

King Russet

french fries variety



- * White flesh
- * Very good storable and excellent quality
- * High dry matter content on all soils
- * Highest level of resistance to *G. rostochiensis* and *G. Pallida*
- * Good tolerance to internal defects



DEN HARTIGH

Characteristics

	King Russet
PHYSIOLOGY	
Skin colour	Brown
Flesh colour	White
Tuber shape	Longoval
Tuber shape uniformity	7
% 50+	87%
Tubers per plant	9,2
Eye depth	8
Maturity	6,2
Dormancy	8
Storability	7

YIELD - QUALITY

Relative yield	97
Dry matter content (UWW)	22,8 (423)
Cooking type	BC
After cooking discoloration	6
Frying colour after harvest	8
Frying colour after storage	8

RESISTANCES

Foliage blight	6,1
Tuber blight	9,0
Common scab	7,4
Powdery scab	8
Globodera Ro 1 (A)	9
Globodera Ro 23 (BC)	9
Globodera Pa 2 (D)	9
Globodera Pa 3 (E)	9
Wart disease f1 (D1)	10
Wart disease f2 (G1)	6
Wart disease f6 (O1)	8
Wart disease f18 (T1)	6
Spraing (TRV)	7,2
Virus Y	6

OTHER NON-PARASITIC RESISTANCES

Bruising index (0-50)	9
Mechanical damage	7
Hollow hearts	8
Internal rust spot	

Growing advice

SEED QUANTITIES - PLANTING DISTANCES (cm) - FERTILIZING

Size	kg/ha	75 cm ridge	Fertilizer	Quantity Average varieties = 100	Application		
					1st	2nd	3rd
28/35 mm	1.500	22-24	N	120	2/4	1/4	1/4
35/45 mm	2.700	29-31	P ₂ O ₅	100	4/4		
45/50 mm	3.900	32-34	K ₂ O	110	4/4		
35/50 mm	3.000	30-32					
50/60 mm cut	3.200	30-32					

Do always count the tubers!

ATTENTION POINTS

- * KING RUSSET has long dormancy. Do not store seed < 5°C.
- * **Warm up the seed enough, remove top sprout, planting in white point stage.**
- * KING RUSSET is suitable for all soils.
- * **Always preventive soil/tuber treatment against Rhizoctonia.**
- * **Planting depth 0-2 cm below surface.**
- * **Narrow planting (King Russet has low tubernumber per plant)**
- * Boron (Bo) gift can be done same time as spraying against weed.
- * Start Phytophthora spraying when 80% of plants has emerged.
- * Good drought tolerance.
- * **When disease pressure (late blight) is low, maintain strict scheme**
- * **Second gift K-fertilizer (50-100 kg K₂O) at tuberization (not later)**
- * Start irrigation when necessary
- * **Second gift N-fertilizer (75 kg N)**
- * Magnesium (MgSO₄) via leaf fertilizer
- * From August on use Phytophthora pesticides in which **tuber blight** control is included.
- * Haulm killing only when crop has ripened enough; check underwaterweight.
- * Do not harvest at high soil temperature
- * Be careful at harvest; prevent mechanical damage
- * **Do not use Gro Stop**
- * First time gas after 2 weeks at 7,5°C; when product temperature > 12°C second treatment sooner than planned according to product instruction.
- * Repeat treatment every 5 weeks (good dormancy)