

strube



The Seed. Est. 1877



**Vining
Peas
2023**

Bred by Crites...



The vining peas distributed by Strube are bred by Crites. The company is well known for its extensive breeding program in vining peas.

In 1933 the company was founded in the USA by Willis Crites. From Idaho, Crites developed to a specialist for vining peas, bush beans and sweet corn.

Alexis Plouy (Crites international Breeder) and Jeff Safe (Local breeder for USA), both have more than 50 years of pea breeding experience. Both lead the breeding aspects of the ambitious Crites's growth strategy.

It is our mission to improve the yield, quality and disease tolerance in our varieties. Increased yield and less application of chemicals allow our customers to reduce their costs. The only way to control diseases

without chemical is the genetic resistance, and the breeding allows us to bring resistance into varieties by crossing and selection.

Crites breeding is based on a combination of molecular marker work and field selection.

To improve the present varieties, we have to stay ahead. This is why we are trialing all over the globe: from New Zealand and Europa to the USA. Working in this way, we collect results from many different environmental conditions in one year.



critesseed.com

...produced by Strube

In a time of scarce resources, rapid technological advancement and increasing ethical and economical requirements, we believe that our plant breeding makes a significant contribution to ensuring the global food supply.

Our new company structure makes us even stronger than in the past. We are a globally active company characterised by innovation, high standards in research and development and comprehensive quality awareness. As plant breeders, we supply farmers and the processing industry with quality seeds, varieties adapted to the respective region and sustainable cultivation solutions.

Our products are known for their high return, stability and quality. We focus on seed quality since we know that good seed is a major part of the foundation for a good crop harvest.

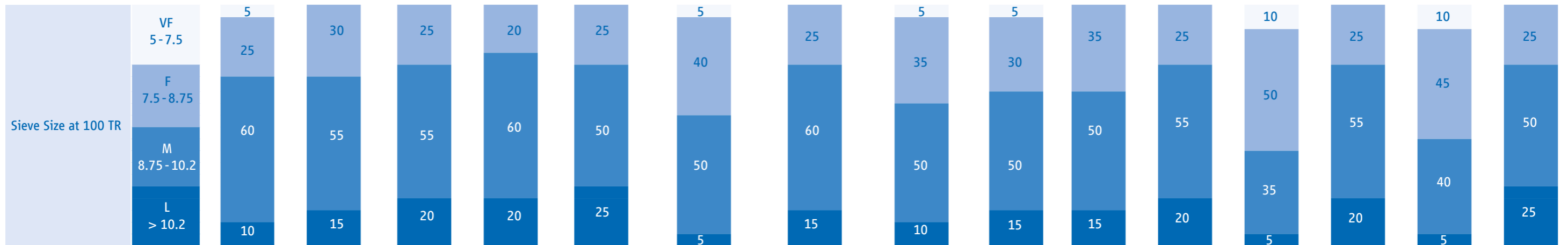


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Green Pea Specifications Processing / Freezer Peas

Variety		Tomahawk	Cameron (CS-499F)	Span	Ambler (CS-455AF)	Savannah	CS-494DAF	Simcoe (CS-452F)	CS-500F	Madison (CS-426AF)	Hudson	CS-464AF	Welland	Logan	CS-498AF	Naches
Leaf type		Afila	Normal	Normal	Afila	Afila	Det - Afila	Normal	Normal	Afila	Normal	Afila	Afila	Normal	Afila	Afila
Maturity (+/-) Avola		0	2	2	3	4	9	9	10	10	11	11	11	12	12	14
Heat Units to TR-100		685	720	725	740	750	820	830	835	840	845	845	850	870	870	910
Node to First Bloom		9	10	10	10	10	11	12	13	14	14	14	16 - 17	14 - 15	15 - 16	16
Plant Height (cm)		45	55	45	50	55	55	55	60	65	60	70	75	70	75	55
Pods/Peduncle		2	2	2	2 - 3 - 4	2 - 3	Determinate	2 - 3	3	2 - 3	2	3	2 - 3 - 4	2 - 3	2 - 3 - 4	3
Peas/Pod		8	8	8	8	7 - 8	7 - 8	7 - 8	7 - 8	8 - 9	9 - 10	7 - 8	8	8 - 9	7 - 8	8 - 9
Sweetness		Normal	Normal	Normal	Normal	Normal	Double Sweet (2wr)	Normal	Double Sweet (2wr)	Normal	Normal	Normal	Normal	Normal	Normal	Normal
Disease Resistance	Fop races	1	1	1	1	1	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
	PEMV						IR	IR	IR	IR	IR	IR	IR		IR	
	Pv						IR		IR							



Resistances:
 Fusarium oxysporum f.sp. Pisi races 1, 2, 5, 6
 Ep: Powdery mildew (Erysiphe pisi)
 PEMV: Pea enation mosaic virus
 Pv: Peronospora viciae

Definition of reactions to diseases according to ISF rules adopted in 2012

High resistance (HR*): Plant varieties that highly restrict the growth and development of the specified pest under normal pest pressure compared to susceptible varieties. However, these plant varieties may exhibit some symptoms or damage under heavy pest pressure.

Intermediate resistance (IR*): Plant varieties that restrict the growth and development of the specified pest but may exhibit a greater range of symptoms or damage compared to high resistant varieties. Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest pressure.

Detailed Variety Descriptions

Tomahawk

First early, afila leaf

- Determinate first early afila variety with good standing ability.
- Double pods with 8 uniform medium sieve peas with low-medium AIS and good colour.
- Reliable yields and performance across humid to semi-arid areas.
- Good field performance against diseases.

Ambler CS-455AF

Second early, afila leaf

- Second early afila well adapted to early sowing.
- Robust plant, well balanced, performs well across different environments.
- Strong root system, able to tolerate high pressure of root diseases.
- Pods in the top, easy to harvest. Good quality peas.

Cameron CS-499F

Second early, normal leaf

- Second early normal leaved variety with good architecture.
- Double pods with 8 uniform medium-large sieve peas with low-medium AIS.
- Well established good yielding variety for semi-arid to arid conditions.
- Keeps yield and produces quality in dry growing conditions.
- Medium size produce of low to medium AIS level

CS-494DAF

Mid season , determinate afila

- Brand new determinated variety, with excellent results all over the world, bred for high quality peas.
- Double sweet variety allow processors to harvest higher TR crops with Excellent AIS.
- Excellent diseases tolerance adapted to the more strict phytosanitary restrictions.
- Concentrated set on the top of the plants, makes harvesting easier and faster.

Madison CS-426AF

Main season, afila leaf

- High yielding well balanced impressive afila plant for main crops.
- 2-3 pods per node with 7-8 medium-large peas concentrated in the top and easy to harvest.
- Good field tolerance to leaf and root diseases. Resistance to powdery mildew and PEMV.
- Produce uniform peas in shape and colour with medium AIS levels.

CS-500F

Mid season, normal leaf

- New leafy variety with excellent trial performance all over Europe.
- Full disease resistance package including PEMV, Ep and Pv with high tolerance to root rot.
- Good plant structure, well determined plant, pod in the top with homogeneous colour.
- Double sweet peas for a high quality product.

Logan

Main season, normal leaf

- Attractive main season normal leaved variety.
- Triple pods with 8 uniform medium sieve peas with low-medium AIS and good colour.
- Good root system, able to be grown under high pressure of root diseases, mainly for semi-arid to arid conditions.
- Easy to manage with or without irrigation.

Welland

Main season, afila leaf

- "Petit Garden" pea variety in the later main crop segment.
- Mostly triple pods with 8 uniform small sieve peas with good colour.
- Good disease resistance package against root and foliage diseases including powdery mildew and PEMV.
- Medium to tall strong plant, with healthy root and good harvest ability.

Service and consultation

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