potatoes Ltd, 93 Crossan Road, Rathfriland, Co. Down BT34 5BE

AFBI/DARD NIHPBS (Northern Ireland Horticultural and Plant Breeding Station), Manor House, Loughgall, Co. Armagh BT61 8JA

Plant Breeding International Cambridge (PBIC) (now Cygnet Potato Breeders)

Potato Innovations Ltd., Bayfield Brecks Barns, Garden Lane, Lethering Sett, Holt, Norfolk NR25 7DZ

PPNI Ltd., Potato Partners Northern Ireland Ltd., 58 Tober Road, Ballymoney, Co. Antrim BT53 8YN

Sarvari Research Trust, Henfaes Research Centre, Abergwyngregyn, Llanfairfechan LL33 0LB

Scottish Crop Research Institute (SCRI), Invergowrie, Dundee DD2 5DA

Skea Organics, c/o Andrew Skea, East Mains, Auchterhouse, Dundee DD3 0QN

SOAFD Pentland House, 47 Robbs Loan, Edinburgh EH14 1TW

S. C. Solana, Romania S. R. L., Str 13 Decembrie, nr 22, Sc B, Ap 13, 500199 Brasov, Romania

Stet Holland, PB83, 8300AB, Emmeloord, Netherlands

Teagasc Crops Research Centre, Oak Park, Carlow, Co. Carlow

Unicopa, Unicopa-Kerozar, Momlaix, Cedex, France

D. J. van der Have BV, PO Box 1, NL-442DAA Kapelle, Netherlands

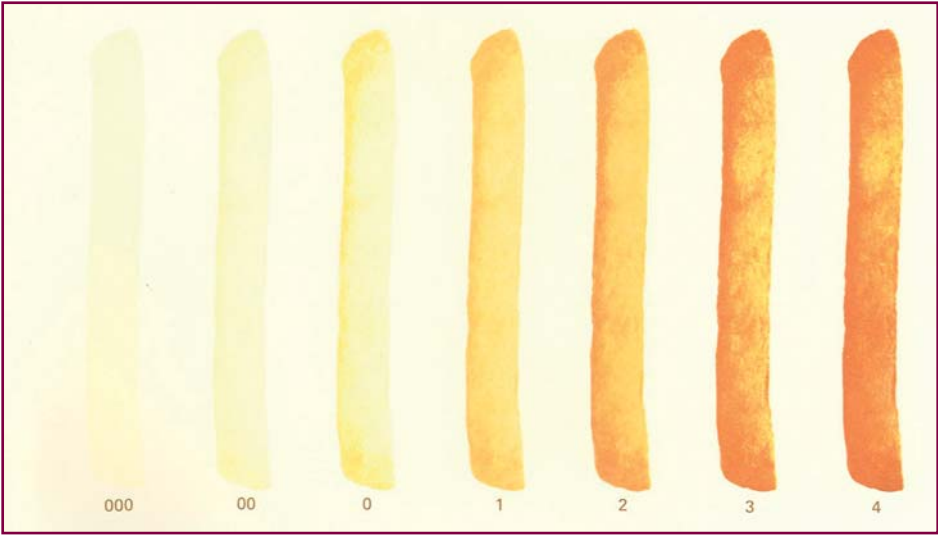
R. K. Wiersma De, Theebus, Netherlands

APPENDIX 2 CHIP CHARACTERISTICS

Fry Colour:

Colour score	USDA chip colour score	Range	Description
1	000	0.5 – 1.4	Ultra light
2	00	1.5 – 2.4	Very light
3	0	2.5 – 3.4	Light (golden)
4	1	3.5 – 4.4	Golden
5	2	4.5 – 5.4	Dark golden
6	3	5.5 – 6.4	Dark
7	4	6.5 – 7.4	Very dark

USDA Chip Colour Chart:



Colour consistency:	0	No variation in colour
	0.01 – 0.25	Highly uniform
	0.26 – 0.50	Uniform
	0.51 – 0.75	Variable in colour
	>0.76	Unacceptable

Internal discolouration:	>9.0	None
	8.5 – 8.9	Very slight
	7.0 – 8.4	Slight
	5.0 – 6.9	Severe
	<4.9	Unacceptable

Peeling efficiency:	>80%	Very good
	70-79%	Good
	50-69%	Quite good
	< 49%	Poor

Enquiries

For help with variety selection and management contact:

Crops Development Advisors:

Robin Bolton	Office: (028) 9442 6680 Mobile: 07748 967 013 email: robin.bolton@dardni.gov.uk;
Iain Johnston	Office: (028) 9442 6766 Mobile: 07717 732 337 email: iain.johnston@dardni.gov.uk
Gerard McDaid	Office: (028) 7772 1821 Mobile: 07500 029 384 email: gerard.mcdaid@dardni.gov.uk;
Aveen McMullan	Office: (028) 4461 8075 Mobile: 07919 123 649 email: aveen.mcmullan@dardni.gov.uk

Crop Technologists:

Adrian Quinn	Office: (028) 9442 6709 Mobile: 07769 215 093 email: adrian.j.quinn@dardni.gov.uk
Leigh McClean	Office: (028) 9442 6908 Mobile: 07795 298 662 email: leigh.mcclean@dardni.gov.uk

Plant breeders, merchants and other specialists requiring technical data on trials, testing procedures and variety details should contact:

Sustainable Agri-Food Sciences Division
AFBI Crossnacreevy
Plant Testing Station
50 Houston Road
Crossnacreevy
Belfast BT6 9SH

Tel: (028) 9054 8000
Fax: (028) 9054 8001

The DARD potato variety booklet is available at www.afbini.gov.uk or by post from the Plant Testing Station.

Information on all the varieties included in this booklet and on varieties included in trials but for which seed is not currently available in the British Isles is also available on the AFBI website at www.afbini.gov.uk

Farmers' experience of growing varieties is valuable to us. If, after having grown any of the varieties listed in this booklet, you have any useful comments, please get in touch with us at the Plant Testing Station.

www.afbini.gov.uk

Key DARD Contacts: Farmers, growers and processors requiring guidance on variety selection and use should contact their local CAFRE Development Adviser on 0845 30 44 503.

New DARD telephone numbers:

Animal Health & Welfare and Veterinary Public Health	0300 200 7840
Cattle Registration Line	0300 200 7855
Education and Training	0300 200 7841
Environment	0300 200 7842
Farming	0300 200 7843
Fisheries	0300 200 7844
Flood Defence and Drainage	0300 200 7845
Food	0300 200 7846
Forests	0300 200 7847
Grants and Funding	0300 200 7848
Rural Development	0300 200 7849
DARD Corporate Services	0300 200 7850
Textphone	0300 200 7851
Calls from non-UK numbers or networks/ International Calls	+44(0)28 9037 8418

Farmers, growers and processors requiring more specialist information on crops should contact:

CAFRE Development Service, Greenmount College

Tel: 028 9442 6770

Fax: 028 9442 6777



Department of

**Agriculture and
Rural Development**

www.dardni.gov.uk

AN ROINN

**Talmhaíochta agus
Forbartha Tuaithe**

MANNYSTRIE O

**Fairms an
Kintra Fordèrin**

ISBN 978-1-848007-414-9
Crown Copyright 2013