

Dartiest

- Low nitrogen requirement
- High starch yields
- Excellent for long storage with few storage losses



Characteristics

Variety	Dartiest
Maturity	Late
Tuber – Shape	Round
Tuber – Flesh colour	Light yellow
Tuber – Skin colour	Yellow
Yield	Good to very good
Destination	Starch processing
Blight – Foliage	5,5
Blight – Tuber	7
Common scab	6
Leaf roll	7
A - Virus	7
X - Virus	7
Yn - Virus	8
Drought	8
Nematode – Ro 1,4	9 / rs 0 %
Nematode – Ro 2,3	9*/ rs – %
Nematode – Pa 2	5 / rs 11,8 %
Nematode – Pa 3	6 / rs 8,6 %
Nematode tolerance	-
Wart disease - Fysio 1	Resistant
Wart disease - Race 2/6	Resistant
Wart disease - Race 18	Resistant
Fertilization Advice N	150-180 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	190-220 kg/ha
Planting distance (35/55 mm)	31 - 34 cm

*own preliminary research

Havenweg 14, 1771 RW Wieringerwerf, The Netherlands
 info@royalzap.nl | www.royalzap.nl | + 31 (0) 223 531 436

Saprodi

- Also easy to grub up at an early stage
- High starch production, low sugar content
- Flake-suitable

By using the active substance "Bentazon" crop damage can occur.



Characteristics

Variety	Saprodi
Maturity	Medium late
Tuber – Shape	Oval
Tuber – Flesh colour	Light yellow
Tuber – Skin colour	Yellow
Yield	Very good
Destination	Starch / Flakes
Blight – Foliage	6
Blight – Tuber	7
Common scab	7
Leaf roll	7
A - Virus	7
X - Virus	7,5
Yn - Virus	7,5
Drought	7
Nematode – Ro 1,4	9 / rs 0,0 %
Nematode – Ro 2,3	9 / rs 0,2 %
Nematode – Pa 2	9 / rs 0,2 %
Nematode – Pa 3	9 / rs 0,1 %
Nematode tolerance	8
Wart disease - Fysio 1	Resistant
Wart disease - Race 2/6	Resistant
Wart disease - Race 18	Resistant
Fertilization Advice N	160-200 kg/ha (incl. soil stock) <small>N administration as a shared gift is preferred. The administration of the trace elements Boron and Calcium is highly recommended.</small>
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	200-240 kg/ha
Planting distance (35/55 mm)	32 - 35 cm

Havenweg 14, 1771 RW Wieringerwerf, The Netherlands
info@royalzap.nl | www.royalzap.nl | + 31 (0) 223 531 436

Sarion

- Sarion has a lower nitrogen requirement
- High Phytophthora resistance
- High starch content



Characteristics

Variety	Sarion
Maturity	Late
Tuber – Shape	Round
Tuber – Flesh colour	Light yellow
Tuber – Skin colour	Yellow
Yield	High
Destination	Starch processing
Blight – Foliage	8,5
Blight – Tuber	7
Common scab	6,5
Leaf roll	7
A - Virus	7
X - Virus	8
Yn - Virus	8
Drought	8,5
Nematode – Ro 1,4	9 / rs 0,0 %
Nematode – Ro 2,3	9 / rs 0,0 %
Nematode – Pa 2	9 / rs 0,0 %
Nematode – Pa 3	9 / rs 0,0 %
Nematode tolerance	6,5
Wart disease - Fysio 1	Resistant
Wart disease - Race 2/6	8
Wart disease - Race 18	Resistant
Fertilization Advice N	140-180 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	250-280 kg/ha
Planting distance (35/55 mm)	30 - 33 cm

Scala

- Good Nematode resistances
- Good tuber resistance Phytophthora
- High starch content



Characteristics

Variety	Scala
Maturity	Late
Tuber – Shape	Round
Tuber – Flesh colour	Cream
Tuber – Skin colour	Yellow
Yield	High
Destination	Starch processing
Blight – Foliage	7
Blight – Tuber	8
Common scab	6
Leaf roll	7
A - Virus	6
X - Virus	6
Yn - Virus	7
Drought	6
Nematode – Ro 1,4	9 / rs 0,0 %
Nematode – Ro 2,3	9 / rs 0,0 %
Nematode – Pa 2	9 / rs 0,0 %
Nematode – Pa 3	9 / rs 0,01 %
Nematode tolerance	-
Wart disease - Fysio 1	Resistant
Wart disease - Race 2/6	Resistant
Wart disease - Race 18	9
Fertilization Advice N	140-180 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	200-240 kg/ha
Planting distance (35/55 mm)	31 - 35 cm

Senata

- Good AM resistance
- Smooth initial development
- Ideal for early delivery



Characteristics

Variety	Senata
Maturity	Medium late
Tuber – Shape	Round
Tuber – Flesh colour	White
Tuber – Skin colour	Yellow
Yield	-
Destination	Starch processing
Blight – Foliage	7
Blight – Tuber	6
Common scab	6
Leaf roll	7
A - Virus	7
X - Virus	7
Yn - Virus	7
Drought	-
Nematode – Ro 1,4	9 / rs 0 %
Nematode – Ro 2,3	9 / rs 0 %
Nematode – Pa 2	9 / rs 0,4 %
Nematode – Pa 3	9 / rs 0,9%
Nematode tolerance	-
Wart disease - Fysio 1	Resistant*
Wart disease - Race 2/6	9*
Wart disease - Race 18	8*
Fertilization Advice N	140-180 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	200-240 kg/ha
Planting distance (35/55 mm)	30 - 33 cm

**Note: these figures are based on one year of research!*

Havenweg 14, 1771 RW Wieringerwerf, The Netherlands
 info@royalzap.nl | www.royalzap.nl | + 31 (0) 223 531 436

Serum Star

- Good storability
- Regular and high tuber setting
- Suitable for all soil types



Characteristics

Variety	Serum Star
Maturity	Late
Tuber – Shape	Round
Tuber – Flesh colour	White
Tuber – Skin colour	Yellow
Yield	Very good
Destination	Starch processing
Blight – Foliage	6
Blight – Tuber	6
Common scab	8
Leaf roll	7,5
A - Virus	6
X - Virus	6
Yn - Virus	7
Drought	8
Nematode – Ro 1,4	9 / rs 0,0 %
Nematode – Ro 2,3	9 / rs 0,2 %
Nematode – Pa 2	9 / rs 0,2 %
Nematode – Pa 3	7 / rs 3,0 %
Nematode tolerance	-
Wart disease - Fysio 1	Resistant
Wart disease - Race 2/6	Resistant
Wart disease - Race 18	9
Fertilization Advice N	140-180 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	180-220 kg/ha
Planting distance (35/55 mm)	33 - 36 cm

Simphony

- Excellent storability with few storage losses
- Stable yield over the years
- Very good phytophthora resistance



Characteristics

Variety	Simphony
Maturity	Late
Tuber – Shape	Round / oval
Tuber – Flesh colour	Light yellow
Tuber – Skin colour	Yellow
Yield	Very good
Destination	Starch processing
Blight – Foliage	8,5
Blight – Tuber	8
Common scab	8
Leaf roll	7
A - Virus	7
X - Virus	7,5
Yn - Virus	7
Drought	6
Nematode – Ro 1,4	9 / rs 0,5 %
Nematode – Ro 2,3	8 / rs 2,5 %
Nematode – Pa 2	9 / rs 0,1 %
Nematode – Pa 3	9 / rs 0,2 %
Nematode tolerance	7,5
Wart disease - Fysio 1	Resistant
Wart disease - Race 2/6	Resistant
Wart disease - Race 18	8
Fertilization Advice N	160-200 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	250-270 kg/ha
Planting distance (35/55 mm)	29 - 32 cm

Smaragd

- Intended for the early industry supply
- Very suitable for the lighter soils
- Good drought tolerance



Characteristics

Variety	Smaragd
Maturity	Medium early
Tuber – Shape	Round / oval
Tuber – Flesh colour	Light yellow
Tuber – Skin colour	Yellow
Yield	Good
Destination	Starch processing
Blight – Foliage	8
Blight – Tuber	7
Common scab	7
Leaf roll	7
A - Virus	7
X - Virus	8
Yn - Virus	8
Drought	8
Nematode – Ro 1,4	9 / rs 0,1 %
Nematode – Ro 2,3	9 / rs 0 %
Nematode – Pa 2	9 / rs 0,2 %
Nematode – Pa 3	6 / rs 6,9 %
Nematode tolerance	Unknown
Wart disease - Fysio 1	Resistant
Wart disease - Race 2/6	9
Wart disease - Race 18	9
Fertilization Advice N	160-200 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	180-230 kg/ha
Planting distance (35/55 mm)	29 - 32 cm

Sofista

- Reliable
- Good drought resistance
- Off-country delivery from September



Characteristics

Variety	Sofista
Maturity	Medium late
Tuber – Shape	Round / oval
Tuber – Flesh colour	Light yellow
Tuber – Skin colour	Yellow
Yield	Very good
Destination	Starch processing
Blight – Foliage	6
Blight – Tuber	7
Common scab	7
Leaf roll	7
A - Virus	7
X - Virus	8,5
Yn - Virus	7,5
Drought	8
Nematode – Ro 1,4	8 / rs 1,4 %
Nematode – Ro 2,3	9 / rs 0,1 %
Nematode – Pa 2	9 / rs 0,1 %
Nematode – Pa 3	8 / rs 1,6 %
Nematode tolerance	Unknown
Wart disease - Fysio 1	Susceptible
Wart disease - Race 2/6	9
Wart disease - Race 18	7
Fertilization Advice N	150-170 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	180-230 kg/ha
Planting distance (35/55 mm)	29 - 32 cm

Supporter

- Good dormancy
- High starch content



Characteristics

Variety	Supporter
Maturity	Late
Tuber – Shape	Round
Tuber – Flesh colour	Cream
Tuber – Skin colour	Yellow
Yield	Very good
Destination	Starch processing
Blight – Foliage	6
Blight – Tuber	6,5
Common scab	5
Leaf roll	7
A - Virus	7
X - Virus	7
Yn - Virus	7
Drought	8
Nematode – Ro 1,4	9 / rs 0,0 %
Nematode – Ro 2,3	9 / rs 0,0 %
Nematode – Pa 2	9 / rs 0,0 %
Nematode – Pa 3	9 / rs 0,1 %
Nematode tolerance	8
Wart disease - Fysio 1	Resistant
Wart disease - Race 2/6	8
Wart disease - Race 18	Resistant
Fertilization Advice N	160-200 kg/ha (incl. soil stock)
Fertilization Advice P	Based on soil analysis
Fertilization Advice K	200-240 kg/ha
Planting distance (35/55 mm)	29 - 32 cm