

KWS BECKIE

Danish Preferred system

KWS Food Feed Otto Koeneke 29-01-2018

SEEDING
THE FUTURE
SINCE 1856



KWS BECKIE



New and high yielding malting barley

- New malting barley, Berliner Program candidate
- High yielding potential
- Good kernel quality and screening
- Strong straw
- Strong resistance package
- Cross: KWS Irina x KWS Alicia x Sanette

KWS Beckie is a new malting barley variety with high yielding potential and good agronomy. The variety is topping the BSA trials in Germany and a Berliner program candidate as well.

The agronomy package is very strong and includes a stiff straw and a good overall resistance to the most common leaf diseases, also including Mlo. KWS Beckie ripens early.

KWS BECKIE	
Yield , relative (Farmers union trials)	
All Denmark (2017)	101
All Denmark (2015-17)	101
Disease resistance, score -1 to 3 (obs plots)	
Mildew	-1
Barley rust	3
Scald	1
Net & Spot blotch	1
Nematode resistant	No
Agronomy (obs)	
Lodging, score 0-10	0,0
Ear breaking, score 0-10	4,0
Straw breaking, score 0-10	4,0
Straw length, cm	55
Ripening date	3/8
Quality (Farmers union trials)	
Grading, % > 95 mm	97
HL-weight, kg/hl	64,3
Protein, %	11,3

Source: www.sortinfo.dk

Denmark 2017: Trials and market shares 2017



	LSV Dänemark		Saatvermehrung DK 2017			Qual.system "Danish Preferred"
	2017	mehrfährig	(ha)	(%)	Rang	
RGT Planet	103	104	6141	25%	1	
KWS Irina	99	101	5119	21%	2	als Standardsorte (DLG)
Evergreen	99	100	3956	16%	3	
Laurikka	97	102	2463	10%	4	
Flair	102	102	2394	10%	5	
Crossway	99	100	1175	5%	6	
Laureate	105	105	609	2%	7	
KWS Cantton	100	101	575	2%	8	angemeldet (Nielsen & Smith)
Odyssey	96	99	360	2%	9	
KWS Beckie	101	101	234	1%	10	angemeldet (DLA)
Charles	98	98	196	1%	11	
KWS Fantex	101	99	185	1%	12	angemeldet (Nielsen & Smith)
Dragoon	105	103	182	1%	13	
Embrace	105	104	155	1%	14	
Cosmopolitan	103	103	126	1%	15	

KWS Cantton/KWS Fantex/KWS Beckie : KWS internal micromalting results (VLB Berlin, crop 2015)



	Erntejahr	Extrakt, VZ65 [% TrS]	Viskosität VZ 65°C (8,6 %) [mPas*s]	Eiweißgehalt [% TrS]	löslicher Stickstoff VZ65 [mg/100 g TrS]	Eiweißlösungsgrad VZ65 [%]	FAN VZ65 [mg/l]	Trübung VZ65 EBC	sch. Endvergärung VZ65 [%]	Mürbigkeit [%]	Beta-Glucan (FlAVZ 65°C) [mg/l]	Alpha-Amylase Aktivität [DU/g TrS]	Beta-Amylase Aktivität [BU/g TrS]	Extract corrected to 10,5 Protein	Fria corrected to 10,5% protein
KWS Irina	2015	80,2	1,47	11,2	1058	59,0	174	2,1	87,8	86	131	51	951	80,7	89
Quench	2015	81,1	1,49	11,6	799	43,0	162	2,4	86,7	90	93	54	1038	81,8	94
Sebastian	2015	80,6	1,53	11,4	736	40,0	167	2,0	86,4	81	135	69	1156	81,2	85
RGT Planet	2015	81,7	1,47	10,5	738	44,0	163	3,7	85,9	90	73	57	702	81,7	90
Conchita	2015	81,8	1,48	10,6	652	38,0	158	2,1	87,7	90	162	67	844	81,9	90
KWS CANTTON	2015	82,5	1,46	9,8	699	45,0	145	2,5	89,0	95	71	57	710	82,0	92
KWS FANTEX	2015	82,5	1,44	9,4	686	46,0	146	2,0	88,0	95	68	58	770	81,8	91
KWS BECKIE	2015	82,8	1,46	10,2	695	43,0	155	2,7	86,2	95	95	51	824	82,6	94

KWS Beckie : Official trials Germany 2015-2017

(VLB Berlin, 23 sites)



internes Ergebnis																			
MW 2015-2017	Sortierung 2,8mm	Prot %	Extrakt %	Kolbach	Friability	Viscosity	Final atten.	Alpha Amylase	Beta Amylase	FAN	Beta- Glucan								
Sorte	n =	23	23	23	23	23	23	23	23	23	23								
QUENCH	68,1	10,7	82,2	43,2	86,4	1,53	86,2	58,0	985,3	139	353								
AVALON	81,3	10,7	82,3	44,4	94,7	1,47	85,6	79,0	1215,4	143	138								
RGT PLAN	75,0	10,2	82,9	43,9	87,9	1,51	86,6	64,7	980,6	134	300								
MARTHE	69,5	11,4	81,3	40,1	85,1	1,56	85,5	76,2	1234,9	136	472								
	KWS Beckie	10,2	82,7	40,8	87,4	1,52	85,6	49,1	997,4	133	406								