Green Crop Information
A branch of Beeswax Dyson

Spring peas cultivars analysis

Prospective varieties for planting spring 2021

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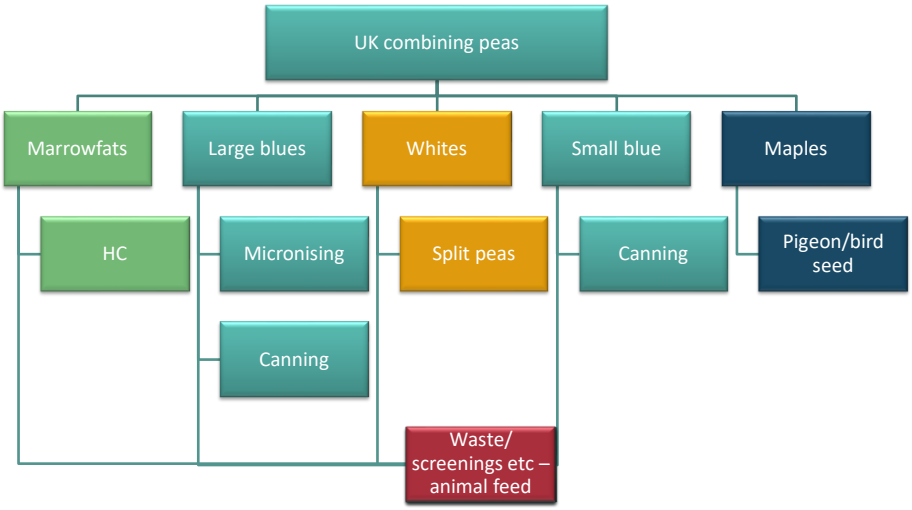
Green Crop Information
A branch of Beeswax Dyson

Combining pea market sectors



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Spring pea varieties database

HARVEST YEARS

2017 – 2020

NUMBER OF TRIALS

24

NUMBER OF VARIETIES

43

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Spring pea varieties database

2020 mean yield

- 2.78 t ha^{-1}

Lowest yield

- 0.92 t ha^{-1} Banshee, 2020 PGRO 20-PG-527, trial yield = 1.48 t ha^{-1}

Highest yield

- 6.22 t ha^{-1} Bluetime, 2017 PGRO 17-SS-508, trial yield = 5.03 t ha^{-1}

Most frequent cultivar

- Blueman, 24 trials

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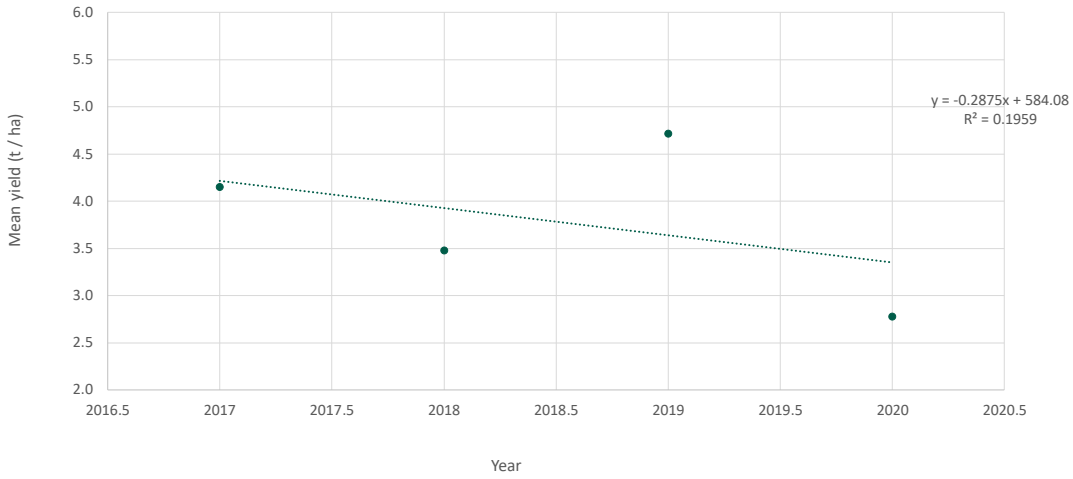
Mean yield in spring combining peas cultivars trials 2017 - 2020



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Analysis of results

Includes:

- Varieties on the 2021/22 descriptive list
- Varieties new this year
- All have at least 5 trials results.

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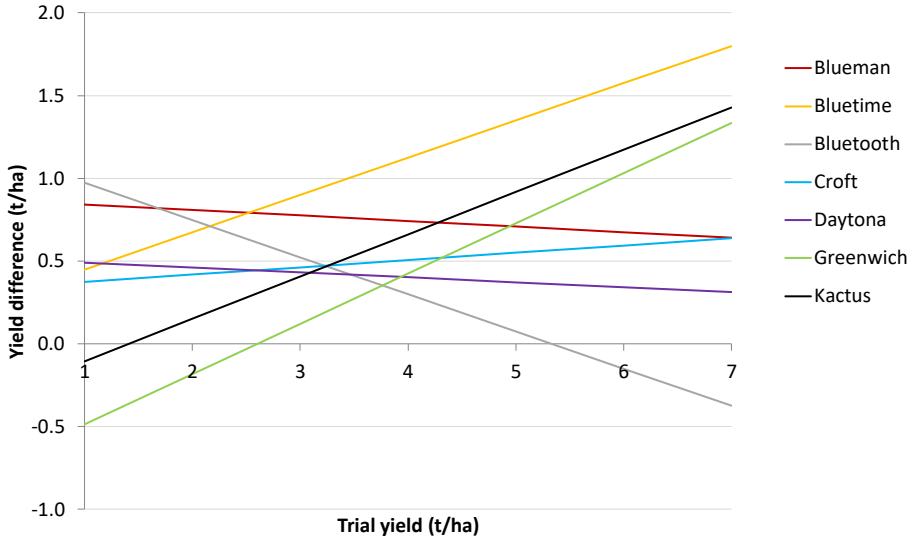
Yield difference – large blue (1/2)



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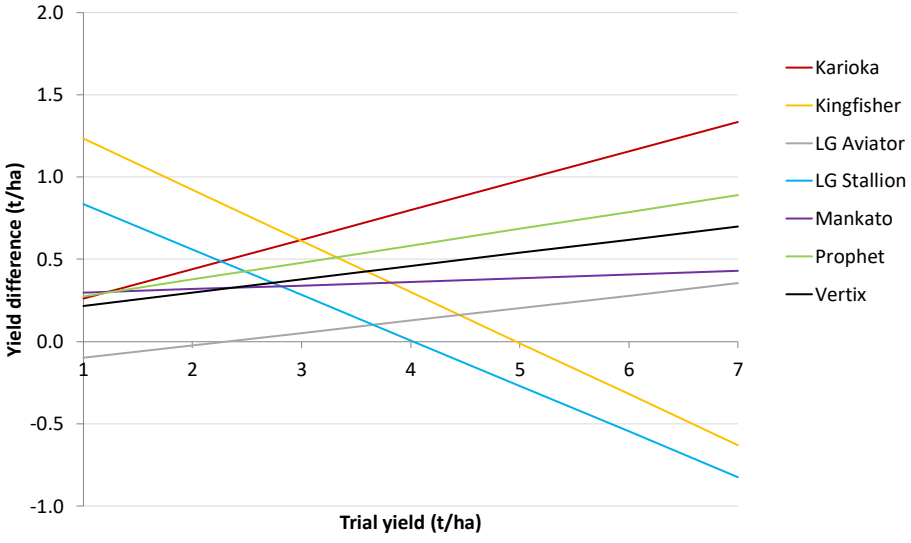
Yield difference – large blue (2/2)



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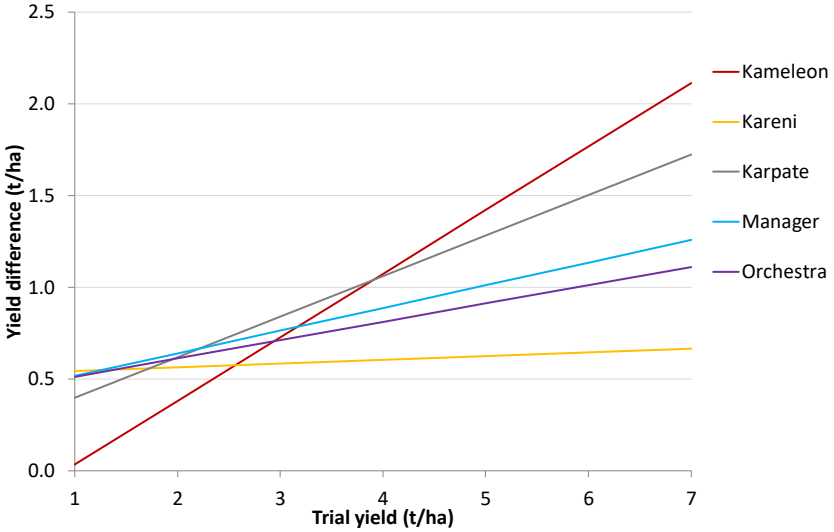
Yield difference – white



Use pesticides safely, always read and adhere to label instructions

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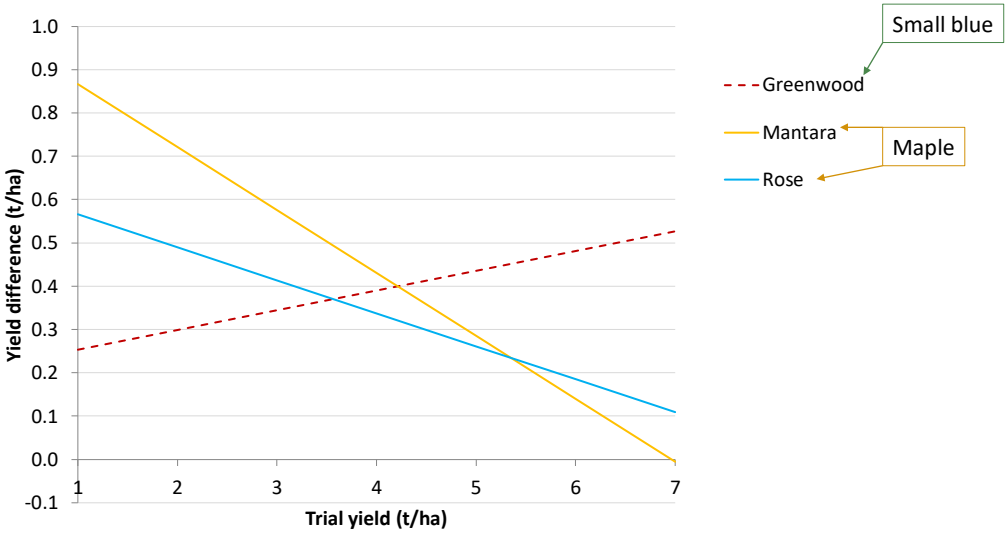
Yield difference – small blue and maple



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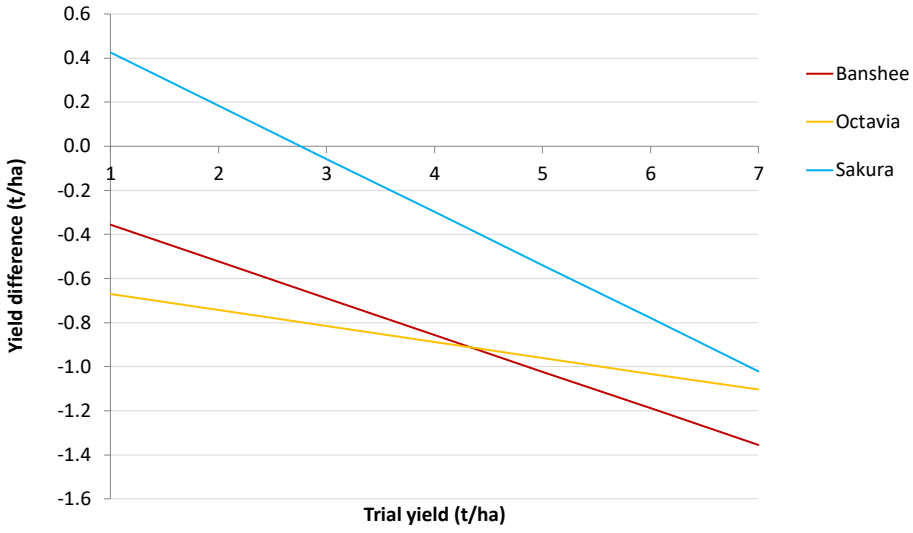
Yield difference – marrowfat



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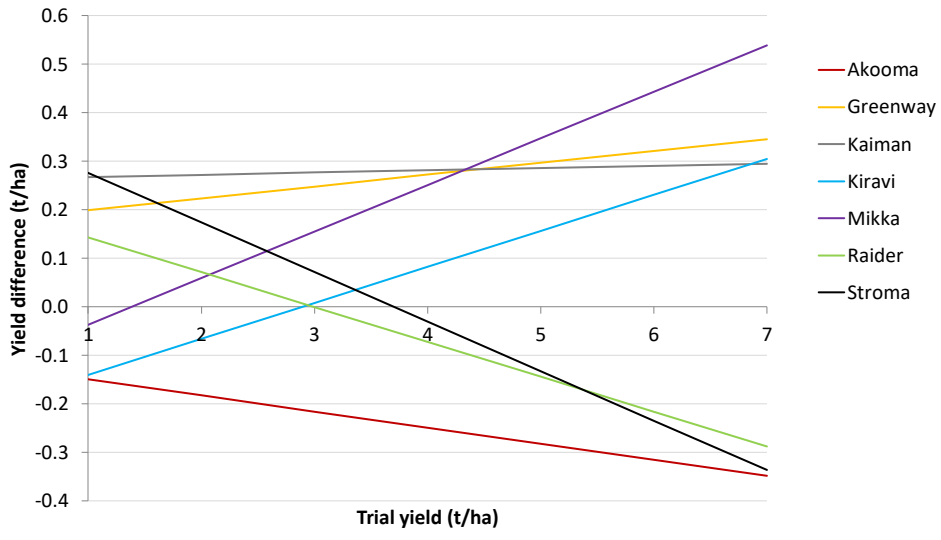
Yield difference – new this year



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Characteristics – **Current** DL varieties updated

	White					Large Blue													SB	Maple		M'fat		
	Kameleon	Orchestra	Manager	Karpate	Kareni	Kactus	Bluetime	Greenwich	Karioka	Mankato	Croft	Blueman	LG Aviator	Prophet	Bluetooth	Daytona	Vertix	LG Stallion	Kingfisher	Greenwood	Mantara	Rose	Sakura	Banshee	Octavia
Earliness of ripening	7	6	6	6	7	5	4	7	5	5	5	3	5	5	4	7	2	5	6	8	6	7	5	4	3
Straw length (cm)	79	84	85	84	79	82	93	82	89	85	90	89	79	79	6	81	5	86	87	73	66	79	84	81	82
Standing ability at harvest	6	6	6	6	7	7	6	6	6	6	6	7	6	6	6	6	6	7	7	5	6	5	6	7	7
Res to pea wilt (R1)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	-	R	S	R	R	R
Downey mildew	5	4	6	5	6	7	6	6	7	5	7	8	7	6	6	6	6	5	6	4	6	7	4	3	3
Powdery mildew	[S]	[S]	[MR]	[S]	[S]	[S]	[S]	[S]	[S]	[S]	[S]	[HR]	[HR]	[S]	[S]	[S]	[S]	[S]	[S]	[HR]	[S]	[S]	[S]	[S]	[S]
TSW	295	308	270	280	280	276	277	324	244	253	266	232	275	292	261	263	267	258	256	225	238	245	370	377	381
Protein (% dw)	21.9	21.5	22.5	22.1	22.6	21.3	21.2	22.4	22.3	22.1	20.5	22.7	22.0	21.4	22.7	21.5	22.7	22.0	21.1	20.6	21.9	24.6	23.2	22.4	23.1
UK Agent	Sen	LSPB	KWS	Sen	Sen	Sen	LSPB	LSPB	Sen	KWS	LSPB	LSPB	LUK	LUK		Agrii		LUK	LUK	IARA	LUK	Dalt	Dalt	Sen	IARA
Yr first listed	20	20	18	17	16	20	18	20	18	19	19	18	20	07	15	10	17	17	16	17	10	03	08	20	20

No longer listed

No longer listed

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Characteristics – **NEW** DL varieties

	White		Large Blue				M'fat
	Kaiman	Raider	Stroma	Greenway	Kiravi	Mikka	Akooma
Earliness of ripening	5	7	6	6	5	6	4
Straw length (cm)	86	77	85	91	86	90	86
Standing ability at harvest	7	7	6	6	7	6	4
Res to pea wilt (R1)	R	R	R	R	R	R	R
Downey mildew	6	6	5	6	5	7	5
Powdery mildew	[S]	[MR]	[S]	[S]	[S]	[S]	[S]
TSW	292	265	303	279	267	281	405
Protein (% dw)	21.5	22.0	21.2	22.1	21.7	22.1	23.2
UK Agent	Sen	IARA	LSPB	IARA	Sen	IARA	LSPB
Yr first listed	21	21	21	21	21	21	21

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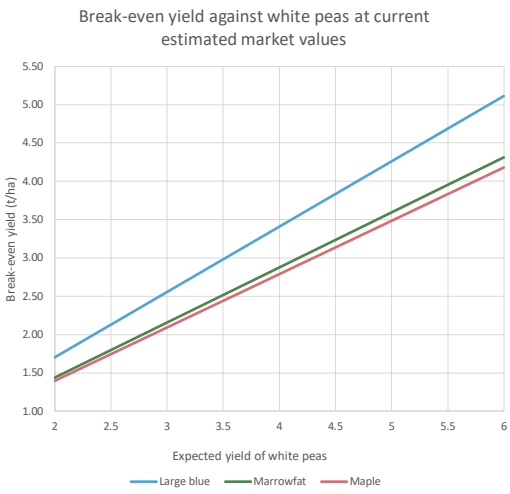
Yield/market value balance



Assumes premiums over feed as follows for produce making full spec*

- White split peas - £15-20
- Large blue - £60
- Marrowfat - £110

Does NOT account for additional growing costs associated with growing HC peas

* As quoted at 06/11/2020

Use pesticides safely, always read and adhere to label instructions

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Combining pea plan

Large Blue

- Daytona – good colour retention, early
- Blueman – but beware lateness
- Bluetime – but latish

White

- Kameleon – high yield potential, early
- Karpate
- Manager

Marrowfat

- Sakura – downy mildew needs watching but better than others
- Kabuki – similar growth habit to Princess, good colour retention

Maples

- Mantara

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