



# SELGEN

WINTER

SPRING

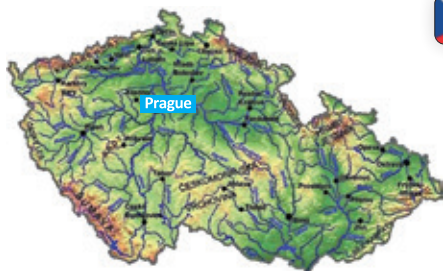
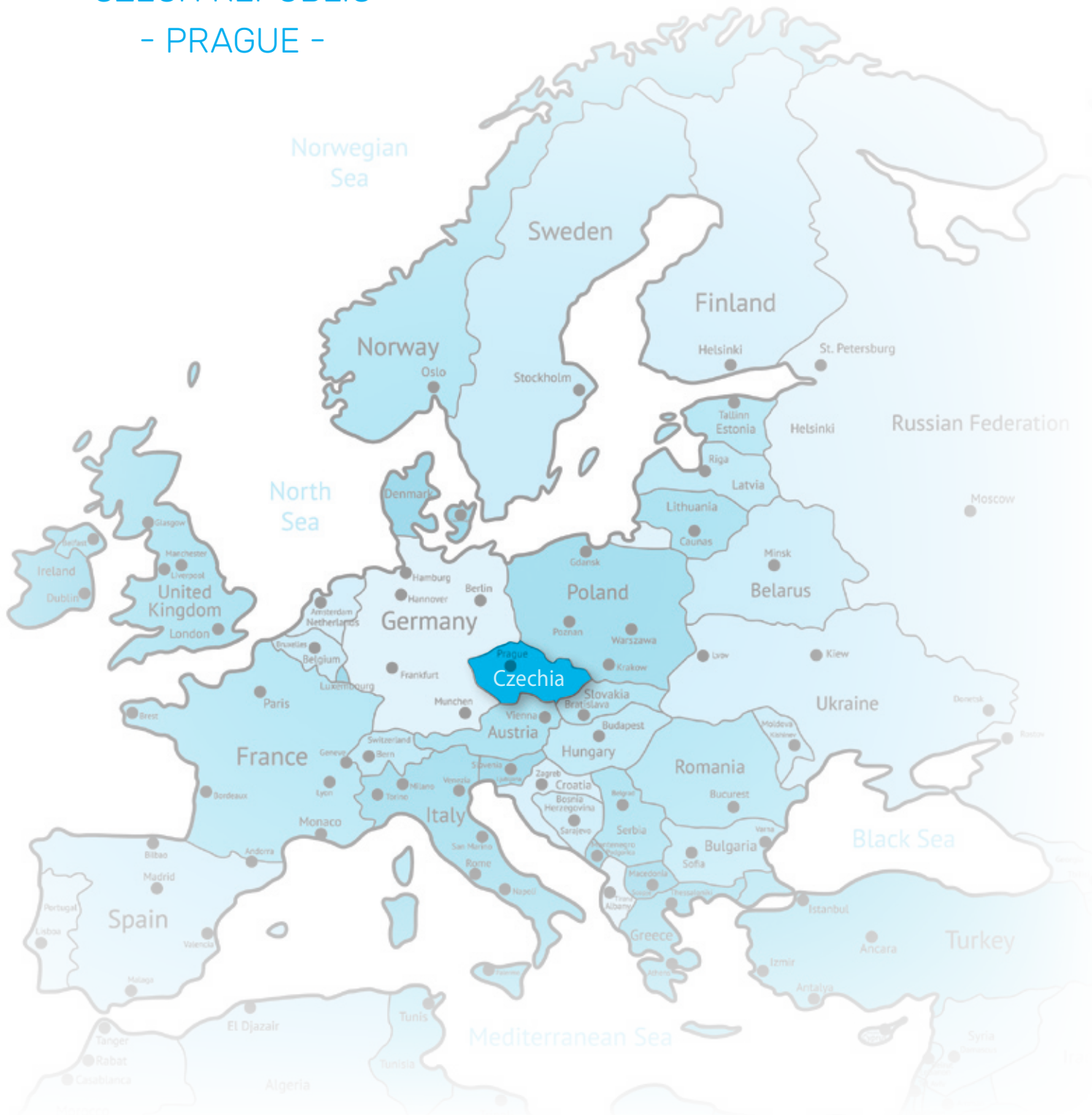
## PRODUCT CATALOGUE

*We breed for you*

**selgen**<sup>®</sup>

# CZECH REPUBLIC

- PRAGUE -



## CZECH REPUBLIC

**Area:** 78 866 km<sup>2</sup> (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

# GREETINGS

FROM THE CZECH REPUBLIC



# SELGEN'S BREEDING AND TESTING STATIONS



**KRUKANICE**

**PRAGUE**



**STUPICE**



**CHLUMEC**



**LUŽANY**



**VESELÍČKO**



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 BREEDING STATIONS

 TESTING STATIONS

 TESTING LOCATIONS



NAD CIDLINOU



ÚHŘETICE



OPAVA



BOHUŇOVICE



VELKÉ HOŠTICE



TUŘANY



ZUBŘÍ



ŠATOV



**SELGEN SLOVAKIA**  
SUBSIDIARY IN SLOVAKIA

# SPRING WHEAT



## Alicia <sup>E</sup>

- mid-early variety
- good resistance to fusarium head blight (FHB)
- very good resistance to yellow rust
- the biggest yielder among elite wheats of Selgen
- plant length 98 – 102 cm, good lodging resistance

• TGW 43 g

### QUALITY

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

## Laskarina <sup>A</sup>

- mid-late variety
- high yielding, especially in untreated variant
- very good plant health
- high resistance to powdery mildew and septoria
- high resistance to leaf rust and yellow rust
- medium plant height (85 – 90 cm)
- medium resistance to lodging
- big grain - TGW 40 – 45 g

### QUALITY

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

## Coco <sup>A</sup>

- mid-early variety
- high lodging resistance
- plant length 93 cm
- medium sized grain, TGW 43 g
- high tolerance to leaf rust
- medium tolerance to mildew, yellow rust and fusarium head blight (FHB)

### QUALITY

- excellent A baking quality
- high protein content and specific weight
- mid-high bread volume

## Pexeso <sup>A</sup>

Increased lutein content  
- 2x more than common varieties

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

### QUALITY

- A baking quality
- high specific weight ca. 820 g/l
- high bread volume
- high Zeleny test
- high protein content

## Kelda <sup>A</sup>

- awn type
- excellent health - resistant to septoria, rusts and powdery mildew
- high yielding in all growing regions - especially in humid conditions
- medium resistance to lodging

### QUALITY

- A baking quality
- high and stable specific weight
- medium protein content and sedimentation

## Priska <sup>A</sup>

- awn type
- mid-late variety
- excellent health - resistant to leaf diseases
- medium resistance to lodging
- medium TGW

### QUALITY

- A baking quality
- high Hagberg Falling Number
- medium protein content and sedimentation



## Odeta <sup>B</sup>

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

### QUALITY

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

## Embla <sup>B</sup>

- high yielding early variety
- listed in Finland and Norway
- longer stem with good resistance to lodging
- high resistance to powdery mildew and FHB

### QUALITY

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



## Registana <sup>B</sup>

- the best-selling alternative wheat in central Europe
- medium early variety
- recommended for very early spring / late autumn sowing
- resistant to low temperatures
- very good health status - high resistance to yellow rust, leaf diseases and FHB
- medium tall to tall plants (95 – 100 cm)
- good lodging resistance
- TGW 47 g

### QUALITY

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

# Reflex<sup>C</sup>

- alternative wheat type
- high tillering capacity
- improved lodging resistance
- high resistance to powdery mildew (ear)
- high resistance to leaf rust

## QUALITY

- C baking quality
- high protein content
- stable Hagberg Falling Number
- medium bread volume
- high resistance to brown rust



*Awn wheat Kelda in detail*

Name	Baking quality	Heading	Lodging before harvesting	Plant height	TWG	Hagberg Falling Number	Protein content
	E-C	days	9-1	cm	g	s	%
<b>ALICIA</b>	<b>E</b>	82	6	90-92	42	336	14,4
<b>LASKARINA</b>	<b>A</b>	80	6	91	42,7	395	14
<b>COCO</b>	<b>A</b>	80	7,6	93	43,2	380	14,2
<b>KELDA</b>	<b>A</b>	81	5	96	41,3	374	13,1
<b>PRISKA</b>	<b>A</b>	81	7	83-85	41	371	13,2
<b>PEXESO</b>	<b>A</b>	81	6	90-92	43	319	13,6
<b>ODETA</b>	<b>B</b>	73	7,3	86	41,2	344	12,6
<b>REGISTANA</b>	<b>B</b>	80	7	88-91	45	320	14
<b>EMBLA</b>	<b>B</b>	80	7	95	43	385	13,6
<b>REFLEX</b>	<b>C</b>	80	7	96	41,3	394	12,95

Ranking: 9 = resistant / 1 = susceptible

Zeleny test	Specific weight	Mildew - leaf	Mildew - ear	Septoria tritici / DTR	Septoria nodorum	Brown rust	Yellow rust	Fusarium head blight
ml	g.l <sup>-1</sup>	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	814	8	7,9	6,1	7,7	7,8	8,3	7,1
68	821	6,2	6,5	6,2	7,7	7,9	7,4	7,5
54	815	7,7	7,4	6,2	8,1	8,2	8,8	8,4
62	770	8	8	6,5	7,5	8	7	7,5
62	820	6	7	7	7,5	7	7	8,1
47	784	4,9	6,1	6,9	7,9	7,8	8,4	7,7
64	802	7	8	7	7	6	8	7,1
58	812	7,5	7,7	6,4	8,1	6,9	8,7	8,3
39	800	6	7,5	6,5	6,8	8,2	7,7	8,3

# SPRING BARLEY



# 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 brackling and to barley brown rust
- suitable to all growing regions

# Spitfire

- high yields in all growing regions
- very high grading (96 % of grain above 2,5 mm)
- very good health status - resistance to barley rust and fusarium
- large grain
- TGW - stably over 50 g

## QUALITY

- high extract of malt (82,1 %)
- Francin is recommended for production of the „Czech beer“ brand. This variety is preferred by the biggest Czech brewery Pilsner Urquell and wide range and of the other breweries and malt houses

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

## 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



# Starship

- high yields in the barley growing regions
- very good plant health supported by the mlo gene
- high tillering capacity
- high resistance to lodging and stem brackling
- shorter stem (70 cm)
- excellent grain size, “thieving of 91 %”
- TGW 47 g

## QUALITY

- premium malting quality  
– high extract and high attenuation
- high starch content in grain
- higher degree of grain hydration after the 1st and 2nd steeping
- low content of betaglacans



# PROTEIN PEA



YELLOW GRAIN  
- SEMI LEAFLESS TYPE

## Avatar

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

## Saxon

- medium to fast initial growth
- medium resistance to lodging before harvest
- resistant to downy mildew, resistant to root diseases (pea wilt), moderately resistant to powdery mildew
- cylindrical yellow seed with high colour stability
- low TSW 225 g
- higher protein content
- low trypsin inhibitor activity

## Eso

Triumph in your fields  
The leading variety of Czech assortment

- mid-early 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
- cultivated in many countries around the world
- slightly oval yellow seed with high colour stability
- lower TSW – ca. 241 g
- medium protein content
- excellent for seed production

## Regent

Unique combination  
of high yield and earliness

- mid-early flowering, fast development to maturity
- medium sized yellow seed, average TSW 249 g
- medium length of stem, ca. 87 cm
- spring frosts resistance
- suitable also for warm and dry conditions



 **YELLOW GRAIN**  
- SEMI LEAFLESS TYPE

## Pirate

- registered in France
- high yielding variety
- high protein content
- excellent lodging resistance
- early maturity
- longer plants
- medium-sized yellow seeds

## Marler

- listed in GB and CZ
- yellow grain
- early variety with early flowering phase
- long flowering period
- good lodging resistance
- high resistance to root diseases
- TSW around 220 g
- good grain quality with high protein content (21,5 – 22 %)



**PINK PEA**

 **AFILA TYPE**

## Flamingo

- listed in UK
- taller plants of good standing ability
- plant length ca 110 cm
- more susceptible to root and viral diseases
- the beginning of flowering is later, but maturity is average
- large TSW around 300 – 320 g
- pink at sight, the pods inside of an orange colour

**PROTEIN PEA**



**LEAF TYPE**

## Protecta

- mid-early variety of yellow coloured grain
- very good health status of roots
- medium tall plants
- excellent soil coverage and competitive ability against weeds
- suitable for organic farming
- medium-sized ovoid seed
- outstanding protein content

Name	Virus diseases	Grey mold	Rot diseases	Ascochyta	Spring growth	Start of flowering	Flowering period	Maturity	Maturity
	9-1	9-1	9-1	9-1	9-1	days	days	days	days
<b>ESO *</b>	6,4	7,1	6,7	7,8	7,9	76	13	24	114
<b>LUMP *</b>	6,7	6,2	7,0	7,2	8,0	75	14	25	113
<b>AVATAR</b>	7,0	7,6	6,6	7,0	8,7	75	14	24	113
<b>SAXON</b>	7,0	8,1	7,0	7,7	8,1	75	16	23	113
<b>ATOLL</b>	8,1	7,4	7,9	7,3	8,5	75	13	25	113
<b>REGENT</b>	7,2	7,0	6,6	7,0	7,5	75	11	26	112
<b>KEPLER</b>	7,5	7,4	7,7	7,2	8,5	72	18	24	114
<b>GENT</b>	7,8	7,0	7,6	7,1	8,0	74	14	26	115
<b>FLAMINGO</b>	6,8	7,0	6,5	7,0	8,1	74	15	24	112
<b>PIRATE</b>	7,2	7,1	7,5	7,2	8	76	13	24	115
<b>ROSARIO</b>	6,8	7,2	7,2	7,8	8,1	76	14	25	114
<b>FLERET</b>	7,8	8,1	7,8	7,2	8,9	71	15	27	113
<b>MARLER</b>	7,4	7,2	7,2	7,4	8,4	71	20	22	113

Ranking: 9 = resistant / 1 = susceptible

Plant leght	Crop height	Lodging	Lodging before harvest	TSW	Colour	Colour stability	Protein content	Starch content	Protein yield per ha (%)	Trypsin inhibitor - TIU	Registration
cm	cm	9-1	9-1	g		%	%	%	%		year
95	65	7,3	5,9	240	yellow	98	22,2	50,8	90	4,9	2012
90	64	7,5	6,1	228	yellow	99	22,3	51,1	101	4,9	2016
101	64	6,9	5,5	267	yellow	99	23,3	51,0	104	4,3	2018
91	62	7,1	5,8	219	yellow	98	22,8	50,7	105	4,6	2019
105	64	7,4	5,5	245	green	99	21,7	51,4	102	5,4	2022
90	64	7,4	6,1	258	yellow	98	22,2	51,3	102	5,2	2024
100	62	6,9	5,4	236	green	99	21,9	51,0	106	5,3	2024
93	56	6,8	5,1	267	green	92	22,3	51,0		4,5	2024
95	65	7,3	6,1	290	orange	97	22,6	50,8		4,4	2024
93	65	7,5	6,2	272	yellow	97	23,2	51,0		5,1	2021
95	61	7,3	5,8	260	orange	92	22,5	50,8		4,2	2021
99	65	7,0	5,7	277	green	99	22,9	50,8	109	4,8	2025
101	64	7,5	5,8	239	yellow	99	22,9	50,9	106	4,6	2026



GREEN GRAIN  
- SEMI LEAFLESS TYPE

## Kepler

- mid-early variety
- very good colour uniformity of seed
- lower TSW (around 230 g)
- very good resistance to viruses and root diseases
- plant length 94 cm, similar to Eso variety
- very good lodging resistance
- medium level of proteins

## Gent

- green seed with TSW 250 – 270 g
- suitable for humid regions
- very good resistance to root diseases and viruses
- medium resistance to lodging
- medium protein content
- very low trypsin-inhibitor activity, suitable for feed use

## Atoll

- stable level of yielding over the seasons
- the tallest variety in Selgen's assortment
- dark green plants with good standing ability
- green seed with medium TSW around 238 g
- lower content of protein in seed 21.8 %
- very good colour balance

## Fleret

- mid-early variety
- green grain of slightly cylindrical shape
- high yield of grain
- rapid early growth
- plant length 95 cm
- medium TSW (251 g)
- medium-high protein content and yield
- low trypsin-inhibitor activity
- suitable also for forage purposes



# Merlin

- low tannin / white-flowering variety
- medium high protein content
- early type with a shorter straw
- high resistance to lodging and stem breaking
- good resistance to bean rust and leaf spot
- TSW 530 – 550 g
- combined use for grain production and cover crop for perennial forage and caraway
- variety suitable for compound feed or as a monoculture
- recommended sowing rate of 0.6 – 0.7 million germinating seeds

# Mistral

- low tannin / white-flowering variety
- early variety with short stems
- high yielding variety
- TSW ca. 550 g
- improved resistance to lodging and stem breaking
- very good resistance to bean rust and spots
- suitable to warmer weather conditions
- medium protein content
- suitable for grain production or as a component of forage mixtures
- popular covering crop of perennial forage crops and caraway



## TRADITIONAL FIELD BEAN

# Merkur

- traditional type of bean
- stable yields of grain and green mass in all growing regions
- tolerant to spring frosts
- semi-late variety, taller type
- rapid initial growth
- excellent resistance to complex of root diseases and virosis
- TSW 520 – 550 g
- improved lodging resistance and high grain quality
- universal use for grain and forage production
- recommended sowing rate 0.5 million germinating seeds

# SPRING OATS



## NAKED OAT

### Santini

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- mid-early variety
- the biggest yielder in all growing regions of Central Europe
- low share of husked grain
- shorter straw
- excellent resistance to lodging
- higher TGW and specific weight

### Marco Polo

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- short straw with very good resistance to lodging
- large grain
- low content of husked grain
- stable yields either on poor soils
- very good resistance to major diseases
- suitable for organic farming

### Oliver

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

### Patrik

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- mid-late variety
- highly resistant to oat smut
- medium tall plants
- good resistance to stem breaking
- medium resistance to the complex of leaf spots
- low share of husked grain
- higher specific weight
- the highest fat content among Selgen's naked oat varieties

## Kertag

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

## Remus

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

## Merlin

- tall plants with improved lodging resistance
- very good resistance to stem breaking
- big grain with very high TGW
- exceptional resistance to powdery mildew and leaf diseases
- the biggest yielder of oat rice
- popular for the products of human consumption
- listed and traded in UK

## Talent

- newly listed variety
- medium tall variety with good lodging resistance
- high resistance to powdery mildew
- medium resistance to black rust
- early maturity
- yellow grain with high specific weight
- high protein content

## Celeste

- registered in France
- popular in many European countries (Germany, France, Italy, Slovakia)
- early variety with intensive black colour of husk
- shorter stem, very good resistance to lodging
- resistant to oat smut
- high TGW
- high specific weight
- universal variety – suitable for human consumption, feed mixtures or as a cover crop

## Citadelle

- black oat variety with distinctly coloured
- suitable for all soil types; performs best on shallow soils
- high specific weight
- early heading, medium plant height
- powdery mildew resistance average to lower
- very good crown rust resistance



# Bonus

The most popular clover in the Czech Republic

- diploid early to medium early variety
- very good resistance to lodging
- very good health status - moderately resistant to sclerotinia crown and root rot
- higher resistance to fusarium root rot, northern anthracnose, powdery mildew and a complex of mosaic viruses
- very good perenniality until the third year of vegetation
- an exceptionally valued variety traded in most European countries

# Garant

Winner of the prestigious Swiss Grannum Trials with the best index - excellent health status

- diploid early to medium 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 Grannum Trials - red clover (2016 - 2018)

		Yield	Early growth	Competitiveness	Persistence	Frost resistance	Resistance to atraknosis	Resistance to leaf diseases	Overall index
1.	<b>GARANT</b>	5,0	3,1	4,3	5,0	3,5	2,3	2,5	<b>3,61</b>
2.	<b>RESPECT</b>	5,1	3,3	4,8	5,6	3,7	2,6	2,6	<b>3,84</b>
3.	<b>BONUS</b>	5,7	3,2	4,8	5,2	3,7	2,6	2,6	<b>3,89</b>
4.	<b>GANYMED</b>	5,0	3,7	4,4	5,5	3,9	2,9	3,0	3,94
5.	<b>SLM 3.274</b>	5,6	3,1	4,4	6,2	3,9	3,4	2,3	4,10
6.	<b>AVISTO</b>	6,0	4,0	5,0	5,6	4,3	2,8	1,5	4,10
7.	<b>REGENT</b>	5,6	2,9	4,9	5,9	3,9	3,5	2,8	4,17
8.	<b>HARMONIE</b>	5,6	3,7	5,0	5,7	4,3	3,1	3,0	4,22
9.	<b>ELARA</b>	5,9	4,0	4,8	5,6	4,5	2,9	2,9	4,24
10.	<b>TREVVIO</b>	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

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- diploid medium early variety
- very good persistence and winter hardiness
- highly resistant to white clover rot
- medium-long and strong stem with good resistance to lodging
- resistant to crown and root rot (*sclerotinia trifoliorum*) diseases
- medium high yield of dry and green matter in the first crop year, high in the second crop year

# Ragnar

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- newly listed variety
- diploid medium early variety
- rapid spring growth
- improved resistance to powdery mildew
- the yield of green and dry matter medium high in second year and high / very high in third year
- high persistence
- very suitable for use in perennial clover mixtures

# Respect

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- medium to high spring growth rate
- overall very good health
- diploid early variety
- rapid spring growth
- good resistance to lodging
- the variety is resistant to complex of viral diseases
- improved resistance to common leaf spot
- outstanding performance in Swiss recommendation trials





## POLARKA

IDEAL FOR GREEN  
MANURE

## SEVERKA

ADAPTABLE EARLY  
VARIETY

## AGENT

### Lyra

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- mid early variety of population type
- mid length of stem (152 cm), profusely branching
- good yield of green and dry matter
- earliness and length of flowering are medium
- resistant to Phoma stem cancer and Alternaria leaf spot
- TGW highest among tested varieties, pods do not burst
- occurrence of grey and differently coloured grain is low
- medium-high oil content in seeds

### Andromeda

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- mid-early variety of antinematocide type
- good lodging resistance
- ideal as a cover crop before sugar beet or other crops
- very high yields 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 in grain
- suitable for food industry
- TGW is higher, on average 7.5 – 8 g, pods do not burst

### Aura

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- mid-early variety, suitable for grain production and for green manure
- medium tall plants
- good health
- yellow seed with high TGW - good for food industry
- low share of grey grains
- medium oil content

# SPRING FORAGE PEA



## Effecta

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- spring forage pea
- mid-late variety of traditional leaf type
- long stem, purple flower, purple-mottled seed
- stable yields of green and dry matter
- very high green matter yield
- very high dry matter yield
- low TSW, similar to Arvika

## Arvika

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

## Galaxy

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- spring forage pea
- mid-late variety, traditional leaf type
- long stem, purple flower, grey-green seed
- high yielding in the grain and forage
- very good disease resistance and improved lodging resistance
- low TSW (140 g), lower than Arvika

## Andrea

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- semi - late variety
- excellent protein content at the time of forage maturity
- suitable for warm areas
- rapid initial growth
- medium TSW

# WINTER WHEAT



# Julie<sup>E</sup>

## The top winter wheat of Central Europe

- early to mid-season variety
- very high yields in all growing regions
- excellent winter hardiness with very good frost resistance
- suitable for all growing regions
- longer stem with good lodging resistance
- high resistance to fusarium head blight (FHB)
- high TGW
- traded in Germany, CZE, Slovakia, Croatia, Serbia, Poland, Baltics, UKR

### QUALITY

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

# Butterfly<sup>E</sup>

- mid-late to late variety
  - stable yields in all growing regions in combination with excellent quality
  - tall plants with good resistance to lodging
  - high frost resistance and winter hardiness
  - medium resistance to FHB, septoria and yellow rust, high resistance to brown rust
  - successfully tested for sowing after maize and cereals
  - excellent results in organic farming
- ### QUALITY
- E baking quality
  - high specific volume
  - high Zeleny test
  - high and stable Hagberg Falling Number
  - high protein content





# Escort <sup>E</sup>

Registered 2025

- mid early awned variety
- suitable for intensive farming
- high yield of grain
- tall stems
- excellent resistance to lodging
- tolerant to late sowing terms
- suitable after cereals
- protection against leaf rust recommended
- excellent winter hardiness

## QUALITY

- E baking quality
- high protein content (up to 15 %)
- high specific weight
- high Zeleny test
- high Hagberg Falling Number



# Paganini <sup>E</sup>

- mid-early variety
- excellent grain yield
- longer stem with very good lodging resistance
- high resistance to powdery mildew and septoria
- balanced agronomy – 1x growth regulator, 1 – 2x fungicide
- very high TGW

## QUALITY

- E baking quality
- excellent overall quality profile



# Song <sup>E/EE</sup>

- Indian dwarf wheat (*Triticum sphaerococcum*) with round grain
- short plants with very good resistance to lodging
- good disease resistance
- QUALITY**
- premium E baking quality
- very high protein content
- very high gluten content
- very strong dough (alveograph W 524)
- excellent performance in long fermentation and high hydration (ciabatta)
- recommended for premium bakery products, especially puff pastry and croissants

# Virginia <sup>E</sup>

- late variety
- tall plants with very good lodging resistance
- higher tillering capacity
- suitable for organic farming
- very good health leaf and ear diseases
- excellent fusarium resistance
- high ground cover
- QUALITY**
- E baking quality
- high protein content
- high specific weight
- high gluten index
- high Zeleny test





## Skif <sup>A</sup>

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

### QUALITY

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

## Luxus <sup>A</sup>

- early to mid-early variety
- high yields in all growing areas
- very high winter hardiness and high frost resistance
- medium to long stem with medium lodging resistance
- high resistance to FHB
- high resistance to powdery mildew
- high and stable TGW
- medium to high resistance to viruses
- medium resistance to yellow rust

### QUALITY

- excellent E/A baking quality
- very high bread volume
- high and stable protein content 13,8 %
- high specific weight 812 g/l
- high Zeleny test 67 ml
- stable Hagberg Falling Number 353 s



## Beauty <sup>A</sup>

- mid-early awned variety
- lower tillering capacity, ear-type variety
- longer stem
- high resistance to abiotic spots and septoria
- high TGW

### QUALITY

- high specific weight
- high protein content
- high Zeleny text

## Inka <sup>B</sup>

- very early wheat
- bred from early varieties (Avenue\*Julie)
- early heading date and ripening
- short plants high with high resistance to lodging
- good health - high resistance to powdery mildew and leaf rust; medium to yellow rust and septoria

- medium level of frost resistance

### QUALITY

- B baking quality
- moderately high proteins
- medium level of specific weight
- high stability of Hagberg Falling Number

# Dynamite <sup>B</sup>

- early variety with tall plants
- very high yields in treated and untreated variants
- very high yields in corn, sugar beet, and potato-growing regions
- excellent frost resistance
- very good tillering
- suitable for lower seeding rates
- growth regulations recommended
- dihaploidization used in breeding process

## QUALITY

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

# Gangster <sup>B</sup>

- late variety with short stem
- very high lodging resistance
- suitable to warmer and dryer conditions
- lower TGW

## QUALITY

- B baking quality
- high baking parameters
- high protein content
- high and stable Hagberg Falling Number
- very high bread volume

# Kalbex <sup>C/K</sup>

- early variety
- outstanding yield in all growing regions
- high frost resistance (72 %)
- excellent health
- very high tillering capacity
- medium tall plants

## QUALITY

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



Name	Baking quality	Frost resistance	Heading	Lodging before harvesting	Plant height	TWG	Hagberg Falling Number
			days				
<b>JULIE</b>	E	very high	-2	lower	97	45	370
<b>BUTTERFLY</b>	E	very high	+4	medium	100	49	397
<b>ESCORT awned</b>	E	high	+2	high	96	43	402
<b>LUXUS</b>	A/E	very high	-2	medium	95	45	353
<b>VIRGINIA eco</b>	E	medium	+9	lower	107	41	368
<b>SONG sphere</b>	E/EE	very high	+2	high	84	41	420
<b>PAGANINI</b>	A	medium	-2	medium	100	48	380
<b>SKIF</b>	A	medium	+2	medium	89	42	367
<b>BEAUTY awned</b>	A	medium	+3	medium	104	47	319
<b>INKA</b>	B	medium	-6	high	81	43	337
<b>DYNAMITE</b>	B	high	-3	lower	104	43	360
<b>GANGSTER</b>	B	lower	+8	high	90	39	402
<b>KALBEX</b>	C/K	high	-2	medium	90	44	363

Protein content	Zeleny test	Specific weight	Mildew - leaf	Mildew - ear	Septoria tritici / DTR	Septoria nodorum	Brown rust	Yellow rust	Black rust	Fusarium head blight
%	ml	g.l <sup>-1</sup>								
13,6	56	816	lower	medium	medium	medium	medium	lower	high	high
14,8	68	803	medium	high	high	medium	medium	high	high	high
13,5	52	808	high	high	medium	medium	medium	medium	high	high
13,8	67	812	high	high	medium	medium	medium	medium	high	high
12,4	63	800	high		medium		medium	medium		high
25,4	68	829	medium		medium		high	high		medium
12,8	48	808	high	medium	medium	high	lower	high	medium	medium
12,8	47	800	high	high	high	medium	high	high	high	medium
13,3	65	813	medium	medium	high	medium	medium	medium	lower	medium
13,3	57	782	high	high	medium	medium	medium	medium	medium	high
12,7	45	780	high	high	medium	medium	medium	medium	medium	medium
12,9	48	796	medium	medium	medium	medium	medium	medium	medium	high
12,9	29	788	medium	high	medium	medium	medium	medium	medium	medium

# WINTER COMMON VETCH



## Dětenická Panonská

- high yielding variety in both cold and warm conditions
- high oil content 48,64 %
- early, long flowering
- mid-early variety
- high TSW – 5,23 g
- excellent health supported by gen Rlm 1 – genetic resistance to blackleg
- short plants with good lodging resistance
- suitable for early and common agrotechnical term
- optimal sowing rate: 0,6 – 0,7 million germinating seeds/ha
- rapid early growth

# Corzar

- top yielding variety with very high oil content (48.7 %)
- early and long flowering - good pollination even in rainy May
- short plants - 130 cm
- high resistance to lodging (8.0)
- GSL content very low (12.1  $\mu\text{mol/g}$ )
- TSW medium (4.61 g)
- good resistance to all important diseases
- without significant growing risks
- suitable for all growing areas
- sowing in both early and common agrotechnical term – no overgrowth
- optimal sowing rate 0.65 million germinating seeds/ha
- rapid spring growth

# Caroline

- mid early variety of outstanding phytosanitary status
- medium level of oil content
- high TSW - around 5 g
- free of erucic acid, low contain of glucosinolates
- short and strongly branching plants: height 138 cm = speed and easy harvest
- early and long flowering = excellent pollination even in variable weather
- semi-early harvest
- good resistance to high-risk diseases

# Salute

- high yielding variety in both cold and warm conditions
- high oil content 48,64 %
- early, long flowering
- mid-early variety
- high TSW – 5,23 g
- excellent health supported by gen Rlm 1 – genetic resistance to blackleg
- short plants with good lodging resistance
- suitable for early and common agrotechnical term
- optimal sowing rate: 0,6 – 0,7 million germinating seeds/ha
- rapid early growth





## 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 crude protein in all areas
- plant length 160 – 180 cm
- excellent frost resistance and winter hardiness even in adverse conditions, ideal for founding winter mixtures of 75 kg w. triticale + 75 kg Arkta cushions
- highly valued as a pre-crop
- low TSW
- commercially extremely successful on Western markets

## Frostica

- very good winter hardiness
- source of early spring forage
- improved resistance
- lodging resistance on very good level
- very small grain with low TSW (100 to 120 g), lower than the Arkta variety
- seed production similar to the Arkta variety
- variety observed in the tests of legume mixtures



# Kardinal

- the king of incarnatums in Europe
- annual wintering clover
- use in pure culture or as a component of early winter mixtures (Landsberg mixture) in a continuous strip of green feed
- very good winter hardiness and rapid spring growth
- excellent pre-crop
- used to improve the fertility of light sandy soils
- quality green fertilization (especially for root crops)
- popular among seed producers and traders



# Signal

Combination of high yields of forage mass and seed yield

- mid-late variety
- rapid spring growth
- improved resistance to fusarium root rot
- excellent winter hardiness
- outstanding combination of green mass and grain yields
- medium to higher TGW

# Redhead

- early variety
- excellent frost resistance
- rapid spring growth
- longer stalk
- high resistance to root rot diseases and mildew
- good lodging resistance
- high yield of green mass and very high yield of dry mass
- high yield of rough protein
- easy and reliable harvesting





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