

2026/27

Vining Peas

VARIETY PORTFOLIO

Exceptional varieties
bred for Europe.



Unlocking the
power of plants



A partnership focussed on the processor and grower.

Our long-term partnership with US breeder Crites Seeds brings proven vining pea genetics to European growers. With a shared focus on the processing market, we offer high-performing varieties backed by strong agronomics, excellent quality and consistent yields.

Whether an established variety or one of the highly promising new-generation lines coming from Crites' research programme, each is trialled for their suitability to European conditions. And when backed by expert support, processors and growers are given the confidence to grow more, with less risk.

Rooted in the UK and trusted internationally.

At Elsoms, we are shaping the future of agriculture by unlocking the power of plants. From breeding and seed technology to supply and treatment, our specialist businesses combine advanced science with generations of expertise to deliver varieties that are trusted to perform.

We offer a joined-up approach that makes life easier for our customers. Knowledge flows across teams, innovation has purpose, decisions are made quickly and solutions are delivered with less complexity, to support our customers in what matters most: building resilient, productive businesses for the future.

Helping you grow more from less.

Our customers' needs are constantly evolving, and so are our solutions. Every variety we breed and every service we provide has resilience in mind, as we adapt to issues like climate change, margin management, regulatory shifts, and market fluctuations.

What remains consistent is our commitment to efficiency as we help growers meet today's challenges and plan for tomorrow's opportunities to grow more from less.

The home of superior vining pea seed.



For over 85 years, Crites has always focussed on a steadfast commitment to the propagation of superior seed. The company prides itself on its ability to expertly combine the science of plant breeding with a solid understanding of customers' needs. This produces a steady pipeline of new varieties, many of which are now specifically bred to perform in European conditions.

Wider availability throughout Europe.

In addition to seed quality, better service delivery and an expanded distribution capability are the key strengths brought by the partnership with Elsoms Seeds. With a focus on the ever-escalating demands of the processor, this important tie-up ensures Crites proven seed is far more readily available across European markets.



VARIETY SPECIFICATIONS: processing/freezer peas

Variety	Tomahawk	Caribou CS-504AF	Cameron	Ambler	Savannah	Douro CS-508AF	CS-552F	Arno CS-547F	CS-553AF	Valbona	Tajo CS-500F	Griffin	Eriden CS-464AF	Arga CS-513F	CS-514F	Logan	Horton CS-515AF	Naches*
Leaf type	Afila	Afila	Normal	Afila	Afila	Afila	Normal	Normal	Afila	Afila	Normal	Normal	Afila	Normal	Normal	Normal	Afila	Afila
Maturity	0	1	2	3	4	6	8	8	9	9	11	11	11	12	12	12	13	14
Heat units	685	690	720	740	750	770	795	820	820	820	835	840	850	855	855	870	880	825
Node to bloom	9	10	10	10	10	11	11	11	11	11	12	12	12	13	13	15	15	16
Plant height cm	50	70	45	50	55	50	65	60	55	55	60	60	65	60	65	75	60	50
Pods/Peduncle	2	2	2	2-4	2-3	2-3	2-3	2-3	2-3	Determinate	2-3	3	2-3	2-3	2-3	2-3	2	3
Peas/Pod	8	8	8	8	7-8	8	7-8	7-8	7-8	7-8	7-8	7	7-8	7-8	7-8	7-8	8-9	8-9
Sweetness	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	D Sweet-2wr	D Sweet-2wr	Normal	Normal	Normal	Normal	Normal	Normal	Normal
TR for % AIS=12	117	112	120	116	110	116	115	120	117	131	119	103	109	100	110	120	106	N/A
% AIS - TR 100	10.5	10.9	9.8	10.4	10.9	10.6	11.2	10	10	9.6	10.3	11.6	10.8	11.8	11	10.8	11.2	N/A
% AIS - TR 120	12.3	12.9	11.8	12.4	13	12.4	13.3	12	12.4	11.2	12.1	13.7	13.4	13.8	13	12.5	13.6	N/A

Disease resistance																		
Fop races	1	1	1	1	1	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2, 5	1, 2	1, 2, 5
Ep	-	-	-	-	-	IR	IR	-	IR	IR	IR	-	IR	IR	IR	IR	IR	IR
PEMV	-	IR	-	-	-	IR	IR	-	IR	IR	IR	-	IR	IR	IR	-	IR	IR
Pv	-	IR	-	-	-	IR	IR	-	IR	IR	IR	-	-	IR	IR	-	-	IR

Sieve size at 100 TR																		
Sieve Size Index	3.92	4.41	4.42	4.40	4.60	3.39	3.54	3.30	3.55	3.11	4.06	4.40	4.15	3.87	4.5	3.92	3.79	4.5
EF 5-7.5	6 13	7 6 10	5 7 9	3 7 12	4 7 11	7 14	9 18	10 20	10 13	14 18	7 10 16	6 8 10	6 10 15	2 5 38	5 7 11	8 12 16	10 13 18	5 6 10
TF 7.5-8.2	18	19	19	23	15	30	24	25	19	24	21	18	24	23	15	23	20	17
F 8.2-8.75	23				29		19	25	34	31	29	32	28	23	34	26	25	33
MF 8.75-9.3	26	32	40	35		36	19	25										
M 9.3-10.2					34	8 5	19	15	18	13 0				23		26	25	29
L >10.2	14	26	20	20			11	5	6		17	26	18	9	28	15	14	

The information listed above is based on crops grown under normal conditions in Europe.

Definition of reactions to diseases according to ISF rules adopted in 2022:

High Resistance (HR): the ability of a plant variety to restrict the growth and/or development of the specified pest, and/or the symptoms and/or damage it causes, to a high degree.

Intermediate Resistance (IR): the ability of a plant variety to restrict the growth and/or development of the specified pest, and/or the symptoms and/or damage it causes, to a moderate degree

Resistances:

Fop: Fusarium oxysporum f.sp. Pisi races 1, 2, 5, 6

Ep: Powdery mildew (Erysiphe pisi)

PEMV: Pea enation mosaic virus

Pv: Peronospora viciae

* Only available in the UK

Caribou
CS-504AF



Early and robust

- Good vegetation even in difficult weather conditions
- Vigorous plant for an early planting
- Excellent standability, makes the variety easy to harvest and produces healthy peas
- PEMV tolerance lowers the need for insecticides
- High resilience to Downy Mildew makes the difference in this early variety



Plant characteristics

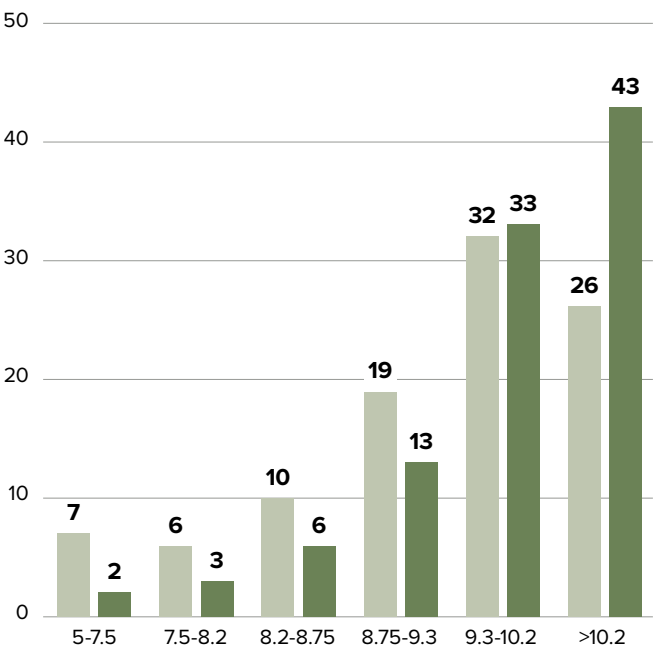
Leaf type	Afila
Maturity (+/-) Avola	1
Node to first bloom	10
Plant height cm	70
Pods/Peduncle	2
Peas/Pod	8
Sweetness	Normal

Disease resistance

Fop races	1
Ep	-
PEMV	IR
Pv	IR

Sieve size

100	120
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Sieve size distribution Index 100	4.41
Sieve size distribution Index 120	5.01

TR for % AIS = 12	112
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TR	AIS %
100	10.9
120	12.9

Douro
CS-508AF



Quality and resistances

- Well-rounded and versatile variety in its market segment
- Double sweet genetics ensure excellent quality
- High TR peas with low starch content, extends the harvesting window
- High tolerance to the more common diseases in Europe
- Well adapted to the more restrictive chemical residue policies



Plant characteristics

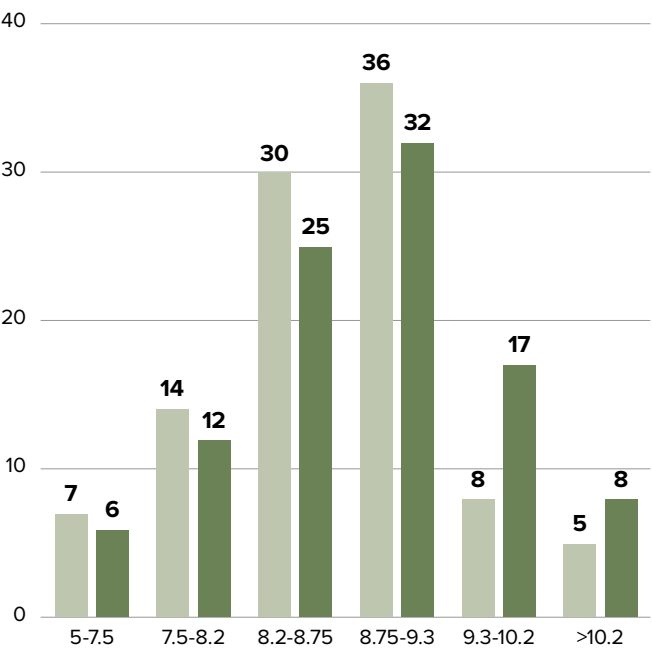
Leaf type	Afila
Maturity (+/-) Avola	6
Node to first bloom	11
Plant height cm	50
Pods/Peduncle	2-3
Peas/Pod	8
Sweetness	Normal

Disease resistance

Fop races	1, 2
Ep	IR
PEMV	IR
Pv	IR

Sieve size

100	120
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Sieve size distribution Index 100	3.39
Sieve size distribution Index 120	3.66

TR for % AIS = 12	116
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TR	AIS %
100	10.6
120	12.4

Eriden
CS-464AF



Afila with strong
yield potential

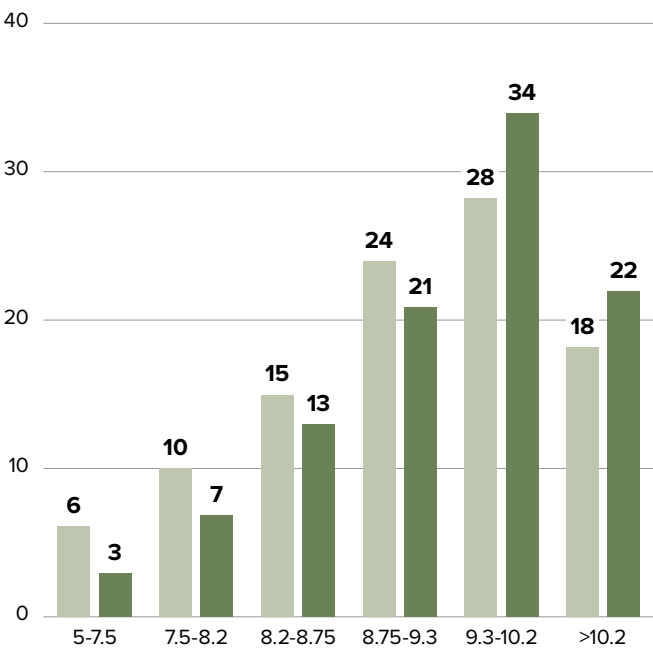
- Vigorous plant, fast vegetation growth
- Bred to provide large yields in a range of conditions
- Solid plant, able to accept extreme temperatures
- Disease tolerance is in its DNA. PEMV is a growing problem, but not for CS-464AF.
- Low input peas, Eriden's plant habit reduces need for water and nutrients.



Plant characteristics	
Leaf type	Afila
Maturity (+/-) Avola	11
Node to first bloom	12
Plant height cm	65
Pods/Peduncle	2-3
Peas/Pod	7-8
Sweetness	Normal

Disease resistance	
Fop races	1, 2
Ep	IR
PEMV	IR
Pv	-

Sieve size	
100	120



Sieve size distribution Index 100	4.15
Sieve size distribution Index 120	4.42

TR for % AIS = 12	109
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TR	AIS %
100	10.8
120	13.4

Arga
CS-513F



Promising robust
leafy variety

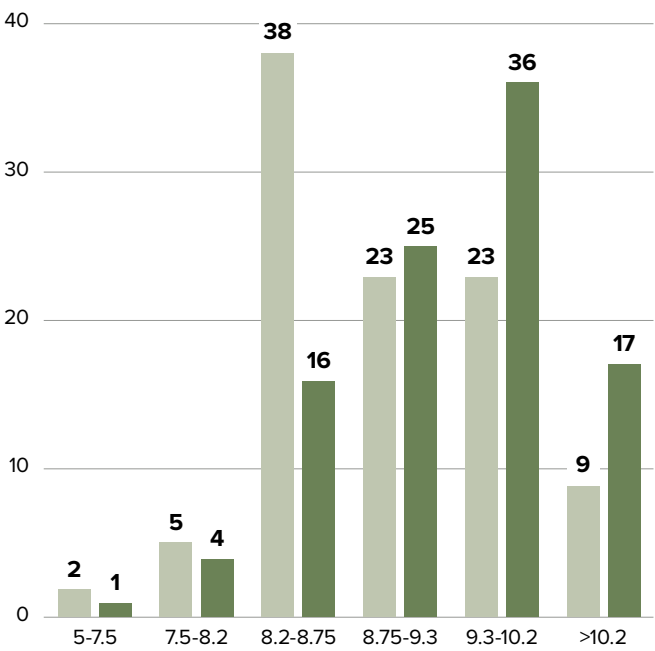
- New strong leafy variety, in the main season
- Good combination of quality and yield
- Attractive dark green plant with pods on top and easy to harvest
- Healthy plant that is triple resistant, easy to grow for farmers, and easy to manage for factories
- Mediterranean and continental conditions are its natural environments



Plant characteristics	
Leaf type	Normal
Maturity (+/-) Avola	12
Node to first bloom	13
Plant height cm	60
Pods/Peduncle	2-3
Peas/Pod	7-8
Sweetness	Normal

Disease resistance	
Fop races	1, 2
Ep	IR
PEMV	IR
Pv	IR

Sieve size	
100	120



Sieve size distribution Index 100	3.87
Sieve size distribution Index 120	4.39

TR for % AIS = 12	100
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TR	AIS %
100	11.8
120	13.8

VARIETY SPECIFICATIONS: canning/freezing

Variety	CS-529F	Scarpe CS-537F	Welland	CS-572F	CS-533F	CS-522AF
Leaf type	Normal	Normal	Afila	Normal	Normal	Afila
Maturity	2	10	11	12	12	12
Node to bloom	10	13	13	14	14	14
Plant height cm	50	65	75	65	65	75
Pods/Peduncle	3-4	3-4	2-3	3-4	3-4	3-4
Peas/Pod	8-9	8-9	6-8	8-9	8-9	8-9
Sweetness	Normal	Normal	Normal	Normal	Normal	Normal
TR for % AIS=12	113	94	103	95	119	110
% AIS - TR 120	10.5	15	11.7	13.7	11.2	11.3
% AIS - TR 140	12.8	17.4	13.8	15	12.9	13
Disease resistance						
Fop races	1	1, 2	1, 2	1, 2	1, 2	2
Ep	-	IR	IR	IR	IR	IR
PEMV	IR	-	IR	IR	IR	IR
Pv	IR	-	-	-	IR	-
Sieve size: 120 left, 140 right						
Sieve Size Index 120	2.75	1.9	3.52*	1.9	2.25	2.65
Sieve Size Index 140	3	2	3.8*	2	2.55	2.85
XF 5-7.5	2015	4035	127 1612	4035	2515	2015
TF 7.5-8.2	2520		1919		3535	2525
F 8.2-8.75	2530	3540	2328	3540	4030	3030
M 8.75-9.3	2020		2124		2020	2020
L 9.3-10.2	1015	2015 5050	910	2015 5050	1520 00	2010 510

* Welland sieve size 100 left, 120 right.

The information listed above is based on crops grown under normal conditions in Europe.

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Resistances:

Fop: Fusarium oxysporum f.sp. Pisi races 1, 2, 5, 6

Ep: Powdery mildew (Erysiphe pisi)

PEMV: Pea enation mosaic virus

Pv: Peronospora viciae



“We offer high-performing varieties backed by strong agronomics, excellent quality and consistent yields.”

CS-529F

Small and strong



- Small calibre pods on a strong plant
- Excellent disease resistance for an early variety, with tolerance to downy mildew
- Excellent seed quality for early emergence
- Robust yield capacity
- Easy to harvest



Plant characteristics

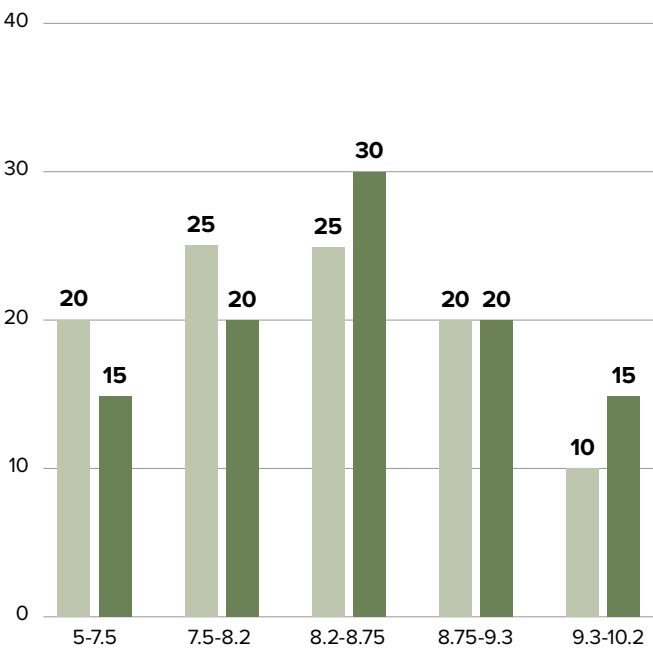
Leaf type	Normal
Maturity (+/-) Avola	2
Node to first bloom	10
Plant height cm	50
Pods/ Peduncle	3-4
Peas/ Pod	8-9
Sweetness	Normal

Disease resistance

Fop races	1
Ep	-
PEMV	IR
Pv	IR

Sieve size

120	140
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Sieve size distribution Index 120	2.75
Sieve size distribution Index 140	3

TR for % AIS = 12	113
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TR	AIS %
120	10.5
140	12.8

CS-572F

Late-maturing and robust



- Late-maturing normal-leaf
- Extra-fine calibre with good eating quality
- Robust plant with strong root system
- Strong emergence from good seed producibility
- Easy-opening pods help reduce field and factory losses



Plant characteristics

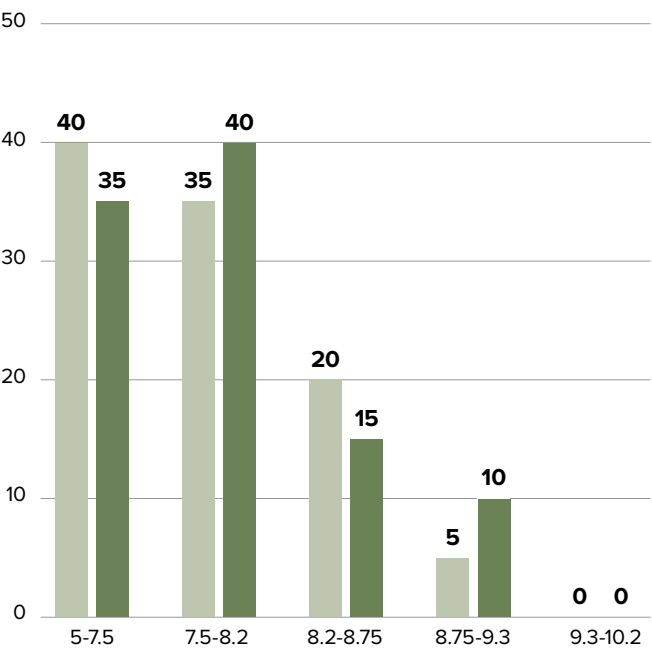
Leaf type	Normal
Maturity (+/-) Avola	12
Node to first bloom	14
Plant height cm	65
Pods/ Peduncle	3-4
Peas/ Pod	8-9
Sweetness	Normal

Disease resistance

Fop races	1, 2
Ep	IR
PEMV	IR
Pv	IR

Sieve size

120	140
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Sieve size distribution Index 120	1.9
Sieve size distribution Index 140	2

TR for % AIS = 12	95
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TR	AIS %
120	13.7
140	15

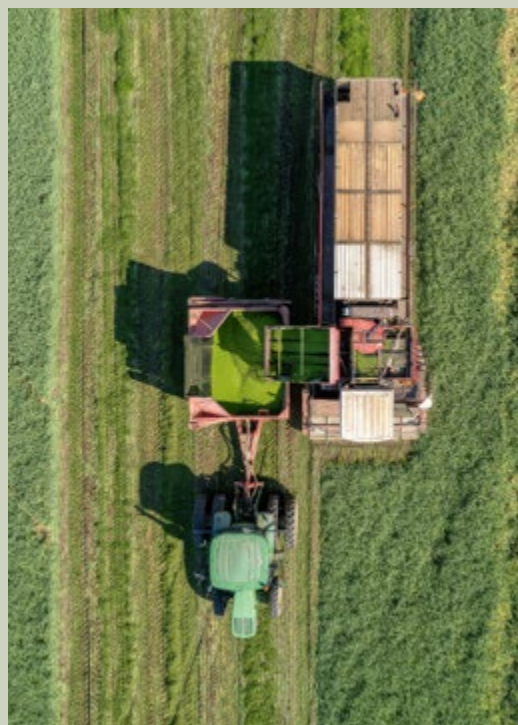
Our operations across Europe

The size and scale of our operation stretches the length and breadth of the continent.

Processors and growers in more than 35 countries can rely on us to deliver the highest quality seed, and advise to suit their specific growing conditions.

Elsoms' expert team, market by market, is shown here.

Please feel free to talk to the contact relevant to you. They'll be happy to share their knowledge and advice on our varieties relevant to your market place.



Sub-licensing and distribution agreements

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Estonia



Finland



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Turkey

Other markets



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Unlocking the
power of plants