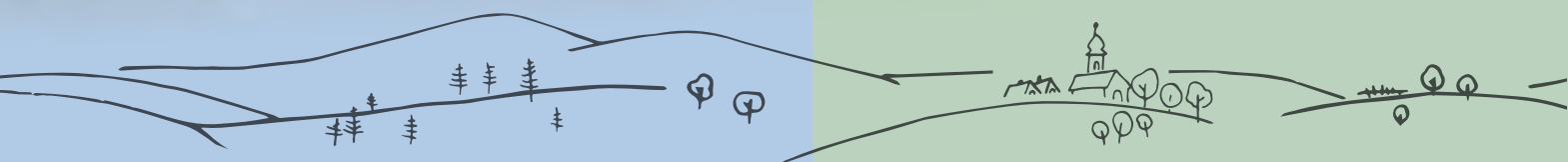


We breed for you



PRODUCT CATALOGUE



www.selgen.cz

CZECH REPUBLIC

- PRAGUE -



CZECH REPUBLIC

Area: 78 866 km² (67 % of area at an altitude below 500 m, 32 % 500 – 1000 m above sea level and about 1 % at an altitude higher than 1000 m, the average altitude is 430 m above sea level).

State borders: 761.8 km with Poland, 810.3 km with Germany, 466.3 km with Austria and 251.8 km with Slovakia.

Annual average temperature: 9 °C (July 19 °C, January - 0,9 °C)

Annual precipitation: 500 – 700 mm

CONTENT

SPRING WHEAT	7 31	WINTER WHEAT
SPRING BARLEY	15 29	WINTER BARLEY
PROTEIN PEA	16	
FIELD BEAN	21	
OATS	22	
RED CLOVER	24	
POPPY SEED	25	
WHITE MUSTARD	26	
SPRING FORAGE PEA	27 42	WINTER FORAGE PEA
	40	WINTER COMMON VETCH
	41	WINTER RAPE
	43	CRIMSON CLOVER

GREETINGS FROM PRAGUE

SELGEN'S BREEDING AND TESTING STATIONS, TESTING LOCATION



 BREEDING STATIONS

 TESTING STATIONS

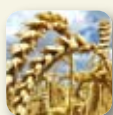
 TESTING LOCATIONS

COMPANY HEADQUARTERS

SELGEN, a. s.
KOLODEŽSKÁ 24, 250 84 SIBŘINA
TEL. +420 702 251 092
e-mail: selgen@selgen.cz
www.selgen.cz

- 1 BREEDING STATION **Stupice**
- 2 BREEDING STATION **Krukanice**
- 3 BREEDING STATION **Lužany**
- 4 BREEDING STATION **Chlumec nad Cidlinou**
- 5 BREEDING STATION **Úhřetice**
- 6 TESTING STATION **Veselíčko**
- 7 OIL CROP RESEARCH INSTITUTE **Opava**
- 8 FORAGE CROPS CENTRE **Rožnov - Zubří**
- 9 TESTING LOCATION **Šatov**
- 10 TESTING LOCATION **Tuřany**
- 11 TESTING LOCATION **Bohuňovice**
- 12 TESTING LOCATION **Velké Hoštice**

NAD CIDLINOU



5

ÚHŘETICE



11

BOHUŇOVICE

7

OPAVA



12

VELKÉ HOŠTICE



8

ZUBŘÍ



10

TUŘANY



9

ŠATOV

SELGEN SLOVAKIA

SUBSIDIARY IN SLOVAKIA



Alicia ^E

- mid-early variety
- good resistance to FHB
- good resistance to yellow rust
- the biggest yielder among elite wheats
- plant length 98 – 102 cm, good lodging resistance
- TGW 43 g

QUALITY

- E baking quality
- high specific weight
- high protein content
- high bread volume
- high and stable Hagberg Falling Number

Astrid ^E

- mid-early variety
- good lodging resistance
- plant length 95 –100 cm
- medium sized grain, TGW 40 g
- excellent tolerance to leaf rust
- very good resistance to FHB

QUALITY

- E baking quality
- long term reliable elite what
- stably high Hagberg Falling Number

Anabel ^A

- mid-early variety
- high yields in all growing regions
- medium tall plants
- good lodging resistance
- very good health - resistant to powdery mildew, FHB, excellent yellow rust resistance
- marketed in Germany, Ukraina, Baltics

QUALITY

- A baking quality
- high specific weight (800 g/l)
- high Hagberg Falling Number
- high bread volume

Granny ^A

- mid-early, long-awned variety
- suitable for alternative sowing
- tolerant to the low temperatures – suitable for early spring / late autumn sowing
- very good health with improved resistance to ear diseases
- variety successfully traded in EU and Russia

QUALITY

- A baking quality
- high specific weight and yield of flour
- high Hagberg Falling Number
- very good sprouting resistance





Hystrix^A

- plant length ca. 95 cm
- very good resistance to lodging
- medium-flowering plants
- very good resistance to leaf rust, FHB and powdery mildew
- high resistance to black rust

QUALITY

- A baking quality
- bread volume
- high TGW
- stable Hagberg Falling Number

Kitri^A

- mid-early variety
- TGW 42 g
- shorter stem with good lodging resistance
- high yielding variety

QUALITY

- A baking quality
- stable Hagberg Falling Number
- high Zeleny test

Libertina^A

- semi-early variety (- 2 days)
- stable grain yield
- very good health with improved resistance to ear diseases
- higher resistance to yellow rust
- good resistance to lodging
- variety successfully traded in Russia and Ukraine

QUALITY

- A baking quality
- high bread volume
- high Hagberg Falling Number

Lotte^A

- late variety
- excellent yellow rust resistance
- good resistance to leaf spots
- suitable for organic farming
- broad leaves = good weed killer

QUALITY

- A baking quality
- high to medium specific weight
- medium high protein content

Pexeso^A

Increased lutein content
- 2x more than common varieties

- excellent results in Western Europe
- good resistance to powdery mildew
- good resistance to lodging
- good sprouting resistance

QUALITY

- A baking quality
- suitable for processing into pastries (yellow tint of pastry and pasta) and for feeding
- high specific weight ca. 820 g/l
- high bread volume
- high Zeleny test
- high protein content

Cindy^A

- stably high baking quality
- official trials in UK
- listed in CZ
- good resistance to powdery mildew
- resistant to lodging
- good resistance to triple rust
- medium late variety

QUALITY

- A baking quality
- high specific weight
- high bread volume
- good Zeleny test
- good protein content

Alondra^B

- mid-early variety
- variety with shorter stem and very high yields in all growing regions
- good resistance to powdery mildew and lodging
- high TGW

QUALITY

- B baking quality
- medium high to high specific weight and yield of flour
- medium high bread volume

Eponia^B

- semi-early variety with a longer stem
- large grain with high TGW
- high resistance to brown and yellow rust

QUALITY

- B baking quality
- high protein content
- high Zeleny test
- higher bread volume
- high Hagberg Falling Number



Odeta^B

- very early variety
- good productivity of ears
- good resistance to leaf diseases, yellow and brown rust
- medium tall to short plants

QUALITY

- B baking quality
- medium high Hagberg Falling Number
- medium bread volume
- medium specific weight

Toccata^B

- mid-early variety variety
- very high grain yields in all growing regions
- very good resistance to FHB (ear) and yellow rust

QUALITY

- B baking quality
- medium Zeleny test
- stable Hagberg Falling Number
- high bread volume



REGISTANA

Alternative wheat type

*Dedicated to the winner
of Velká Pardubická, the most famous
horse race in the continental Europe.*

Registana^B

- the best-selling alternative wheat in Central Europe
- medium early variety
- recommended for very early spring or late autumn sowing
- excellent yield potential for late sowing plus 1,5 t/ha to spring sowing
- resistant to low temperatures
- very good resistance to diseases
- resistant to leaf and stem rust
- medium tall to tall plants

QUALITY

- B baking quality
- high protein content
- high Zeleny test
- stable and high specific weight
- medium bread volume



VARIETY COMPARISON

Name	Baking quality	Heading	Lodging before harvest	Plant height	TGW	Falling number	Protein content
	<i>E-C</i>	<i>days</i>	<i>9-1</i>	<i>cm</i>	<i>g</i>	<i>s</i>	<i>%</i>
ALICIA	E	73	6	91	42	336	14,4
ASTRID	E	70	6	90	39	384	14
ANABEL	A	70	7,5	82	38	378	13,4
GRANNY	A	70	7,5	90	42	360	14,1
HYSTRIX	A	70	7,8	90	43,5	335	13,5
KITRI	A	72	8	82	42	371	13,9
LIBERTINA	A	73	7,6	84	38,3	381	13,7
LOTTE	A	76	7,9	82	38,8	369	12,8
PEXESO	A	72	6	90	43	319	13,6
ALONDRA	B	75	7,6	82	39,4	378	12,5
EPONIA	B	70	6,8	87	41	363	14,2
ODETA	B	73	7,3	86	41,2	344	12,6
REGISTANA	B	86	7	90	45	320	14
TOCCATA	B	71	6,7	88	44,1	316	13,6

- S P R I N G W H E A T

Zelený test	Specific weight	Mildew leaf	Mildew ear	Septoria tritici / DTR	Septoria nodorum	Brown rust	Yellow rust	FHB
<i>ml</i>	<i>g.l⁻¹</i>	9-1	9-1	9-1	9-1	9-1	9-1	9-1
65	826	6	8	7	8	7	7	7,9
61	805	6	7	6	7	6	7	7,8
57	812	8	8	7	7,5	7	8	7,9
36	820	7,6	7,2	6,5	6,5	5,5	7,8	6,3
45	785	7,8	6,8	6,7	7,8	6	8,5	7,8
65	802	8	8	7	8	8	7	7,5
54	828	8,4	8	6,4	7,9	6,8	8,7	7,9
51	802	7,5	8,1	6,6	7,8	8,3	7,8	7,4
62	820	6	7	7	7,5	7	7	8,1
51	804	7,8	8,7	6,2	7,7	7,9	6,6	7,7
65	805	7,6	7,2	6	7,6	7,6	8,6	7,4
47	784	4,9	6,1	6,9	7,9	7,8	8,4	7,7
64	8013	7	8	7	7	6	8	7,1
58	812	6,9	7,7	6,4	8,1	6,9	8,7	7,3

scoring: 9 = the best, 1 = the worst



Francin

The variety dedicated to the great Czech writer Bohumil Hrabal

- mid-early malting variety
- shorter stem (70 – 75 cm) with excellent lodging resistance
- higher tillering capacity
- very good resistance to stem breaking and to barley brown rust
- suitable for all growing regions

QUALITY

- Francin is recommended for production of the „Czech beer“ brand. This variety is preferred by the biggest Czech breweries Pilsner Urquell and Budweiser Budvar and wide range and of the other breweries and malt houses.

Excellent malting quality
– suitable for full bodied
Pilsner Lager type beers

Spitfire

- high yields in all growing regions
- very high grading (96 % of grain above 2,5 mm)
- very good health status
- large grain
- TGW 52 g

QUALITY

- excellent malting quality - malting efficiency 92,2 %
- very high extract of malt - 84 %
- final attenuation - 83,2 %
- very low Beta-glucan content of wort - 64 mg/l
- recommended by the biggest malting groups in the Czech Republic





Avatar

- tall variety with mid - early maturity
- high yield of grain and mass, suitable also for forage production
- high in protein content
- the lowest trypsin-inhibitor activity
- yellow grain with medium TGW
- suitable for drier conditions
- very good results across Europe

Saxon

- medium-tall plants, flower colour white
- initial growth medium to fast
- moderately resistant to lodging before harvest
- resistant to pea fungal infestation, moderately resistant to complex of root diseases, and to pea rot infestation
- cylindrical yellow seed with high colour stability
- low TGW 225 g
- higher protein content
- low activity of trypsin inhibitor

Eso

Triumph in your fields
The leading variety of Czech assortment

- mid-early semi-leafless variety
- medium tall plants (100 cm)
- very good lodging resistance
- excellent health – strong ascochyta pisi and root complex diseases resistance
- resistance to late spring frosts / drought
- oval, yellow grain with balanced colour and lower TGW – 220 – 240 g
- medium protein content
- excellent for grain production
- sowing of 0.9 – 1.0 million germinating seeds
- cultivated in many countries around the world – e.g. Denmark, Sweden, USA, Canada, Austria, Russia, Baltic States , Finland, Italy





Trendy

- early variety
- stably high yields mainly in dry and warm conditions
- late spring frost resistance
- rapid early growth
- very good health
- medium tall plants with high lodging resistance
- round, uniformly coloured grains
- lower TGW – ca. 250 g
- low to medium trypsin-inhibitor activity
- resistant to brown spots of peas
- moderately resistant to infection by a complex of root diseases

Lump

- suitable for all growing regions
- medium tall plants
- good lodging resistance
- very good health (resistant to virosis and root diseases)
- cylindrical yellow grain with well balanced colour, low TGW (220 g)
- recommended sowing 0.9 – 1.0 million germinating seeds
- low trypsin inhibitor activity

Gambit

Ideal for haylage

- mid late variety
- fast initial growth
- the tallest variety of Selgen
- good lodging resistance
- suitable for cereal fodder mixtures and silages
- well balanced health (exceeding most varieties)
- resistant to brown attack pea spots
- moderately resistant to infection by a complex of root diseases and a complex of viral diseases
- big round, yellow grain (TGW ca. 270 g)
- very low trypsin-inhibitor activity
- high in protein content

Tip

- late variety
- medium tall plants
- very good lodging resistance
- yellow, round grain, with medium TGW and balanced colour
- very good health (root rot resistance)
- constantly very high protein content
- developed in many European countries





Velvet

- mid-early variety
- rapid early growth
- medium tall to tall plants
- improved lodging resistance
- yellow, round grain, medium TGW and stable colour
- very good health (root rot resistance)
- medium protein content
- low trypsin-inhibitor activity
- sensitivity to low temperatures
- cultivated e.g. in France, Russia and Romania

LEAF TYPE

Protecta



- mid-early variety
- very good health of roots, very high lodging resistance
- medium tall to tall plants
- excellent soil coverage and competitive ability against weeds
- suitable for organic farming
- medium-sized ovoid seed
- outstanding yields of protein

Rosario



PINK GRAIN

- exceptional "pink coloured" grain
- medium to late type with shorter stem (100 cm) and very good lodging resistance
- medium TGW around 250 g
- protein content medium to high
- very low trypsin inhibitor activity – suitable for animal feeding
- seed yields on the level of common green varieties



	Ascochyta, mycofsetela	Virosis	Root diseases	Perenospora pisi	Trypsin inhibitor - TIU	Registered (year)	Early growth	Flowering	Maturity (days)	Stem lenght	Crop height	Lodging before harvesting	TGW	Relative protein content
GAMBIT	4,9	7,9	6,7	6,9	3,4	2011	8,4	5	23	104	40	4,0	263	25,6
ESO	5,7	7,2	6,8	7,3	5,0	2012	8,1	8	23	93	44	4,7	238	24,9
TRENDY	5,9	7,6	6,8	6,5	5,5	2016	7,7	2	18	85	40	4,0	244	24,9
LUMP	5,9	7,3	6,8	6,9	5,2	2016	8,1	4	20	86	43	4,3	233	24,1
AVATAR	5,6	7,6	6,9	6,3	3,1	2018	8,7	6	21	106	41	4,1	260	25,3
SAXON	5,2	7,9	7,1	7,2	4,8	2019	7,8	5	22	86	50	5,3	217	25,1
ROSARIO	6,4	7,0	6,6	7,6	2,9	2021	8,1	5	20	102	49	5,0	237	25,2
PROTECTA	5,6	7,8	7,1	7,9	3,0	2021	7,6	2	23	95	40	4,0	244	26,0
TIP	6,2	7,2	7,5	6,3	4,4	2013	7,8	6	23	89	53	5,7	250	25,8
IMPULS	6,7	7,6	7,1	6,9	4,7	2014	8,5	3	24	91	40	3,6	262	25,1
POSEIDON	6,0	7,2	8,2	7,2	3,7	2016	8,0	5	22	86	48	4,8	264	24,8
PEPS	5,8	7,8	6,8	8,0	5,8	2017	8,3	4	19	85	48	5,5	222	25,0
EMPIRE	5,6	7,6	8,3	8,2	14,2	2020	7,5	5	26	101	50	5,4	215	25,3





Poseidon

- mid- early variety
- bigger, irregular shaped grain with excellent colour stability, TGW 280 – 300 g
- shorter plants with good lodging resistance
- suitable also for regions with humid climate
- early spring growth, late flowering
- long pods
- intolerant to late spring frosts
- excellent resistance to root diseases, especially to aphanomyces
- very good lodging resistance
- suitable for late sowing
- without significant risks during cultivation sowing of 0.9 – 1.0 million germinating seeds
- variety listed and marketed across Europe and the USA

Empire

- mid-late variety with green kernels listed in the USA
- tall and dark-green plants with shorter shells
- combined resistance to root and leaf diseases
- very high lodging resistance
- medium to lower TGW 200 – 240 g

Impuls

- the highest yields among green grain varieties
- rapid early growth
- medium tall plants
- high lodging resistance
- excellent health
- very good resistance to root diseases including FHB
- excellent for grain production, TGW ca. 285 – 290 g
- grain with outstanding stability of colour
- seed rate 0,9 – 1,0 mil. germinating seeds
- high protein content

Peps

- variety suitable for locations with more rainfall
- green grain with lower TGW (220 – 230 g)
- well balanced colour stability
- medium tall plants with good lodging resistance
- medium protein content
- registered in France



Merkur

- classical type of bean with violet colour of grain
- stable yields in all growing regions
- tolerant to spring frosts
- semi-late variety of a higher type
- rapid initial growth
- excellent resistance to complex of root diseases and virosis
- high TGW 520 – 550 g
- improved lodging resistance and high grain quality
- suitable for direct combine harvesting
- cultivation is possible in all areas
- universal use for grain cultivation and forage production
- recommended sowing of 0.5 million germinating seeds

Merlin

- white-flowering variety with low tannin content
- significant feed value
- high protein content
- profitable early type with a shorter stem
- very good resistance to lodging and stem breaking
- good resistance to bean rust and brown spot
- TGW 530 – 550 g
- suitable for grain production as well as a cover crop for perennial forage and cumin
- variety suitable for compound feed or as a monoculture
- recommended sowing of 0.6 – 0.7 million germinating seeds



Mistral

- early variety with short stems
- very low tannin content
- improved resistance to lodging and stem breaking
- very good resistance to bean rust and spots
- TGW 530 – 550 g
- medium protein content
- suitable for grain production or as a component of forage mixtures
- popular covering crop of perennial forage crops or caraway



Korok

- stable yields
- high resistance to oat rust
- big grain with high specific weight
- very good health, medium resistance to the complex of leaf spots
- suitable for organic farming
- recommended for all growing regions
- yellow colour of grain, high protein content

Kertag

- mid-early variety
- high tillering capacity
- excellent feeding quality
- medium tall plants
- higher resistance to complex of leaf spots
- medium-sized grain with a yellow husk
- very good feed parameters
- high yield of oat rice - 53 %

Remus

- mid-early to early variety
- stably high yield in all growing regions
- big grain with soft husk
- the highest specific weight of whole Czech assortment
- resistant to fungal diseases, especially oat rust and powdery mildew
- longer stem, medium lodging resistance

Merlin

- tall plants with improved lodging resistance
- very good resistance to stem breaking
- big grain with very high TGW and tillering capacity
- exceptional resistance to powdery mildew and leaf diseases
- the biggest yielder in grain and oat rice

Celeste

- registered in France
- the most profitable black oat
- early variety with intensive black colour of husk
- shorter stem, very good resistance to lodging
- very high TGW and specific weight
- universal variety - suitable for human consumption, feed mixtures or as a cover crop





Marco Polo

- short stem
- very good resistance to lodging
- large grain
- stable yields either on poor soils
- very good resistance to major diseases
- suitable for organic farming

Santini

- mid-early variety
- high yields in all growing regions
- low share of husked grains
- shorter stem
- excellent resistance to lodging
- moderate resistance to fungal diseases
- high in starch

Oliver

- mid-late variety
- stable high yields
- medium sized grain
- shorter plants with good resistance to lodging
- medium resistance to the complex of leaf spots and oat rust

Kamil

- mid-early variety
- short plants - the best resistance to lodging in SG assortment
- large grain, very high thieving
- very high resistance to stem breaking
- improved resistance to powdery mildew
- medium resistance to the complex of leaf spots
- high bread volume
- high TGW

Patrik

- mid-late variety
- highly resistant to powdery mildew on leaf
- high yields of the grain
- medium tall plants
- good resistance to stem breaking
- medium resistance to the complex of leaf spots
- resistant to oat rust
- low share of husked grains
- higher specific weight
- fat content ca. 6.5 %

Bonus

The most cultivated clover
in the Czech Republic

- diploid early to mid-early variety
- good resistance to lodging
- very good health status - moderately resistant to white rot clover (highest resistance among currently tested assortment)
- resistant to complex of mycoses, root rot, powdery mildew and a complex of viral diseases
- very good perenniality until the third year of vegetation
- an exceptionally prized variety traded in most European countries



Garant

Winner of the prestigious
Swiss Granum Trials with the best index
- excellent health condition

- diploid early to mid-early variety
- rapid spring growth
- medium resistance to lodging
- excellent health - very high resistance to a complex of mycoses, root diseases, powdery mildew and virosis
- very good perenniality up to the 3rd year of vegetation
- the yield of green and dry matter in the first and second year of use is high

Swiss list of leading recommended varieties
of red clover

		Yield	Early growth	Competitiveness	Perseverance	Frost resistance	Resistance to atraknos	Resistance to leaf diseases	Overall index
1.	Garant	5,0	3,1	4,3	5,0	3,5	2,3	2,5	3,61
2.	Respect	5,1	3,3	4,8	5,6	3,7	2,6	2,6	3,84
3.	Bonus	5,7	3,2	4,8	5,2	3,7	2,6	2,6	3,89
4.	Ganymed	5,0	3,7	4,4	5,5	3,9	2,9	3,0	3,94
5.	SLM 3.274	5,6	3,1	4,4	6,2	3,9	3,4	2,3	4,10
6.	Avisto	6,0	4,0	5,0	5,6	4,3	2,8	1,5	4,10
7.	Regent	5,6	2,9	4,9	5,9	3,9	3,5	2,8	4,17
8.	Harmonie	5,6	3,7	5,0	5,7	4,3	3,1	3,0	4,22
9.	Elara	5,9	4,0	4,8	5,6	4,5	2,9	2,9	4,24
10.	Trevvio	6,3	2,8	4,9	6,7	4,0	3,8	3,5	4,49

ratings: 1 = very high, very good 9 = very low, very bad

Agil

Highly resistant to white clover rot
- very good endurance and winter
hardiness

- diploid mid-early variety
- medium long stalk with good lodging resistance
- rapid spring growth
- resistant to crown and root rot (*Sclerotinia trifoliorum*) diseases
- medium high yield of dry and green matter in the first year, high in the second year

Respect

Medium to high spring growth rate
Overall very good health

- diploid early variety
- apid spring growth
- good resistance to lodging
- the variety is resistant to complex of viral diseases
- improved resistance to complex leaf spot

POPPY SEED

Opex

- blue coloured grain
- very early variety of alternative use – seeds and pharmaceutical poppy mass
- short plants with excellent lodging resistance
- high resistance to helminthosporiosis, medium resistance to poppy mold

TYPE: closed capsule

- medium level of TGW
- high oil content in seed (47,7 %)
- high quality of poppy mass with app 0,8 % of morphine

Orel

- white coloured grain
- medium early variety suitable for human consumption
- tall plants with average resistance to lodging
- medium level of diseases resistance

TYPE: closed capsule

- medium high TGW
- very high oil content in seed (50,3 %)
- low content of morphine in poppy mass



Lyra

- adaptable early variety, suitable for all growing regions
- very good health status
- combined use for seed production and green manure
- good lodging resistance
- reliable export commodity
- balanced seed colour and a low proportion of gray seeds
- provides a high yield of quality seed
- sowing rate 7 – 10 kg/ha
- the date of sowing when growing for seed as soon as possible in spring - with regard to the risk of spring frosts

Agent

- mid-early variety, yellow grain
- stable high grain yields
- medium tall plants (152 cm)
- the highest TGW - 7,93 g (among all tested varieties)
- medium high oil content

Severka

- mid-early variety with good lodging resistance
- high and stable yields
- very good health
- ideal for green manure use
- the long term popular variety in the Czech Republic

Andromeda

- mid-early variety, yellow grain
- good lodging resistance
- ideal as a cover crop before sugar beet or other crops
- very high yields of grain in all growing regions
- successfully tested by GEVES (France) with higher antinematocide impact
- variety for eliminating beet eelworm (up to 75 %)
- medium high oil content
- nice colored type suitable for food industry
- higher TGW (7,5 – 8 g)





Arvika

- the most famous worldwide variety of forage pea
- excellent health - highly resistant to diseases
- low TWG (reduces seed costs)
- suitable for spring and summer legume mixtures used on green feeding, haylage and green manure
- traditional Czech export commodity

Effecta

- registered in CZ 2020
- in Official Trials 2019 + 2020
- mid-late variety classical leaf type
- long stem, purple flowering
- very high yield of green mass - 113,9 % (above average of Arvika + Andrea)
- very high yield of dry mass - 114,1 % (above average of Arvika + Andrea)
- low TGW (similar to Arvika)

Andrea

- excellent yield of n-substances at the time of forage maturity
- semi - late variety with a fast initial growth
- low to medium TGW





Lester

- 6-row variety for intensive cultivation
- excellent winter hardiness
- long ear even in high-population stand
- outstanding yields in all growing regions, also good for light soil
- good resistance to root diseases and FHB
- full, balanced grain
- high tillering capacity
- significant position on eastern markets

Lancelot

- 6-row winter barley with late maturity
- medium tall plants with good lodging resistance
- high winter hardiness
- good stem brackling and leaf rust resistance
- resistant to barley yellow mosaic virus (BaYMV-1 and BaMMV)
- medium sized, full and balanced grain
- stable yields in both variants of cultivation



Julie^E

Long term top wheat in Central and Eastern Europe

- early to mid-early variety
- very high yields in all growing regions
- excellent winter hardiness with very good frost resistance
- longer stem with medium lodging resistance
- high resistance to FHB
- high TGW
- traded in Germany, CZE, Slovakia, Poland, Baltics, Russia and Ukraine

QUALITY

- stable E baking quality
- high, stable specific weight
- high bread volume
- high, stable Hagberg Falling Number



Butterfly^E

- mid-late variety
- stable yields in all growing regions in combination with excellent quality
- medium tall to tall plants with good resistance to lodging
- good frost resistance and winter hardiness
- good resistance to FHB, septoria and yellow rust, high resistance to brown rust
- suitable for sowing after maize and cereals
- excellent results in organic farming

QUALITY

- E baking quality
- high specific weight
- high Zeleny test
- high and stable Hagberg Falling Number
- high protein content

Viki^E

Excellent FHB

- mid-late variety
- stable yield in all growing regions
- high resistance to leaf rust
- high frost resistance and winter hardiness
- high tillering capacity / productive stems per m²
- longer plants with good lodging resistance
- listed in Germany
- the highest FHB resistance in whole assortment of BSA

QUALITY

- E baking quality
- high protein content
- very good bread volume
- good Hagberg Falling Number
- excellent Farinograph values





Illusion^A

- stable high yields in all growing regions
- very good resistance to leaf diseases
- stable baking parameters
- PCH1 gene = increased resistance to stem base diseases
- good management of nitrogen fertilization
- very good stem rust resistance

QUALITY

- A baking quality
- high specific weight
- high protein content
- stable Hagberg Falling Number

Liseta^A

- mid early variety
- suitable for intensive farming
- very high grain yield
- high and stable quality
- high tillering capacity over 770 ears/m²
- high frost resistance

QUALITY

- A baking quality
- high specific weight (above 820 g/l)
- high Zeleny test
- high bread volume

Megan^A

Outstanding earliness

- suitable for intensive farming
- good pre-crop for canola
- stable baking quality
- long stem with necessity of growth regulator use
- good resistance to virosis
- very fast grain development

QUALITY

- A baking quality
- high specific weight
- stable Hagberg Falling Number
- high protein content



Adina^A

- early variety
- suitable for intensive farming
- high yield of grain
- good resistance to lodging
- stable and high baking quality
- good resistance to yellow rust
- medium frost resistance

QUALITY

- A baking quality
- high protein content
- high specific weight
- high bread volume
- high Zeleny test



Turandot^A

- mid-late to late variety
- stable yields in all growing regions
- high resistances to major diseases
- suitable for organic farming
- good lodging resistance
- very good for late sowing after maize or sugar beet (FHB and frost resistance)
- suitable for sandy and light soils

QUALITY

- A baking quality
- high specific weight
- stable Hagberg Falling Number
- high Zeleny test
- high protein content

Piruet^A

- early variety
- high resistance to stem and ear diseases
- stably high quality
- tall plants with very good resistance to lodging
- high resistance to root diseases
- good frost resistance
- typical very fast grain development

QUALITY

- A baking quality
- high specific weight
- stable Hagberg Falling Number
- high Zeleny test
- high protein content



Skif^A

- mid-late variety
- stable yield of grain
- shorter plants with excellent resistance to lodging
- stable baking quality
- stable specific weight
- good resistance to triple rust
- medium frost resistance

QUALITY

- A baking quality
- good protein content
- high bread volume
- high Zeleny test





Petronela^B

- suitable for drier climate
- high yields of grain
- early in heading
- medium tall to tall plants with medium lodging resistance
- good frost resistance
- good resistance to powdery mildew and leaf rust

QUALITY

- B baking quality
- medium protein content
- high specific weight
- feeding quality

Nonstop^B

- very high yield in cereal growing regions
- medium plant length - 90 cm
- very good lodging resistance
- very high tillering capacity
- very good level of winterhardiness

QUALITY

- B baking quality
- medium protein content
- specific weight 800 g/l

Lorien^B

- suitable for dry and warm regions
- medium tall to tall plants with good lodging resistance
- medium to lower frost resistance
- medium tillering capacity
- good resistance to virosis and FHB

QUALITY

- B baking quality
- medium protein content
- medium specific weight
- feeding variety

Vanessa^C

- mid-late variety
- stable yield in all growing regions
- high resistance triple rust
- high frost resistance and winter hardiness
- short plants with good lodging resistance
- successfully used in biscuit flours

QUALITY

- C baking quality
- soft grain
- low protein content
- feeding quality

Kalbex^{C/K}

- early variety (same as Bohemia)
- outstanding yield in all growing regions
- high frost resistance (72 %)
- excellent health
- very high tillering capacity
- medium stem length

QUALITY

- C/K baking quality
- medium TGW (42,8 g)
- high Hagberg Falling Number

Mercedes^C

- early variety
- stable yield in all growing regions
- high resistance to FHB
- very high frost resistance and winter hardiness
- short plants - necessity of growth regulator use
- successfully tested for biscuit flours

QUALITY

- C baking quality
- soft grain
- low protein content
- low level of Zeleny test
- soft endosperm



		JULIE	BUTTERFLY	VIKI	ILLUSION	MEGAN	ADINA
Quality group		E	E	E	A	A	A
Description	Earliness	early	mid late	mid late	mid late	very early	early
	Plant lenght	high	high	medium	medium	medium	high
	Lodging resistance	low average	medium	medium	high	low	medium
	TGW	very high	high	medium	medium	medium	high
	Winterhardiness	very high	very high	high	high	high	medium
Diseases resistance	FHB	high	high	very high	medium	medium	medium
	Septoria	high	high	high	high	medium	medium
	Leaf rust	medium	medium	medium	low	medium	medium
	Brown rust	high	high	medium	high	medium	high
	Yellow rust	high	very high	high	high	medium	very high
	Mildew	low average	high	medium	high	medium	medium
Sowing rate	Early terms	3,2 - 3,5	3,5 - 3,7	3,1 - 3,4	3,6 - 3,9	3,2	3,5 - 3,7
	Optimal	3,5 - 3,9	3,7 - 4,1	3,4 - 3,7	3,9 - 4,3	3,5	3,7 - 3,9
	Late sowing	3,9 - 4,3	4,1 - 4,5	3,7 - 4,1	4,3 - 4,7	4,0	3,9 - 4,1
Growth regulators	The level of doze	high	high	high	medium	very high	very high
Growing recommdation	Late sowing terms	tolerant	tolerant	tolerant	tolerant	tolerant	tolerant
	Sowing after maize	tolerant	tolerant	very tolerant	tolerant	tolerant	tolerant
	Sowing after cereals	tolerant	medium sensitive	very tolerant	tolerant	tolerant	medium sensitive

LISETA	TURANDOT	SKIF	BOHEMIA	PETRONELA	KALBEX	VANESSA	MERCEDES
A	A	A	A	B	C/K	C	C
mid late	mid late	mid late	early	mid-early	early	mid late	early
high	medium	low	high	medium	medium	low	high
low	medium	high	medium	medium	medium	high	low
high	high	medium	high	medium	medium	medium to low	high
medium	high	medium	very high	high	high	medium	high
high	very high	medium	medium	medium to high	very high	low	high
high	high	medium	medium	medium	very high	high	medium
medium	medium	high	medium	medium	high	medium	medium
high	low	high	medium	high	medium	high	high
high	high	high	low	medium	very high	medium	medium
low	high	high	medium	medium	very high	medium	medium
3,5	3,5 - 3,7	4,0 - 4,2	3,3 - 3,7	3,4 - 3,7	3,4 - 3,7	3,6 - 4,0	3,0 - 3,2
3,8	3,7 - 4,3	4,2 - 4,4	3,7 - 4,1	3,7 - 4,1	3,7 - 4,1	4,0 - 4,3	3,2 - 3,5
4,0	4,3 - 4,7	4,4 - 4,5	4,1 - 4,5	4,1 - 4,6	4,1 - 4,6	4,3 - 4,6	3,5 - 3,9
very high	high	medium	high	medium	medium	medium	very high
tolerant	tolerant	tolerant	tolerant	tolerant	tolerant	tolerant	tolerant
tolerant	tolerant	tolerant	tolerant	tolerant	very tolerant	very sensitive	tolerant
tolerant	tolerant	medium sensitive	tolerant	tolerant	tolerant	tolerant	tolerant

Dětenická Panonská

- early variety with dark colour of grain
- suitable either for more acidic soils
- very high level of winterhardiness
- recommended as a pure culture or into mixtures with cereals
- well-leaved, semi-erect stem
- popular in organic system of farming



Corzar

- very high yield
- early and long flowering - good pollination even in rainy May
- short plants - 138 cm
- high resistance to lodging (8.0)
- good health
- without significant growing risks
- suitable for all growing regions
- optimal sowing rate
0.7 MGS (million germinating seeds)/ha
- rapid spring growth

QUALITY

- high oil content (48.7 %)
- TGW medium (4.61 g)
- GSL content very low (12.1 µmol/g)



Corida

- medium to short plants suitable for all growing regions
- intensively branching plants ca 140 cm long
= reduced harvesting costs → speeding up the harvest
- early and long flowering period = good pollination even during worse weather
- medium-late harvest
- good resistance to high-risk diseases

QUALITY

- high oil content
- medium TGW
- without erudic acid, low content of glucosinolates



Cedrik

- early to mid-early variety
- shorter plants (144 cm) with good lodging resistance
- excellent health
- very good winter hardiness (96 %)

QUALITY

- medium TGW - 4,8 g
- high oil content





Arkta

Extremely high frost resistance
Very good pre-crop value
Ideal to legume cereal mixtures

- rapid spring initial growth
- early spring harvest of quality forage
- high yield of green and dry matter and rough protein in all regions
- plant length 150 to 180 cm
- excellent frost resistance and winterhardiness even in adverse conditions, ideal for winter triticale with winter cereals (triticale or oats) 75 kg winter triticale + 75 kg Arkta cushions
- alternative sowing in spring
- very good pre-crop
- low TGW (140 g)
- popular variety across whole Europe

Frostica

Forage master

- very good winterhardiness
- brings early spring forage
- very small grain - TGW ca. 120 g
- very good resistance to complex of root diseases
- resistance to lodging on very good level
- high yield of green and dry mass
(105 % in experimental trials)

Winter forage pea can be part of a new soil protection technology, where it is sown at the same time as winter wheat, in rows or wide into strips. The effect of legumes on soil structure and on water infiltration into the soil is particularly positive. In the spring, after the controlled cessation of the winter cover vegetation, wheat effectively uses free nitrogen (up to 40 kgN/ha) from tubercular bacteria and easily decomposing biomass of cover plants.

Kardinál

Excellent wintering
– the first spring crops

- mid-late variety
- annual clover with excellent winter hardiness
- use in pure culture or as a component of early winter mixtures (Landsberg mixture) in a continual belt of green feeding
- soli improving crop (outstanding on sandy soils)
- quality green fertilization
- popularity among growers and seed traders one of the biggest varieties in Europe

Signal

Combination of high yields of forage mass and seed yield

- mid-late variety
- rapid spring growth
- improved resistance to root rot
- official trials results above the average of controls: yield of green matter 102.3 % dry matter 104.1 %

Readhead

Newly listed variety of *Trifolium incarnatum* – BSA 2020

- early variety
- rapid early growth after winter
- longer stem
- very high resistance to root diseases
- very good resistance to lodging
- high yields of green and dry mass
- high yields or rough proteins
- easy and reliable harvesting

**BSA (Germany) registration results
2018 and 2019 in %**

Variety	Green mass	Dry mass	Rough proteins
REDHEAD Selgen	107	111	105
OSTSAAT – K Freudenberger	100	100	100
LINKARUS - K DSV Lippstadt	100	100	100
CARMINA Sem. de France	93	95	98
CAMAURO Sem. de France	86	103	94



COMPANY HEADQUARTERS

SELGEN, a. s.

CZECH REPUBLIC

KOLODĚJSKÁ 24, 250 84 SIBŘINA

TEL. +420 702 251 092

e-mail: selgen@selgen.cz

www.selgen.cz

