

HGCA Recommended List[®] Spring barley 2015

Spring barley varieties grown in RL trials in 2014
but not added to the HGCA Recommended List

	Control varieties					Other varieties							
	Propino	Odyssey	Quench	Concerto	NFC Tipple	Dragoon	Piper	Amalika	Milford	Pathfinder	RGT Conquest	Invictus	Average LSD (5%)
Fungicide-treated grain yield as % treated control													
United Kingdom (7.1 t/ha)	102	102	101	97	97	109	105	105	104	104	103	103	2.6
East region (7.1 t/ha)	101	103	101	99	96	[107]	[104]	[106]	[107]	[103]	[105]	[102]	3.3
West region (7.5 t/ha)	102	101	101	98	97	109	106	102	104	105	102	[102]	3.0
North region (6.8 t/ha)	103	102	101	96	98	110	105	107	102	103	102	105	2.3
Untreated grain yield (as % treated control)													
United Kingdom (7.1 t/ha)	90	89	88	86	84	97	93	90	93	91	91	90	3.1
Grain quality													
Specific weight (kg/hl)	67.9	68.2	68.4	68.8	68.5	65.4	67.3	64.9	67.5	68.6	69.6	67.6	0.8
Screenings % through 2.25 mm	1.2	1.4	1.9	1.3	1.8	1.9	1.6	3.1	2.0	1.8	1.8	-	0.4
Screenings % through 2.5 mm	2.4	3.6	4.9	2.8	4.4	5.4	4.0	10.3	6.2	4.4	4.5	-	1.3
Nitrogen content (%)	1.51	1.44	1.49	1.47	1.46	[1.43]	1.47	[1.44]	[1.57]	[1.53]	1.43	[1.48]	0.06
Agronomic features													
Resistance to lodging	7	6	7	6	7	7	8	6	7	7	7	7	0.5
Straw height (cm)	77	75	72	78	70	72	72	71	70	71	80	76	1.6
Ripening (+/- Optic, -ve = earlier)	+1	+2	+1	+2	0	+1	+1	-1	+1	+1	+2	0	0.8
Resistance to brackling	8	8	8	8	8	8	9	6	9	8	8	5	0.9
Disease resistance													
Mildew	6	9	8	9	6	[9]	[9]	[9]	[8]	[9]	[9]	[9]	1.0
Yellow rust	4	7	5	7	5	[7]	[2]	[7]	[2]	[7]	[7]	[7]	1.9
Brown rust	5	4	4	6	6	6	4	5	6	4	5	6	1.8
Rhynchosporium	6	6	6	4	4	5	6	4	5	8	6	7	1.1
Ramularia	6	6	6	6	4	[5]	[4]	[6]	[5]	[5]	[5]	[4]	3.1

This table should be read in conjunction with the HGCA Recommended List of Spring Barley for 2015

[] = limited data

LSD = least significant difference

Average LSD (5%): varieties that are more than one LSD apart are significantly different at the 5% confidence level

® = "HGCA RECOMMENDED LIST" is a registered trademark of the Agriculture and Horticulture Development Board