

## SPRING BARLEY 2003

### Varieties grown in trials in 2002 but not listed on the 2003 HGCA Recommended List

	C	C	C	C	C	*	*	*	*	*	*	*	*	*	*	Average LSD (5%)
	Cellar	Optic	Chalice	Static	Riviera	Sebastian	Vortex	Class	Novello	Global	Colston	Barke	County	Tavern	Pewter	
	RL controls					RL candidates						Ex UK RL				
UK Treated yield as % control (6.8 t/ha)	101	99	99	102	99	104	104	101	100	100	99	93	103	102	100	3.0
<b>Grain quality</b>																
Specific weight (kg/hl)	68.6	69.3	67.8	67.7	70.3	67.9	68.8	68.5	68.8	68.5	68.0	68.6	68.7	68.5	68.2	0.6
Sieving % through 2.25 mm	2	3	3	2	2	1	2	1	1	1	1	3	2	2	2	0.8
Sieving % through 2.5 mm	6	9	8	7	6	4	5	4	4	5	6	9	7	6	5	2.0
Nitrogen content (%)	1.6	1.5	1.6	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	0.04
<b>Grain yield as % treated control</b>																
UK with fungicide (6.8 t/ha)	101	99	99	102	99	104	104	101	100	100	99	93	103	102	100	3.0
North East region with fungicide (6.7 t/ha)	100	101	100	101	98	105	103	101	101	104	100	96	102	101	99	3.0
North West region with fungicide (6.8 t/ha)	100	98	100	102	99	104	102	101	96	100	97	92	102	98	98	4.4
Dry (East) region with fungicide (7.2 t/ha)	102	98	98	102	99	104	106	103	102	99	100	93	104	104	102	3.4
Wet (West) Region with fungicide (6.4 t/ha)	100	99	98	103	100	104	106	103	101	96	100	89	105	105	102	4.3
UK without fungicide	85	78	79	89	84	84	90	87	86	86	88	80	92	88	87	5.1
<b>Agronomic features</b>																
Resistance to lodging	8	8	8	8	8	9	7	9	8	8	8	7	8	9	9	2.6
Straw height (cm)	70	76	71	75	82	68	76	71	78	78	76	78	72	67	69	2.1
Ripening (+/- Optic, -ve = earlier)	-1	0	-2	-1	-2	+1	0	-1	+1	-1	-1	-1	0	0	-1	0.7
Resistance to brackling	5	5	6	7	8	8	7	8	7	7	6	6	8	8	7	
<b>Disease resistance</b>																
Mildew	9	7	9	9	9	6	9	9	9	9	9	9	8	7	9	0.4
Yellow rust	4	8	8	5	6	6	4	6	5	8	9	3	5	5	6	1.9
Brown rust	8	7	5	8	5	9	9	7	7	8	7	(7)	9	9	5	(2.0)
<i>Rhynchosporium</i>	5	4	5	5	5	5	5	5	7	5	7	4	6	6	7	(1.0)
BYDV	7	7	7	8	5	(6)	(8)	(8)	(8)	(5)	(8)	(4)	8	8	8	(2.2)

This table should be read in conjunction with the 2003 HGCA Recommended List