CHITTING TRIAL YIELD DIG (18 AUGUST)

	Tubers/plant	>90mm length		Yield			Yield (% of chitted)		Dry matter	
		45mm	50mm	Total (t/ha)	>45mm (t/ha)	>50mm (t/ha)	Total	>45mm	%	tonnes of DM/ha
Dell Yorks unchitted	20.2	46%	89%	42	26	12			21.8	9.18
Dell Yorks chitted	10.3	71%	89%	49	46	42	116%	179%	22	10.71
Dell Daw unchitted	19.6	32%	83%	40	25	13			21.6	8.59
Dell Daw chitted	13.8	58%	89%	44	38	30	111%	148%	21.7	9.59
Markies chitted	9.8	44%	54%	45	43	39			19.7	8.96
Markies chitted	11.8	38%	48%	50	47	41	110%	109%	21.2	10.64

In the early dig, all crops grown from chitted seed had lower tuber numbers, but higher total yield and a higher proportion in the desirable >45mm and >50mm size fractions.

There was also a greater number of longer tubers (>90mm) where Pentland Dell seed had been chitted, which is another key quality parameter for McCain. The same trend wasn't seen in the Markies.

CHITTING TRIAL YIELD DIG (19 SEPTEMBER)

	Tubers/plant	>90mm length		Yield			Yield (% of chitted)	
		45mm	50mm	Total (t/ha)	>45mm (t/ha)	>50mm (t/ha)	Total	>45mm
Dell Yorks unchitted	18	36%	85%	52	41	24		
Dell Yorks chitted	13.8	53%	89%	73	71	66	142%	173%
Dell Daw unchitted	17.7	36%	80%	73	65	56		
Dell Daw chitted	16	58%	86%	70	67	62	97%	111%
Markies chitted	11.5			67	64	62		
Markies chitted	8			75	74	73	112%	119%