

2006 & 2007 Wheat and Barley Harvest - Badry

Species	VARIETY	2006		2007		Average		% of check
		Yield (bu/acre)	Weight (lbs/bu)	Yield (bu/acre)	Weight (lbs/bu)	Yield (bu/acre)	Weight (lbs/bu)	
Barley	Manny	59	45	86	47	72	46	120
	Ponoka	60	49	85	48	72	48	120
	AC Lacombe	57	46	63	45	60	46	100
	Helgasen	49	46	54	49	51	47	85
	Xena	47	52	46	50	46	51	77
	AC Metcalf	NG	NG	65	49	NA	NA	
	Mean	54	47	66	48	60	48	
	CV	21		25		20		
	LSD	NSD*		11		8		
Wheat	CDC Alsask	22	58	31	57	26	58	103
	Peace	21	59	30	52	25	55	100
	AC Intrepid	20	58	30	57	25	57	98
	Alikat	20	58	27	57	23	57	91
	AC Crystal	12	57	28	53	20	55	77
	5700PR	21	60	NG	NG	NA	NA	
	AC Superb	23	60	NG	NG	NA	NA	
	AC Taber	NG	NG	32	53	NA	NA	
	Infinity	NG	NG	38	55	NA	NA	
	Mean	20	58	31	55	24	57	
CV	45		15		19			
LSD	NSD*		3		NSD*			

NG = not grown

NA = not available

CV = Coefficient of Variation

LSD = Least significant difference

NSD* = F tests indicate that there were no significant differences between variety yields at alpha = 0.05.

Statistical tests were performed on yields. Variety yields greater than the check variety yield plus the least-significant-difference (LSD) are reported as outperforming the check varieties in the summary.

When the LSD value is labelled "NSD", all yield differences are not considered significant and no variety is reported as outperforming the check variety

AC Lacombe and Peace were used as check varieties.

2006 & 2007 Wheat and Barley Harvest - Halltray

Species	VARIETY	2006		2007		Average		% of check
		Yield (bu/acre)	Weight (lbs/bu)	Yield (bu/acre)	Weight (lbs/bu)	Yield (bu/acre)	Weight (lbs/bu)	
Barley	Ponoka	23	52	113	49	68	50	126
	Xena	20	49	114	50	67	50	124
	Manny	18	44	109	47	63	46	118
	Helgasen	12	48	101	51	57	50	105
	AC Lacombe	19	44	89	46	54	45	100
	AC Metcalf	NG	NG	93	50	NA	NA	
	Mean	18	48	103	49	62	48	
	CV	70		21		22		
	LSD	NSD*		17		NSD*		
Wheat	AC Crystal	28	61	101	59	64	60	145
	AC Intrepid	34	62	73	59	53	60	120
	CDC Alsask	35	62	70	60	52	61	118
	Alikat	26	62	66	59	46	60	104
	Peace	25	63	64	58	44	60	100
	5700PR	32	63	NG	NG	NA	NA	
	AC Superb	28	63	NG	NG	NA	NA	
	AC Taber	NG	NG	95	59	NA	NA	
	Infinity	NG	NG	78	60	NA	NA	
	Mean	30		78	59	52	61	
	CV	34		26		23		
	LSD	NSD*		15		8		

Three single plots of Canola were grown in 2007:

Variety	Yield (bu/acre)
Reward	50
Café	57
Invigor 5020	96

Reward was the only variety that ripened; the others were green and not harvestable under normal field conditions

KEY:

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2006 & 2007 Wheat and Barley Harvest - Hatfield

Species	VARIETY	2006		2007		Average		% of check
		Yield (bu/acre)	Weight (lbs/bu)	Yield (bu/acre)	Weight (lbs/bu)	Yield (bu/acre)	Weight (lbs/bu)	
Barley	Ponoka	112	48	118	48	115	48	120
	Manny	116	46	114	45	115	45	119
	Xena	97	48	111	50	104	49	108
	AC Lacombe	94	45	98	46	96	45	100
	Helgasen	81	49	85	51	83	50	86
	AC Metcalf	NG	NG	87	50	NA	NA	
	Mean	100	47	102	48	103	48	
	CV	17		19		14		
	LSD	20		18		7		
Wheat	CDC Alsask	43	57	59	57	51	57	114
	AC Intrepid	32	56	58	58	45	57	102
	Peace	36	54	53	57	44	55	100
	AC Crystal	25	54	64	53	44	53	99
	Alikat	28	56	56	58	42	57	94
	5700PR	33	56	NG	NG	NA	NA	
	AC Superb	40	55	NG	NG	NA	NA	
	AC Taber	NG	NG	52	53	NA	NA	
	Infinity	NG	NG	67	58	NA	NA	
	Mean	34	55	58	56	45	56	
	CV	30		14		14		
	LSD	10		NSD*		4		

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