

Leek

nunhems[®]

 **BASF**
We create chemistry



Leek Solutions for all segments!

Growing together

BASF has been working closely with leek producers around the world for more than 30 years. We have developed an outstanding basis for very high-quality hybrid leek breeding. Plus, we have established one of the world's most highly specialized leek teams. While you grow and develop your business, we are there for you, working with you.

Close ties and trust are the foundation of every partnership. BASF can count on committed leek specialists who offer you high-quality leek varieties from a portfolio that covers all cultivation periods. With our genetic expertise and our comprehensive services, we can offer you attractive added value along the entire supply chain.

"We grow together in the leek sector." Ranging from leek for prepack, fresh market, industry, organic or convention cultivated leek, leek for soup packs, meal packs or sale per piece... it is our mission to offer the best genetics and services for your markets.

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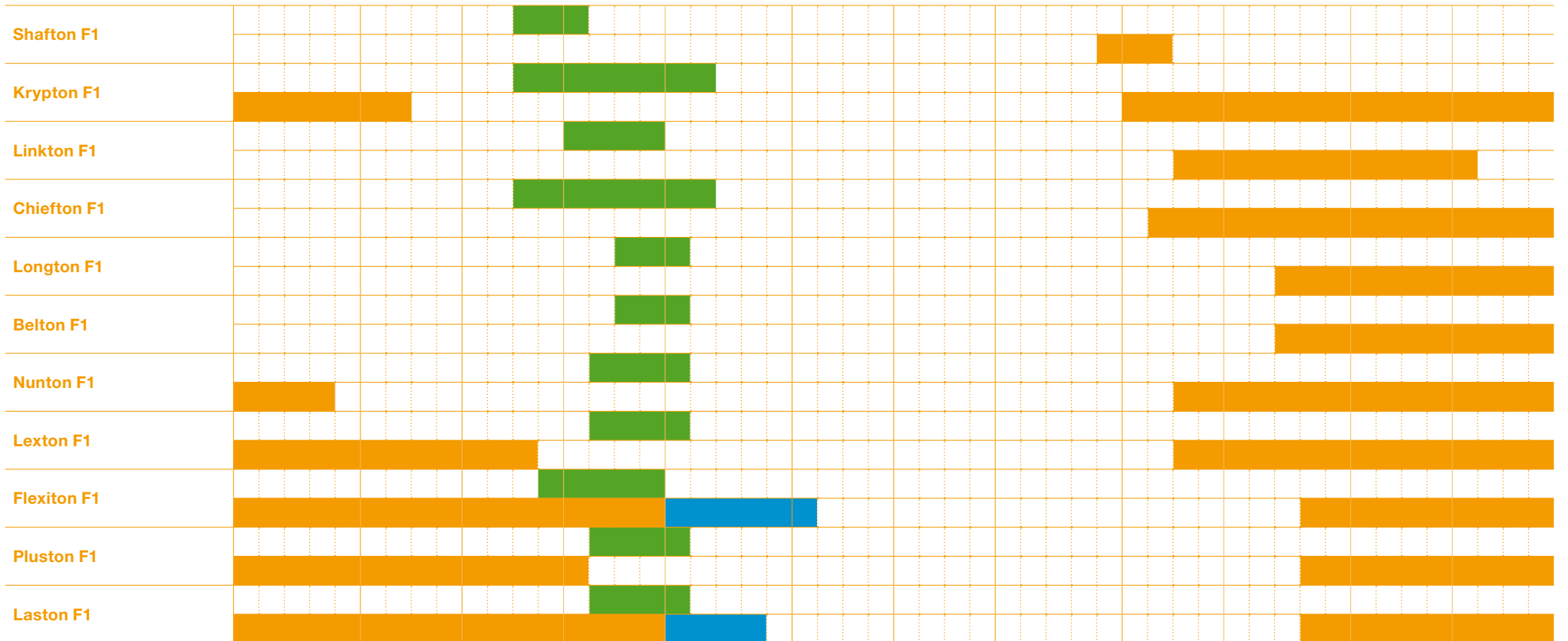
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Growing Recommendation & Assortment Overview

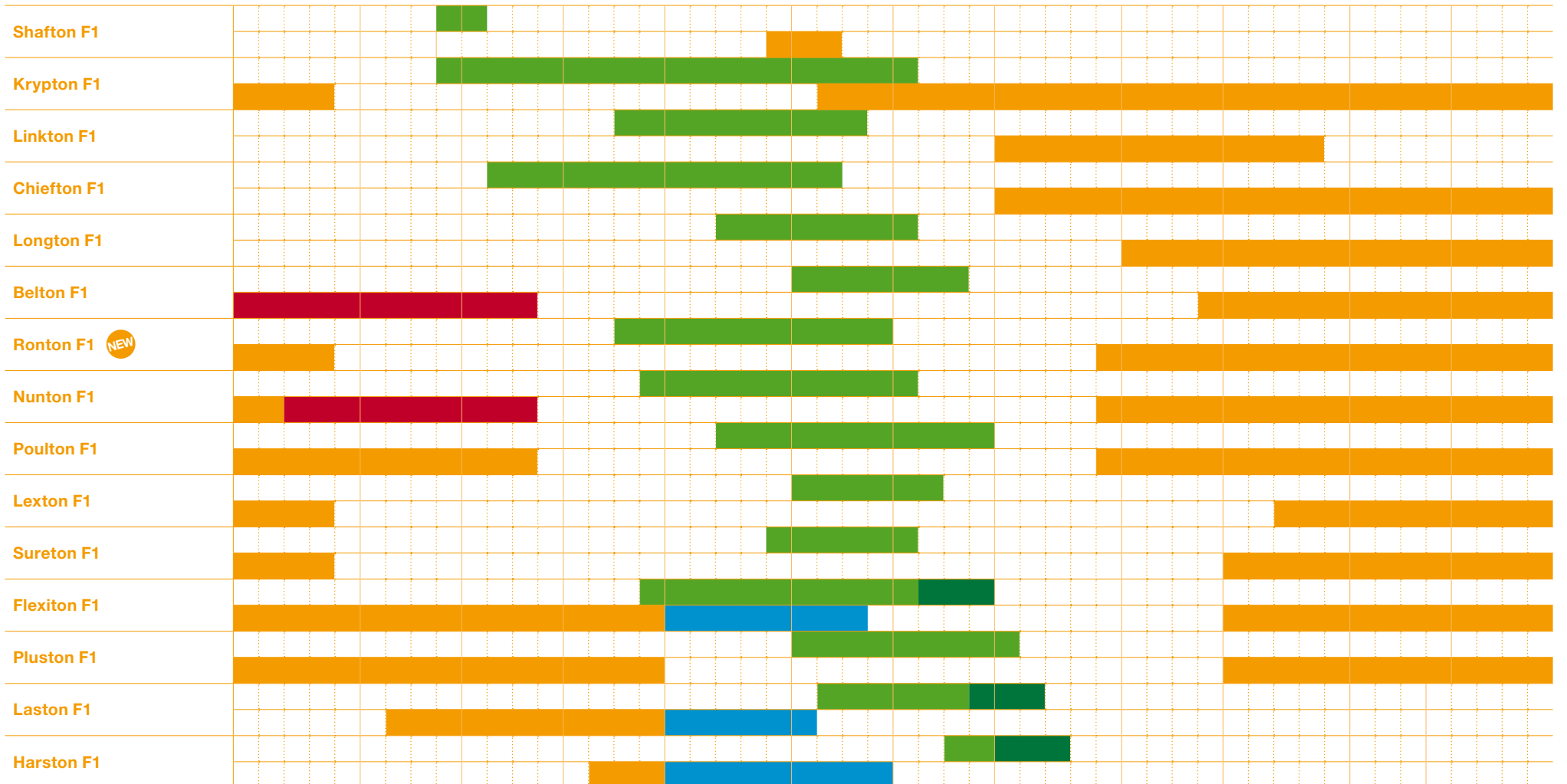
■ Sowing ■ Harvest period ■ Leek out of cold store																																																											
January					February					March					April					May					June					July					August					September					October					November					December				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52								

Cultivation Calendar for Direct Sowing
































































	January					February					March					April					May					June					July					August					September					October					November					December				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52								

Cultivation Calendar for Planting



Leek Assortment Overview

	Type	Earliness	Leaf Color	Plant Type	Shaft Length	Resistances				
						Pa	Ap	Tt	Psp	Pp
Shafton F1	   	9	5	7	7	IR	IR		IR	
Krypton F1	   	8	6	7	6				IR	
Linkton F1	   	8	6	7	8	IR	IR		IR	
Chiefton F1	   	7	7	8	8		IR		IR	
Longton F1	   	7	8	8	8		IR	IR	IR	
Belton F1	   	6	7	7	7	IR	IR		IR	IR
Ronton F1 	   	6	7	8	7	IR	IR	IR	IR	IR
Nunton F1	   	6	8	7	6	IR	IR	IR	IR	IR
Poulton F1	   	6	8	6	5		IR			IR
Lexton F1	   	6	8	8	8		IR		IR	
Sureton F1	   	5,5	8,5	7	5		IR		IR	
Flexiton F1	   	5	8	8	6	IR	IR	IR	IR	IR
Pluston F1	   	6	8	7	6		IR	IR	IR	IR
Laston F1	   	5	9	8	6	IR	IR	IR	IR	
Harston F1	   	5	8	7	5				IR	

Slow Gowing	1	Earliness	10	Fast Growing
Light Green	1	Leaf Color	10	Dark Green
Less Erect	1	Plant Type	10	Upright
Short	1	Shaft Length	10	Long

IR: Intermediate Resistance | Pa: *Puccinia allii* | Ap: *Alternaria porri* | Tt : *Thrips tabaci* | Psp: *Pseudomonas syringae pv. porri* | Pp: *Phytophthora porri*

 Fresh Market  Industry  Prepack  Organic

Spring / Summer Leek Varieties

SHAFTON F1



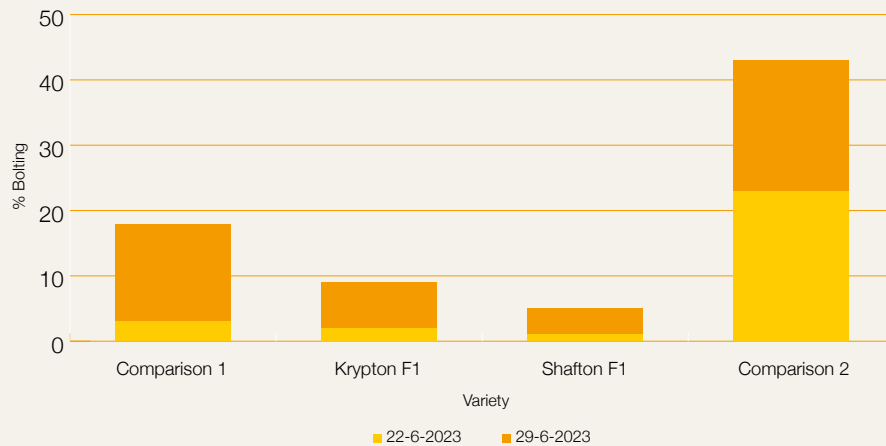
Certainty at the start of the season

- Early variety for the kick-off of your cultivation season
- High yield because of the long shaft
- Very fast variety with good tolerance to bolting

Cultivation period	Spring / Summer
Use	Fresh Market, Industry, Prepack
Shaft length	Medium to long depending the harvest moment
Direct sowing	20.03 – 15.04
Harvest	01.09 – 20.09
Planting	01.03 – 15.03
Harvest	20.05 – 20.06
IR	Pa, Ap, Psp

Bolting resistance Shafton: Security at the start of your season

Bolting test: breeding field 2023



IR: Intermediate Resistance | Pa: *Puccinia allii* | Ap: *Alternaria porri* | Tt : *Thrips tabaci* | Psp: *Pseudomonas syringae pv. porri* | Pp: *Phytophthora porri*

Fresh Market Industry Prepack Organic



Summer / Autumn Leek Varieties

KRYPTON F1



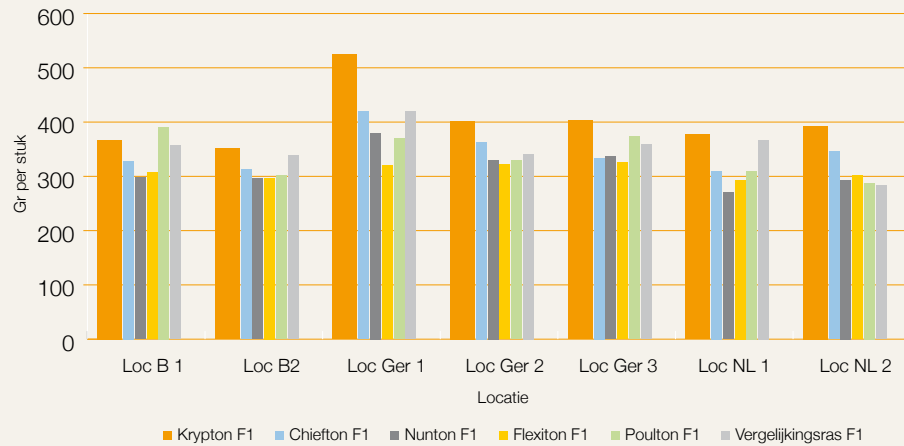
Maximize your profit!

- Standard in leek cultivation
- Highest yielding variety in our range
- Very high cleaning ability

Cultivation period	Summer / Autumn
Use	Fresh Market, Industry, Prepack, Organic
Shaft length	Short to long, depending on harvesting moment
Direct sowing	20.03 – 10.05
Harvest	05.09 – 20.02
Planting	01.03 – 10.07
Harvest	15.06 – 01.02
IR	Psp

Krypton: the most grown, high yielding variety

Oct-Nov harvest 2022 : Weight by Piece, by variety, by location.



IR: Intermediate Resistance | Pa: *Puccinia allii* | Ap: *Alternaria porri* | Tt : *Thrips tabaci* |

Psp: *Pseudomonas syringae pv. porri* | Pp: *Phytophthora porri* 🌱 Fresh Market 🌱 Industry 🌱 Prepack 🌱 Organic



LINKTON F1



Long-shaft summer variety

- Early variety
- Long shaft without oversize
- Stable shaft makes it ideal for processing

Cultivation period	Summer / Autumn
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Use	Industry, Prepack
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Shaft length	Long
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Direct sowing	05.04 – 30.04
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Harvest	15.09 – 10.12
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Planting	15.04 – 01.07
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Harvest	01.08 – 01.11
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IR	Pa, Ap, Psp
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CHIEFTON F1



Uniformity in shaft length and diameter

- High bolting resistance
- Solid shaft ideal for processing
- Upright, dark leaves that keep color
- Sales by piece

Cultivation period	Summer / Autumn
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Use	Fresh Market, Industry, Prepack, Organic
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Shaft length	Long
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Direct sowing	20.03 – 10.05
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Harvest	10.09 – 01.01
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Planting	15.03 – 01.07
----------	---------------

Harvest	01.08 – 20.11
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IR	Ap, Psp
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IR: Intermediate Resistance | Pa: *Puccinia allii* | Ap: *Alternaria porri* | Tt: *Thrips tabaci* | Psp: *Pseudomonas syringae pv. porri* | Pp: *Phytophthora porri*

Fresh Market Industry Prepack Organic



Autumn Leek Varieties

LONGTON F1



Standard variety for processing and as prepack

- Variety with long, stable shaft without oversize
- Easy to clean
- Sales by piece
- Strong against thrips

Cultivation period	Autumn
Use	Fresh Market, Industry, Prepack
Shaft length	Long
Direct sowing	15.04 – 10.05
Harvest	15.10 – 01.01
Planting	15.05 – 15.07
Harvest	10.09 – 01.01
IR	Ap, Tt, Psp

BELTON F1



Its robustness makes Belton the autumn standard for the organic market

- This variety has the highest Intermediate Resistance against rust
- Very strong against Alternaria

Cultivation period	Autumn
Use	Fresh Market, Industry, Organic
Shaft length	Long
Direct sowing	15.04 – 10.05
Harvest	15.10 – 01.01
Planting	15.06 – 25.07
Harvest	25.09 – 25.03
IR	Pa, Ap, Psp, Pp

RONTON F1



Long autumn variety with complete resistances

- Very good disease and trips resistance
- Nice upright dark leaves
- Good bolting resistance
- Solid shaft
- Strong against thrips

Cultivation period	Autumn
Use	Fresh Market, Prepack
Shaft length	Long
Direct sowing	01.04 – 10.05
Harvest	01.10 – 01.01
Planting	15.04 – 10.07
Harvest	01.09 – 01.01
IR	Pa, Ap, Tt, Psp, Pp

NUNTON F1



Tailor made for the higher quality segment

- Very attractive presentation due to dark, upright leaves and uniform shaft
- Efficient harvesting and cleaning
- Very homogeneous
- Ideal for sale by piece
- Strong against thrips

Cultivation period	Autumn
Use	Fresh Market, Organic
Shaft length	Medium
Direct sowing	10.04 – 10.05
Harvest	20.09 – 01.02
Planting	25.04 – 10.07
Harvest	01.09 – 25.03
IR	Pa, Ap, Tt, Psp, Pp

IR: Intermediate Resistance | Pa: *Puccinia allii* | Ap: *Alternaria porri* | Tt: *Thrips tabaci* | Psp: *Pseudomonas syringae pv. porri* | Pp: *Phytophthora porri*

Fresh Market Industry Prepack Organic



Autumn / Winter Leek Varieties

POULTON F1



Proven variety for flexibility in your harvest window

- Leaves keep dark color and shelf life through the season
- Short shaft remains during growing season
- This high-yielding autumn variety has proven itself over many years

Cultivation period	Autumn / Winter
Use	Fresh Market
Shaft length	Short
Planting	15.05 – 01.08
Harvest	01.09 – 25.03
IR	Ap, Pp

LEXTON F1



Long-shaft autumn variety

- Compact shaft and leaves
- Efficient variety for cold storage
- Long harvesting window

Cultivation period	Autumn / Winter
Use	Fresh Market, Prepack
Shaft length	Long
Direct sowing	10.04 – 10.05
Harvest	20.09 – 01.04
Planting	05.06 – 20.07
Harvest	15.10 – 01.02
IR	Ap, Psp

SURETON F1



Efficiency in growing and cleaning for autumn and early winter

- Good uniformity, ideal for sale by piece
- Strong leaves without delamination
- Easy to clean

Cultivation period	Autumn / Winter
Use	Fresh Market
Shaft length	Short
Planting	01.06 – 15.07
Harvest	01.10 – 01.02
IR	Ap, Psp

IR: Intermediate Resistance | Pa: *Puccinia allii* | Ap: *Alternaria porri* | Tt : *Thrips tabaci* | Psp: *Pseudomonas syringae pv. porri* | Pp: *Phytophthora porri*

Fresh Market Industry Prepack Organic

FLEXITON F1



Uniform quality leek with the best cleanability

- Very homogeneous, ideal for sale by piece
- Variety with an extremely good clean-ability
- Very good resistance to diseases
- The variety with the longest harvesting window
- Bolt-resistant variety
- Suitable for long cold storage

Cultivation period Autumn / Winter

Use Fresh Market

Shaft length Medium

Direct sowing 01.04 – 01.05

Harvest 25.10 – 25.04

Planting 25.04 – 30.07

Harvest 01.10 – 25.04

IR Pa, Ap, Tt, Psp, Pp

PLUSTON F1



Security during winter

- Very winter hard variety
- Strongest against phytophthora
- Very strong against thrips
- Very good regrowth after transplanting
- Yield is guaranteed

Cultivation period Late Autumn / Winter

Use Fresh Market, Industry, Organic

Shaft length Long

Direct sowing 10.04 – 10.05

Harvest 25.10 – 15.04

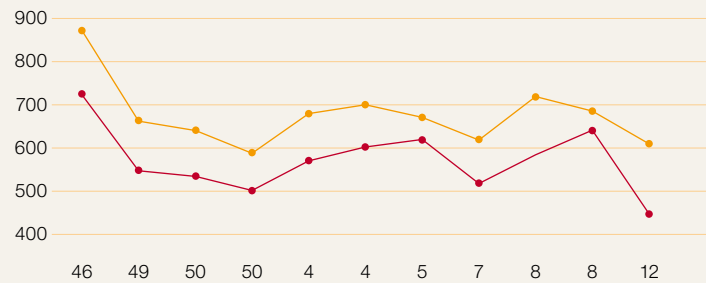
Planting 10.06 – 10.08

Harvest 01.10 – 15.04

IR Ap, Tt, Psp, Pp

Super-fast cleaning? Choose Flexiton!

Cleanability / trial harvest week pieces/pers/h

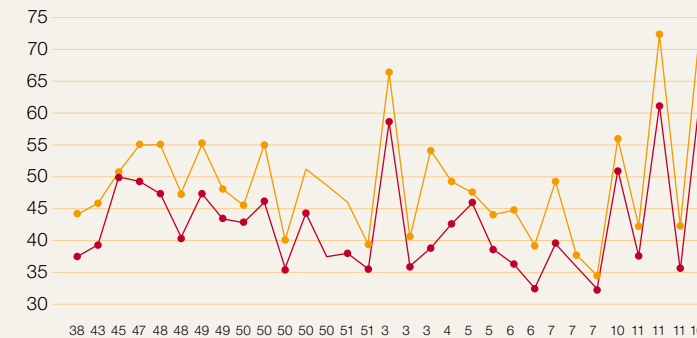


Based on trial data from Nunhems cleaning line, 11 trials, 2 countries, 2 years

Flexiton cleans 100 pieces/h faster

Top yields? Choose Pluston!

Tonnes per ha harvest week / locations



Data from Nunhems trials 31 locations, 4 countries, 3 years

Pluston 6 tonnes extra per ha

IR: Intermediate Resistance | Pa: *Puccinia allii* | Ap: *Alternaria porri* | Tt : *Thrips tabaci* | Psp: *Pseudomonas syringae pv. porri* | Pp: *Phytophthora porri*

Fresh Market Industry Prepack Organic

A close-up photograph of a field of leek plants. The leeks have long, dark green, wavy leaves with prominent white veins. The plants are densely packed and fill the entire frame. The lighting is soft, creating a slightly hazy atmosphere. Overlaid on the center of the image is the text "Winter / Spring Leek Varieties" in a clean, white, sans-serif font.

Winter / Spring Leek Varieties

LASTON F1



Variety with good bolting resistance at the end of the season

- Very good resistance to disease and thrips
- Easy to clean
- Upright, dark leaves that keep color
- Variety strong against thrips

Cultivation period	Winter / Spring
Use	Fresh Market, Organic
Shaft length	Long
Direct sowing	10.04 – 10.05
Harvest	25.10 – 25.04
Planting	10.06 – 10.08
Harvest	15.02 – 25.04
IR	Pa, Ap, Tt, Psp

HARSTON F1





Proven variety for cool room storage

- Winter variety for the end of the season
- Suitable for long cold storage
- Bolt-resistant variety

Cultivation period	Winter / Spring
Use	Fresh Market
Shaft length	Short
Planting	15.07 – 15.08
Harvest	15.04 - 01.05
IR	Psp

IR: Intermediate Resistance | Pa: *Puccinia allii* | Ap: *Alternaria porri* | Tt : *Thrips tabaci* |

Psp: *Pseudomonas syringae* pv. *porri* | Pp: *Phytophthora porri*  Fresh Market  Industry  Prepack  Organic

Laston organic leek cultivation

location The Netherlands Egchel

14 April 2023





Contact

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Note on cultivation practices

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Product illustrations

All varieties shown were grown under favorable conditions. Identical results in all cultivation conditions are neither guaranteed nor presumed.

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* In the application for inclusion in the EU list of vegetable varieties.

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BASF

We create chemistry

BASF's vegetable seeds business

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