



8.

(a)	Set up more than one field for each variety/ Repeat the (whole) investigation/ Use more potatoes/plants in each field	1	If 'both varieties' are mentioned, it must be clear that each variety is grown in a separate field  Not acceptable - repeat it/ repeat the experiment
(b)	175	1	
(c)	Number of potatoes/plants; Spacing between potatoes/plants; pH of soil; Nutrient content of soil; Moisture content of soil; Fertility of soil; Type of soil	1	Not acceptable- Amount of potatoes Temperature Humidity Light intensity Rainfall CO <sub>2</sub> concentration Area/size of field
(d)	Pesticides/insecticides/predator/ biological control/crop rotation	1	

9.

(a)	(i)	When predators are present (the number of red spider) mites decrease / there are more (red spider) mites when there is no predator  OR  converse	1	Additional correct information would not negate.
	(ii)	To allow it to be compared to the one with the predator/to compare the number of (red spider) mites with and without the predator/to show any difference is due to the predator	1	Not acceptable: for comparison.
(b)		<u>Biological control</u>	1	Additional words negate.

10.

(a)	(i)	Both scale and axis label completed correctly (1)  Points plotted correctly and joined (1)	2	At least half of the grid must be used.  Do not penalise for extrapolation all the way to 35°C.
	(ii)	1300	1	